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Engineering & Environmental Services

A Report Prepared for:

Sobrato Development Companies
10600 North De Anza Boulevard
Cupertino, California 95014

Attention: Mr. Tim Steele

PHASE II INVESTIGATION
280-ACRE PEERY/ARRILLAGA SITE
END OF STEVENSON BOULEVARD
NEWARK, CALIFORNIA

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1.0 INTRODUCTION

This report presents the results of a Phase II Investigation for the property located at the end of Stevenson Boulevard in Newark, California (the subject property or site) (Plate 1). The site consists of two parcels totaling approximately 280 acres. PES Environmental, Inc. (PES) was retained by Sobrato Development Companies (Sobrato) to perform this Phase II Investigation. PES understands that Sobrato in conjunction with Peery/Arrillaga, the owner of the property, are evaluating redevelopment of the property.

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, at which time row crops were cultivated. No information is available concerning historical pesticide and/or herbicide use during row crop cultivation, although numerous pesticides were known to be in use during the 1950s. The site has been reportedly dry-farmed for at least the last 30 years without pesticide use, although the pesticide 2,4-D was reportedly used one year;

- Minor staining on soil was observed in the barn area; and

- The subject property is located adjacent to a landfill owned by Waste Management Inc. and operated as Tri Cities Recycling and Disposal Facility at which tetrahydofuran (THF) has been detected in groundwater at low concentrations. There is no evidence that the THF or other contaminants have migrated onto the subject property. There is a drainage channel between the landfill and the subject property and perimeter leachate collection system that are expected to prevent migration of contaminants from the landfill onto the subject property. The landfill is planned to be closed in 2007.

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 a soil investigation to evaluate the potential affects of historical site activities in the areas that were farmed and are proposed for redevelopment.

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[1] PES Environmental, Inc., 2006. *DRAFT Phase I Environmental Site Assessment, 280-Acre Perry/Arrillaga Site, End Of Stevenson Boulevard, Newark, California*. July 21.

Additionally, in the Phase I ESA, PES made recommendations with regard to the potential for asbestos and lead and other hazardous materials in, or around, the onsite structure and the presence of water supply wells and a septic system on the property. These items will be addressed separately at the time of site redevelopment.

3.0 PHASE II INVESTIGATION PROCEDURES

In accordance with the Phase I ESA recommendations, PES performed a Phase II investigation at the site consisting of soil sampling and analysis.

Prior to initiation of field activities, a site-specific Health and Safety Plan was prepared and soil sample location coordinates were pre-determined. According to Sobrato staff, portions of the subject property will not be developed because they are or will be classified as wetlands. As such, approximately 140 of the 280 acres were sampled. Sample locations were selected based on a preliminary map of wetlands areas provided by Sobrato, and aerial photo review of the site. Using a Garmin Etrex Vista GPS unit, PES located sample points using latitude and longitude coordinates, within the obtainable accuracy, typically 8 to 15 feet. Sample location coordinates are presented in Table 1 and sample locations are shown on Plate 2.

On June 2, 5 and 6, 2006, soil samples were collected from 6 to 12 inches below ground surface (bgs) at each of the 140 locations, and from 18 to 24 inches bgs at one of every three locations, 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 the 140 acres were composited by fours (35 composite samples) in the laboratory and analyzed for 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 140 discrete soil samples that made up each of the four-point composites were subsequently analyzed using EPA Test Method 8081A. In addition, eight 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

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 four-part compositing method used in the sampling and analytical program for this site, PES initially compared the laboratory results with concentrations equal to one-fourth 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 three 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 in a composite sample were found to exceed one-fourth 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.

4.1 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.

4.1.1 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 35 and 8.6 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 concentrations of lead was less than one-fourth 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 PRGs and CHHSLs of 0.39 and 0.07 mg/kg, respectively. However, the exceedance does not require additional assessment because the arsenic concentration is representative of background conditions.

4.1.2 Organochlorine Pesticides in Composite Soil Samples

Four organochlorine pesticides were detected in one or more composite soil samples, including delta-BHC, 4,4'-DDE, 4,4'-DDD and 4,4'-DDT. Delta-BHC was detected in only one sample at a low concentration of 2.6 μg/kg. No PRGs or CHHSLs are published for delta-BHC. 4,4'-DDT, 4,4'-DDE and toxaphene were most commonly detected, in 12, 23 and 15 composite samples, respectively. 4,4'-DDD and 4,4'-DDT and 4,4'-DDE were detected in 12, 27 and 30 of 35 composite samples, respectively. 4,4'-DDD and 4,4'-DDT were detected at maximum concentrations of less than one-fourth the respective PRGs and CHHSLs, as shown on Plate 2. 4,4'-DDE was detected at a maximum concentration of 580 μg/kg, which is greater than one-fourth the PRG and CHHSL of 1,700 and 1,600 μg/kg, respectively.

To further characterize the concentrations of organochlorine pesticides at the site, discrete analyses were performed on the twenty soil samples that comprised the five composite samples with the highest concentrations of 4,4'-DDE (SS-3, SS-4, SS-6, SS-16 and SS-17). Discrete sample results are presented in Table 3 and in Section 4.3.2.

4.1.3 Chlorinated Herbicides in Composite Soil Samples

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

4.2 Discrete Sample Results

Table 3 presents the results of laboratory analysis of organochlorine pesticides in twenty discrete soil samples. Results for the organochlorine pesticide analyses of subsamples showed the maximum concentration of 4,4'-DDE in discrete samples (580 μg/kg) was well below the PRG and CHHSL of 1,700 and 1,600 mg/kg, respectively.

5.0 CONCLUSIONS

Chlorinated herbicides were not detected in any of the soil samples. Lead and arsenic were detected at concentrations that are representative of background conditions. Four organochlorine pesticides were detected in soil, delta-BHC, 4,4'-DDD, 4,4'-DDE and 4,4'-DDT. Concentrations of these pesticides in composite and discrete samples did not exceed respective PRGs and CHHSLs. Therefore, no additional investigation of soil is recommended, nor is it warranted based on the available analytical data.

In accordance with the recommendations presented in PES' Phase I ESA, prior to redevelopment of the property the following items should be addressed:

- Surveys for the presence of asbestos and lead-based paints should be conducted prior to demolition of the structures;
- The water supply wells should be properly abandoned if no longer needed;
- Prior to demolition of the structures, all debris and hazardous materials should be properly removed and disposed off site;
- A Soils Management Plan should be prepared to address contaminated soils, if encountered, during redevelopment; and
- The septic system should be properly closed in accordance with County regulations at the time of site redevelopment.

Also, PES recommends that monitoring data from the nearby Tri Cities Disposal and Recycling Facility be reviewed periodically to assess whether there are any changes in site conditions.

TABLES

Table 1
Summary of Sample Information
280-Acre Peery/Arrillaga Site
End of Stevenson Boulevard
Newark, California

Location	Coordinates		Accuracy (feet)	Deeper Sample	Herbicides 8151A
	Latitude	Longitude			
SS-1A	37.30.061	122.00.69	21		X
SS-1B	37.30.131	122.00.583	21	X	
SS-1C	37.30.097	122.00.625	22		
SS-1D	37.30.097	122.00.582	20		
SS-2A	37.30.132	122.00.54	10		
SS-2B	37.30.133	122.00.496	8	X	
SS-2C	37.30.098	122.00.539	18	X	
SS-2D	37.30.098	122.00.496	13		
SS-3A	37.30.133	122.00.453	8		
SS-3B	37.30.134	122.00.410	8	X	
SS-3C	37.30.099	122.00.453	13		
SS-3D	37.30.099	122.00.409	13		
SS-4A	37.30.136	122.00.366	8		
SS-4B	37.30.135	122.00.325	9		
SS-4C	37.30.100	122.00.366	43		
SS-4D	37.30.100	122.00.323	25	X	
SS-5A	37.30.136	122.00.282	12		X
SS-5B	37.30.136	122.00.238	13	X	
SS-5C	37.30.101	122.00.280	21		
SS-5D	37.30.101	122.00.237	21		
SS-6A	37.30.136	122.00.191	12		
SS-6B	37.30.137	122.00.151	16		
SS-6C	37.30.102	122.00.196	24		
SS-6D	37.30.102	122.00.151	22	X	
SS-7A	37.30.137	122.00.108	8		
SS-7B	37.30.138	122.00.075	16	X	
SS-7C	37.30.103	122.00.107	16		
SS-7D	37.30.104	122.00.064	15		
SS-8A	37.30.137	122.00.040	9		
SS-8B	37.30.138	122.00.007	8		
SS-8C	37.30.104	122.00.021	16		
SS-8D	37.30.110	121.59.958	14	X	
SS-9A	37.30.137	121.59.961	9		
SS-9B	37.30.139	121.59.917	15	X	
SS-9C	37.30.106	121.59.938	12		
SS-9D	37.30.105	121.59.890	12		
SS-10A	37.30.191	121.59.857	15		
SS-10B	37.30.175	121.59.881	7	X	
SS-10C	37.30.147	121.59.859	11		
SS-10D	37.30.151	121.59.903	15		
SS-11A	37.30.145	121.59.821	12	X	
SS-11B	37.30.107	121.59.847	11	X	
SS-11C	37.30.107	121.59.805	12		
SS-11D	37.30.104	121.59.765	12		
SS-12A	37.30.026	122.00.667	17	X	
SS-12B	37.29.992	122.00.667	13		
SS-12C	37.29.889	122.00.708	12		
SS-12D	37.29.891	122.00.664	8	X	

Table 1
Summary of Sample Information
280-Acre Peery/Arrillaga Site
End of Stevenson Boulevard
Newark, California

Location	Coordinates		Accuracy (feet)	Deeper Sample	Herbicides 8151A
	Latitude	Longitude			
SS-13A	37.29.928	122.00.502	8	X	
SS-13B	37.29.996	122.00.452	8		
SS-13C	37.30.031	122.00.451	23	X	
SS-13D	37.30.064	122.00.477	9		
SS-14A	37.29.859	122.00.383	15	X	
SS-14B	37.29.859	122.00.340	10		X
SS-14C	37.29.825	122.00.339	18	X	
SS-14D	37.29.791	122.00.317	19		
SS-15A	37.30.065	122.00.432	9	X	
SS-15B	37.30.066	122.00.386	9		
SS-15C	37.30.031	122.00.406	18		
SS-15D	37.30.032	122.00366	14		
SS-16A	37.30.066	122.00.344	9		
SS-16B	37.30.064	122.00.304	12		
SS-16C	37.30.032	122.00.321	14	X	
SS-16D	37.30.032	122.00.279	11		
SS-17A	37.30.067	122.00.258	10	X	
SS-17B	37.30.067	122.00.214	10		
SS-17C	37.30.033	122.00.236	9		
SS-17D	37.30.034	122.00.191	8		
SS-18A	37.30.068	122.00.171	12		
SS-18B	37.30.068	122.00.128	9		X
SS-18C	37.30.034	122.00.148	9	X	
SS-18D	37.30.034	122.00.107	8		
SS-19A	37.30.068	122.00.085	9	X	
SS-19B	37.30.070	122.00.042	9		
SS-19C	37.30.035	122.00.063	13		
SS-19D	37.30.035	122.00.020	13		
SS-20A	37.30.070	121.59.999	8		
SS-20B	37.30.071	121.59.956	12		
SS-20C	37.30.036	121.59.978	11	X	
SS-20D	37.30.036	121.59.933	16		
SS-21A	37.30.072	121.59.912	9	X	
SS-21B	37.30.073	121.59.869	9		
SS-21C	37.30.037	121.59.890	11		
SS-21D	37.30.038	121.59.847	7		
SS-22A	37.30.072	121.59.826	9		
SS-22B	37.30.073	121.59.783	10		X
SS-22C	37.30.037	121.59.807	9	X	
SS-22D	37.30.039	121.59.761	7		
SS-23A	37.30.073	121.59.739	16	X	
SS-23B	37.30.039	121.59.721	12		
SS-23C	37.30.003	121.59.726	13		
SS-23D	37.30.004	121.59.676	15		
SS-24A	37.29.758	122.00.299	9		
SS-24B	37.29.795	122.00.139	17	X	X
SS-24C	37.29.828	122.00.096	8		
SS-24D	37.29.897	122.00.060	9	X	

Table 1
Summary of Sample Information
280-Acre Peery/Arrillaga Site
End of Stevenson Boulevard
Newark, California

Location	Coordinates		Accuracy (feet)	Deeper Sample	Herbicides 8151A
	Latitude	Longitude			
SS-25A	37.29.898	122.00.017	12		
SS-25B	37.29.898	121.59.974	12	X	
SS-25C	37.29.864	122.00.016	11	X	
SS-25D	37.29.864	121.59.973	10		
SS-26A	37.29.934	121.59.910	10	X	
SS-26B	37.29.934	121.59.866	7		
SS-26C	37.29.899	121.59.930	11		
SS-26D	37.29.900	121.59.887	13	X	
SS-27A	37.29.930	122.00.0169	12	X	
SS-27B	37.29.931	122.00.125	7		
SS-27C	37.29.933	121.59.953	7		
SS-27D	37.29.933	121.59.996	10		
SS-28A	37.30.004	121.59.803	11		
SS-28B	37.30.004	121.59.760	10		
SS-28C	37.29.968	121.59.802	16		
SS-28D	37.29.970	121.59.759	9	X	
SS-29A	37.29.971	121.59.716	8		
SS-29B	37.59.971	121.29.673	24		
SS-29C	37.29.971	121.59.631	8	X	
SS-29D	37.29.938	121.59.607	13		
SS-30A	37.29.996	122.00.407	6	X	
SS-30B	37.30.000	122.00.367	19		X
SS-30C	37.29.998	122.00.321	21		
SS-30D	37.29.965	122.00.275	35	X	
SS-31A	37.29.997	122.00.281	31		
SS-31B	37.29.998	122.00.236	17	X	
SS-31C	37.29.963	122.00.237	13		
SS-31D	37.29.964	122.00.190	13		
SS-32A	37.29.998	122.00.189	14		
SS-32B	37.29.999	122.00.148	12		
SS-32C	37.29.967	122.00.146	17		
SS-32D	37.29.966	122.00.106	12	X	
SS-33A	37.30.001	122.00.104	12		
SS-33B	37.30.001	122.00.062	12	X	
SS-33C	37.29.965	122.00.063	11		
SS-33D	37.29.967	122.00.018	8	X	
SS-34A	37.30.013	122.00.022	9		
SS-34B	37.30.001	121.59.974	22		X
SS-34C	30.29.967	121.59.975	14	X	
SS-34D	37.29.968	121.59.932	21		
SS-35A	37.30.002	121.59.933	9		
SS-35B	37.30.003	121.59.889	14	X	
SS-35C	37.30.003	121.59.846	13		
SS-35D	37.29.968	121.59.889	17		

Table 2
Summary of Laboratory Analytical Results - Composite Samples
Organochlorine Pesticides, Arsenic and Lead in Composite Samples
280-Acre Peery/Arrillaga Site
End of Stevenson Boulevard
Newark, California

Sample Identification	Sample Date	Delta-BHC (µg/kg)	4,4',-DDE (µg/kg)	4,4',-DDD (µg/kg)	4,4',-DDT (µg/kg)	Arsenic (mg/kg)	Lead (mg/kg)
SS-1	6/2/2006	**2.6 C**	**19**	**8.8**	**40 #**	**8.3**	**19**
SS-2	6/2/2006	ND(8.6)	**240 C**	**20 #**	**180**	**6.7**	**15**
SS-3	6/2/2006	ND(8.5)	**470**	**35 #**	**240**	**6.9**	**11**
SS-4	6/2/2006	ND(17)	**530 C**	ND(17)	**110**	**5.7**	**14**
SS-5	6/2/2006	ND(8.5)	**370 C**	ND(17)	**64**	**4.8**	**14**
SS-6	6/2/2006	ND(8.5)	**540**	**18 #**	**93**	**3.9**	**15**
SS-7	6/2/2006	ND(8.6)	**240 C**	ND(17)	**96**	**2.4**	**17**
SS-8	6/2/2006	ND(8.5)	**190 C**	ND(17)	**31**	**1.9**	**9.2**
SS-9	6/2/2006	ND(8.6)	**160 C**	ND(17)	**45**	**2.7**	**10**
SS-10	6/2/2006	ND(8.6)	**55 C**	ND(17)	ND(17)	**3.9**	**12**
SS-11	6/2/2006	ND(1.7)	**43**	**3.5 #**	**7.5 #**	**1.9**	**10**
SS-12	6/5/2006	ND(8.5)	ND(17)	ND(17)	**36**	**8.2**	**17**
SS-13	6/5/2006	ND(8.5)	**290**	**35**	**250**	**8.6**	**15**
SS-14	6/6/2006	ND(8.5)	ND(17)	ND(17)	ND(17)	**7.9**	**35**
SS-15	6/5/2006	ND(8.5)	**370**	**28**	**310**	**6.2**	**12**
SS-16	6/5/2006	ND(8.5)	**490**	**34 #**	**160**	**5.6**	**12**
SS-17	6/5/2006	ND(8.5)	**580**	**28 #**	**160**	**4.6**	**11**
SS-18	6/5/2006	ND(8.6)	**220 C**	ND(17)	**21**	**4.3**	**15**
SS-19	6/5/2006	ND(8.6)	**380 C**	**21 #**	**79**	**4.1**	**15**
SS-20	6/5/2006	ND(8.4)	**290**	**28**	**140**	**2.7**	**14**
SS-21	6/5/2006	ND(8.5)	**190 C**	ND(17)	**40**	**1.3**	**10**
SS-22	6/5/2006	ND(8.5)	**30**	ND(17)	ND(17)	**1.3**	**11**
SS-23	6/5/2006	ND(8.6)	**62 C**	ND(17)	ND(17)	**3.0**	**13**
SS-24	6/6/2006	ND(8.5)	ND(17)	ND(17)	ND(17)	**7.0**	**21**
SS-25	6/6/2006	ND(8.5)	**71**	**23**	**77**	**4.2**	**13**
SS-26	6/6/2006	ND(8.5)	**79**	ND(17)	**49**	**5.8**	**12**
SS-27	6/6/2006	ND(8.5)	**23**	ND(17)	**24**	**4.2**	**14**
SS-28	6/6/2006	ND(8.6)	**110**	ND(17)	**29**	**1.9**	**9.7**
SS-29	6/6/2006	ND(8.5)	**61**	ND(16)	**33**	**2.5**	**8.7**
SS-30	6/5/2006	ND(8.6)	**59**	ND(17)	**25**	**6.5**	**15**
SS-31	6/5/2006	ND(8.6)	ND(17)	ND(17)	ND(17)	**3.7**	**16**
SS-32	6/5/2006	ND(8.5)	ND(17)	ND(17)	ND(17)	**3.4**	**13**
SS-33	6/5/2006	ND(8.5)	**28**	ND(17)	**45**	**3.0**	**28**
SS-34	6/6/2006	ND(8.5)	**69**	ND(17)	ND(17)	**3.0**	**13**
SS-35	6/6/2006	ND(8.5)	**130**	ND(17)	**36**	**1.9**	**12**
EPA Region 9 PRGs		None	**1,700**	**2,400**	**1,700**	**0.39(1)**	**150(1)**
DTSC CHHSLs		None	**1,600**	**2,300**	**1,600**	**0.07**	**150**

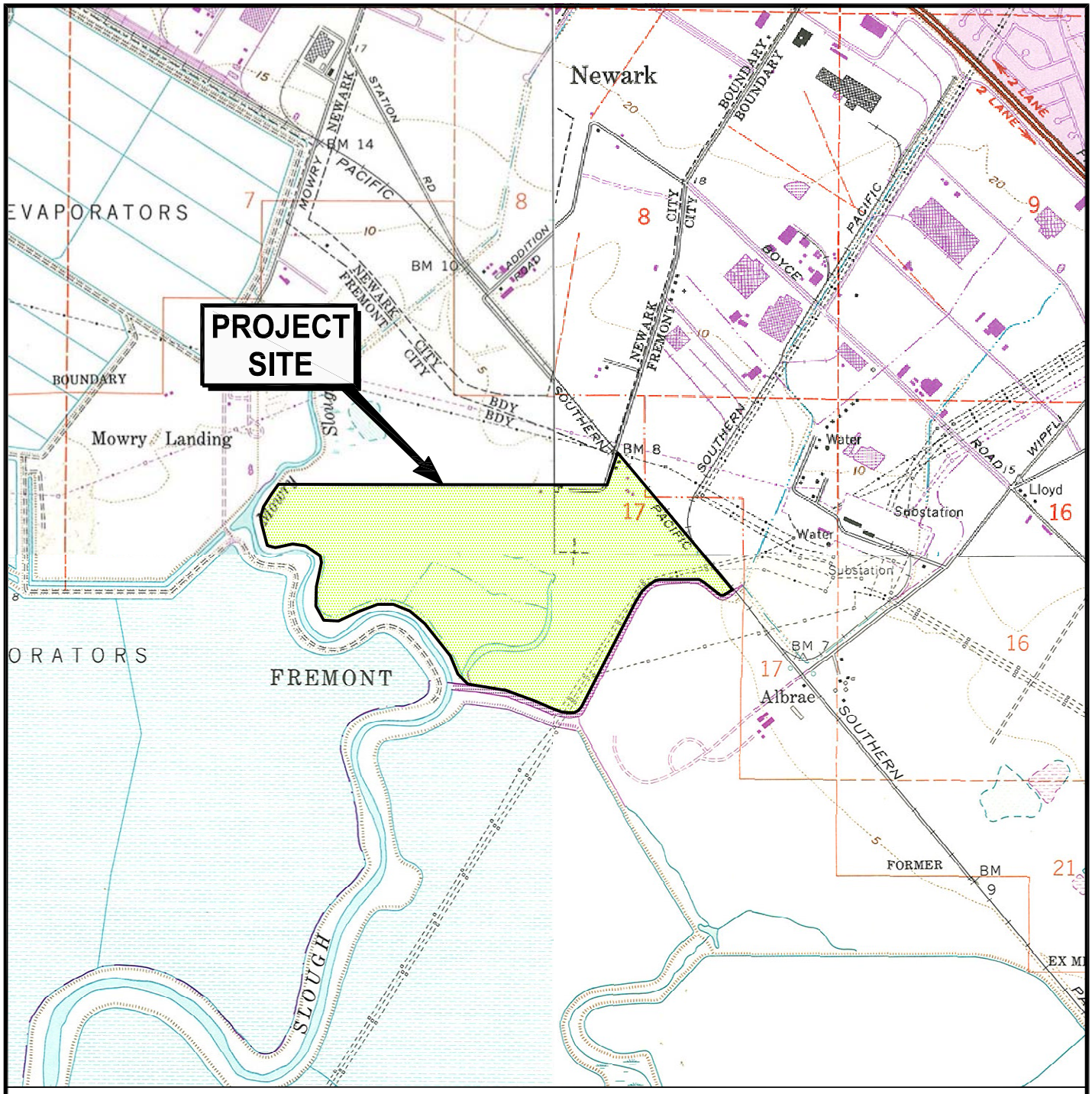
Notes:
All soil samples collected from 6 to 12 inches below ground surface
Chemical Analysis by Environmental Protection Agency Test Method 8081A for organochlorine pesticides
µg/kg - micrograms per kilogram
Chemical Analysis by Environmental Protection Agency Test Method 6010B for lead and arsenic
mg/kg - milligrams per kilogram
ND - Not detected at or above indicated range of laboratory reporting limits
C - Presence confirmed, but relative percent difference between instrument columns exceed 40%
- 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 - 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, Arsenic and Lead in Soil
280-Acre Peery/Arrillaga Site
End of Stevenson Boulevard
Newark, California

Sample Identification	Sample Date	Delta-BHC (µg/kg)	4,4',-DDD (µg/kg)	4,4',-DDT (µg/kg)	4,4',-DDE (µg/kg)	4,4'-DDE Composite Result (µg/kg)
SS-3A	6/2/2006	ND(8.6)	**18 #**	**82**	**330 C**	**470**
SS-3B	6/2/2006	ND(8.6)	**26 C #**	**130**	**520 C**	
SS-3C	6/2/2006	ND(8.6)	**24 C #**	**56**	**330 C**	
SS-3D	6/2/2006	ND(8.6)	**28 C #**	**220**	**410 C**	
SS-4A	6/2/2006	ND(8.5)	ND(17)	**31**	**230 C**	**530**
SS-4B	6/2/2006	ND(8.6)	ND(17)	**59**	**400 C**	
SS-4C	6/2/2006	ND(8.6)	**19**	**65**	**240 C**	
SS-4D	6/2/2006	ND(8.6)	**19**	**120**	**400 C**	
SS-6A	6/2/2006	ND(8.5)	ND(16)	**77**	**580 C**	**540**
SS-6B	6/2/2006	ND(8.5)	ND(16)	**64**	**500 C**	
SS-6C	6/2/2006	ND(8.6)	**18**	**79**	**520 C**	
SS-6D	6/2/2006	ND(8.5)	ND(17)	**32**	**350 C**	
SS-16A	6/5/2006	ND(8.4)	ND(16)	**31**	**300 C**	**490**
SS-16B	6/5/2006	ND(8.5)	ND(17)	**84**	**420 C**	
SS-16C	6/5/2006	ND(8.4)	**20**	**100**	**420 C**	
SS-16D	6/5/2006	ND(8.5)	**26 C**	**92**	**460 C**	
SS-17A	6/5/2006	ND(8.4)	ND(16)	**120**	**400**	**580**
SS-17B	6/5/2006	ND(8.5)	ND(16)	**71**	**240**	
SS-17C	6/5/2006	ND(8.5)	ND(16)	**45**	**220**	
SS-17D	6/5/2006	ND(8.5)	ND(17)	ND(17)	**40**	
EPA Region 9 PRGs			**2,400**	**1,700**	**1,700**	**1,700**
DTSC CHHSLs			**2,300**	**1,600**	**1,600**	**1,600**

Notes:
Chemical Analysis by Environmental Protection Agency Test Method 8081A for organochlorine pesticides
µg/kg - micrograms per kilogram
Chemical Analysis by Environmental Protection Agency Test Method 6010B for lead and arsenic
mg/kg - milligrams per kilogram
ND - Not detected at or above indicated range of laboratory reporting limits
C - Presence confirmed, but relative percent difference between instrument columns exceed 40%
- 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 - Department of Toxic Substances Control, California Human Health Screening Levels for residential soil
(1) CAL-Modified PRG

ILLUSTRATIONS



0 2000 4000

Scale in Feet

N

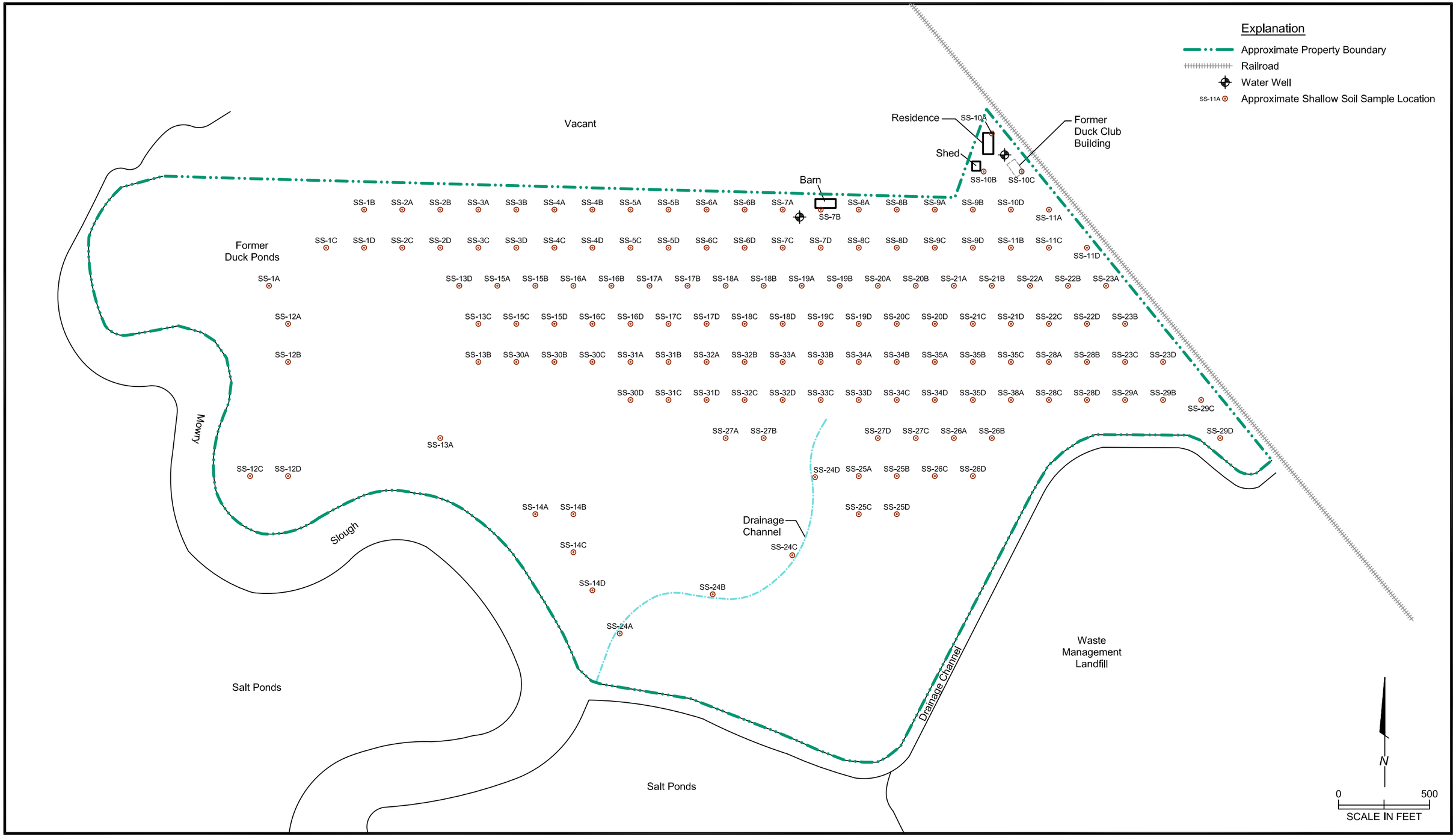
U.S.G.S. Topo Map - Niles, California, 7.5-minute quadrangle.1961 photorevised 1980
U.S.G.S. Topo Map - Newark, California, 7.5-minute quadrangle.1959 photorevised 1980
U.S.G.S. Topo Map - Milpitas, California, 7.5-minute quadrangle.1961 photorevised 1980
U.S.G.S. Topo Map - Mountain View, California,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

PES Environmental, Inc.
Engineering & Environmental Services

Site Location Map
280-Acre Peery/Arrillaga Site
End of Stevenson Boulevard
Newark, California

PLATE
1

126.055.01.002	126-05501001_0606	WFF	8/06
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



PES Environmental, Inc.
Engineering & Environmental Services

Site Plan and Sample Locations
280-Acre Peery/Arrillaga Site
End of Stevenson Boulevard
Newark, California

PLATE
2

JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE
126.055.01.002	126-05501001_0606	*WFF*	8/06

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

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: 187242
Project ID: STANDARD
Location: 280 Acres, 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

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Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**187242**
Client:	**PES Environmental, Inc.**
Location:	**280 Acres, Newark**
Request Date:	**06/05/06**
Samples Received:	**06/05/06**

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

Pesticides (EPA 8081A):
Low recoveries were observed for 4,4'-DDT in the MS/MSD for batch 114299; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. No other analytical problems were encountered.

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

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

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

CHAIN OF CUSTODY

Page _____ of _____

C & T LOGIN #: 187242

Sampler: ADN, MR, CB

Project No.: 126.055.01.002

Report To: Ann Loomis

Project Name: 280 acres, Newark

Company: PES

Project P.O.:

Telephone: 415-899-1600

Turnaround Time: Standard

Fax: -1601

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	8081 Pesticides	6010B As	6010B Pb	8151A Herbicides
-1	SS23A-0.5	6/5/06 1050	X			1								
-2	23B-0.5	1155									X	X	X	
-3	23C-0.5	1415												
-4	23D-0.5	1420												
-5	23A-1.5	1050									Hold			
-6	23C-1.5	1415									HOLD			
-7	32A-0.5	1355												
-8	32B-0.5	1400									X	X	X	
-9	32C-0.5	1400												
-10	32D-0.5	1400												
-11	32D-1.5	1400									Hold			
-12	SS23-Comp													
-13	SS32-Comp													

Notes: 4 pt. composite analysis per sample ID

SAMPLE RECEIPT
☐ Intact ☐ Cold
☑ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 6/5/06/1530 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 6.5.06 4:11 p.m. DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

Page _____ of _____

C & T LOGIN #: 187242

Project No.: 280 Acres, Newark
Project Name: 126.055-9.003
Project P.O.:
Turnaround Time: Standard

Sampler: AN & MR
Report To: A. Loomis
Company: PES Env
Telephone: 415-899-1600
Fax: -1601

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	8081 Pesticides	1,2,5 6010B	1,2,5 6010B 8151A Herbicides
-14	SS-31 A-0.5	6-5-06 1345	X										
-15	SS-31 B-0.5	1350									X	X	X
-16	SS-31 C 0.5	1350											
-17	SS-31D-0.5	1352											
-18	SS-31B-1.5	1350	X								Hold		
-19	SS-18A-0.5	1015											
-20	SS-18B-0.5	1018									X	X	X X
-21	SS-18C-0.5	1135											
-22	SS-18D-0.5	1130											
-23	SS-18C-0.5	1135									Hold		
-24	SS-31 -Comp												
-25	SS-18-Comp												

Notes:
4 pt. composite analyses, per sample ID #'s

SAMPLE RECEIPT
☐ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
6-5-06 1530 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
6-5-06 4:11 p.m.
DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

Page ____ of ____

C & T LOGIN #: 187242

Sampler: AN MR, CB

Report To: A. Loomis

Company: PES Env.

Telephone: 415-899-1600

Fax: -1607

Project No.: 126.055-01.002

Project Name: 280 acre, Newark

Project P.O.:

Turnaround Time: Standard

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	8081 Pesticides	Pb 6010B	As 6010B	8151A Herbicides
-26	SS-16A-0.5	6-5-06 1005	X			1								
-27	SS-16B-0.5	1010												
-28	SS-16C-0.5	1145												
-29	SS-16C-1.5	1145												
-30	SS-16D-0.5	1190												
-31	SS-19A-0.5	1020												
-32	SS-19A-1.5	1020												
-33	SS-19B-0.5	1025												
-34	SS-19C-0.5	1125												
-35	SS-19C-0.5	1120												
	Labeled SS-19D-0.5, Id'd by time			PP										
-36	SS-16-Comp													
-37	SS-19-Comp													

HOLD

HOLD

Notes: 1 pt. composite Analyses, per sample ID#

SAMPLE RECEIPT
☐ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY: [signature] 6-5-06 15:50 DATE / TIME

DATE / TIME

DATE / TIME

RECEIVED BY: Lavanna [signature] 6-5-06 4:11 p.m. DATE / TIME

DATE / TIME

DATE / TIME

SIGNATURE

PES Environmental, Inc.
Engineering & Environmental Services

184C4L

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis + Tompkins
JOB NUMBER: 126.055.01.002
NAME / LOCATION: 280 acres, Newark
PROJECT MANAGER: Ann Loomis

SAMPLERS: AH, MR, CB
RECORDER: ADH.

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	6010B As	6010B Pb	8151A Herbicides
06	06	05	1010	SS17A-0.5			X							0.5									/	/	/	
			1010	SS17A-1.5										1.5	HOLD											
			1015	SS17B-0.5										0.5									/	/	/	
			1140	SS17C 0.5										0.5									/	/	/	
			1135	SS17D 0.5										0.5									/	/	/	
			1043	SS21A-0.5										0.5									/	/	/	
			1043	SS21A-1.5										1.5	HOLD											
			1040	SS-21B-0.5										0.5									/	/	/	
			1010	SS-21C-0.5										0.5									/	/	/	
			1105	SS-21D-0.5										0.5									/	/	/	
				SS17-Comp																						
				SS21-Comp																						

NOTES

Turn Around Time: 4 pt. composite per sample ID
Standard T.A.T.

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
	Lorraine Curtis	6-5-06	16:00
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:

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Analytical Laboratory Since 1878
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Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

CHAIN OF CUSTODY

Page _____ of _____

C & T LOGIN #: 187242

Sampler: AN, MR

Project No.: 126.055-01-002

Report To: A Loomis

Project Name: 280 Acres, Newark

Company: PES Env.

Project P.O.:

Telephone: 415-899-1600

Turnaround Time: Standard

Fax: -1601

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	8081 Pesticides	PCB 8082	As 6010B	8151A Herbicides
-50	SS-20A-0.5	06-05-06 1025				1								
-51	SS-20B-0.5	1115												
-52	SS-20C-0.5	1115												
-53	SS-20C-1.5	1115									HOLD			
-54	SS-20D-0.5	1115												
-55	SS-12A-0.5	1215												
-56*	SS-12B-1.5	1215									HOLD			
-57	SS-12C-0.5	1210												
-58	SS-12D-0.5	1205												
-59	SS-12D-1.5	1205									HOLD			
-60	SS-12B-0.5	1215												
-61	SS-20 -Comp													
-62	SS12-Comp													

Notes:
4pt. composite per analysis
per sample ID
*Labeled SS-12A-1.5, I did by time
BP

SAMPLE RECEIPT
☒ Intact ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
6-5-06 15:30 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
Savanna 6-5-06 4:11 p.m. DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

PES Environmental, Inc. 187242 CHAIN OF CUSTODY RECORD

Engineering & Environmental Services

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

LABORATORY: Curtis & Tompkins

JOB NUMBER: 126-055-01-002

NAME / LOCATION: 280 acre site

PROJECT MANAGER: Ann Loomis

SAMPLERS: AL, MR, CB

RECORDER:

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	8081 Pesticides	As 6010B	Pb 6010B	515.1A Herbicides
06	06	05	1045	SS-22A										0.5												
			1050	SS-B																						
			1100	SS-C																			X	X	X	
			1100	SS-D																						
			1110	SS-E										1.5												
				SS-22-Comp																						

Hold

NOTES

Turn Around Time: Standard

3pt composite analysis as indicated

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature]	[signature]	6/5/16	1600
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: In Person @ Lab.

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PES Environmental, Inc. 187242 CHAIN OF CUSTODY RECORD

Engineering & Environmental Services

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

LABORATORY: Curtis & Tompkins

JOB NUMBER: 126-055-01-062

NAME / LOCATION: 280 Acre Site

PROJECT MANAGER: Ann Loomis

SAMPLERS: AN, MR, CB

RECORDER: MP

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 colorb	Pb 6010B	8151A Herbicides	check 8151A for energy 1 of 6
06	06	05	0405	SS-33A-0.5			X							0.5													
			1407	SS-33B-0.5																							
			1410	SS-33C-0.5																			X	X	X		
			1415	SS-33D-0.5																							
			1407	SS-33B-1.5										1.5	HOLD												
			1415	SS-33D-1.5										1.5	HOLD												
			1005	SS-15A-0.5										0.5													
			1005	SS-15B-0.5																			X	X	X		
			1147	SS-15C-0.5																							
			1145	SS-15D-0.5																							
			1005	SS-15A 1.5										1.5													
				SS-33-Comp																							
				SS-15-Comp																							

NOTES

Turn Around Time: Standard

3 pt composite analyses as indicated

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature] 1-12-30	Savanna Curtis	6-5-06	4:11 p.m.
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: In person @ lab

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

PES Environmental, Inc. 187242

Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis & Tompkins

SAMPLERS: Andrew Nolan, Miguel Rivas, Chris Baldassari

JOB NUMBER: 126-055-01-002

NAME / LOCATION: Ann Loomis 280 Alvarado, Newark

PROJECT MANAGER:

RECORDER: MR / CB

	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)	Total Pesticides	As 6010B	Pb 6010B	S 15-14 Herbicides	Check 8151A for every other	
52	06	06	05	1330	SS-30A-0.5			X							0.5									X	X	X	X		
53	06	06		1330	SS-30A-1.5			X							1.5				HOLD										
54	06	06		1335	SS-30B-0.5			X							0.5									X	X	X	X		
55	06	06		1335	SS-30C-0.5										0.5									X	X	X	X		
56	06	06		1340	SS-30D-0.5										0.5									X	X	X	X		
57	06	06		1340	SS-30D-1.5										1.5				HOLD										
58	06	06		1200	SS-13A-0.5										0.5									X	X	X			
59	06	06		1200	SS-13A-1.5										1.5				HOLD										
60	06	06		1155	SS-13B-0.5										0.5									X	X	X			
61	06	06		1150	SS-13C-0.5										0.5									X	X	X			
62	06	06		1150	SS-13C-1.5										1.5				HOLD										
63	06	06		1000	SS-13D-0.5										0.5									X	X	X			

94 SS-30-Comp

-95 SS-13-Comp

NOTES

Turn Around Time: Standard turnaround

4 qt composite analysis as indicated (30, 13)

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
	Lavanne Ali	6-5-06	15:45
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

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Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS23-COMP	Batch#:	114263
Lab ID:	187242-012	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/13/06
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	62 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
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	77	41-123
Decachlorobiphenyl	99	45-140

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

6.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS32-COMP	Batch#:	114263
Lab ID:	187242-013	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/14/06
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
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	69	41-123
Decachlorobiphenyl	92	45-140

ND= Not Detected
RL= Reporting Limit

7.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS31-COMP	Batch#:	114263
Lab ID:	187242-024	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/14/06
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	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
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	78	41-123
Decachlorobiphenyl	95	45-140

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS18-COMP	Batch#:	114263
Lab ID:	187242-025	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/14/06
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	220 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	21	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	61	41-123
Decachlorobiphenyl	80	45-140

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

9.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS16-COMP	Batch#:	114263
Lab ID:	187242-036	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/14/06

Cleanup Method: EPA 3620B

Analyte	Result	RL	Diln Fac
alpha-BHC	ND	8.5	5.000
beta-BHC	ND	8.5	5.000
gamma-BHC	ND	8.5	5.000
delta-BHC	ND	8.5	5.000
Heptachlor	ND	8.5	5.000
Aldrin	ND	8.5	5.000
Heptachlor epoxide	ND	8.5	5.000
Endosulfan I	ND	8.5	5.000
Dieldrin	ND	17	5.000
4,4'-DDE	490	33	10.00
Endrin	ND	17	5.000
Endosulfan II	ND	17	5.000
Endosulfan sulfate	ND	17	5.000
4,4'-DDD	34 #	17	5.000
Endrin aldehyde	ND	17	5.000
4,4'-DDT	160	17	5.000
gamma-Chlordane	ND	8.5	5.000
alpha-Chlordane	ND	8.5	5.000
Methoxychlor	ND	85	5.000
Toxaphene	ND	300	5.000

Surrogate	%REC	Limits	Diln Fac
TCMX	101	41-123	5.000
Decachlorobiphenyl	109	45-140	5.000

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

10.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS19-COMP	Batch#:	114263
Lab ID:	187242-037	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/14/06
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	380 C	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	21 #	17
Endrin aldehyde	ND	17
4,4'-DDT	79	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	74	41-123
Decachlorobiphenyl	106	45-140

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

11.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS17-COMP	Batch#:	114263
Lab ID:	187242-048	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/14/06

Cleanup Method: EPA 3620B

Analyte	Result	RL	Diln Fac
alpha-BHC	ND	8.5	5.000
beta-BHC	ND	8.5	5.000
gamma-BHC	ND	8.5	5.000
delta-BHC	ND	8.5	5.000
Heptachlor	ND	8.5	5.000
Aldrin	ND	8.5	5.000
Heptachlor epoxide	ND	8.5	5.000
Endosulfan I	ND	8.5	5.000
Dieldrin	ND	17	5.000
4,4'-DDE	580	33	10.00
Endrin	ND	17	5.000
Endosulfan II	ND	17	5.000
Endosulfan sulfate	ND	17	5.000
4,4'-DDD	28 #	17	5.000
Endrin aldehyde	ND	17	5.000
4,4'-DDT	160	17	5.000
gamma-Chlordane	ND	8.5	5.000
alpha-Chlordane	ND	8.5	5.000
Methoxychlor	ND	85	5.000
Toxaphene	ND	300	5.000

Surrogate	%REC	Limits	Diln Fac
TCMX	102	41-123	5.000
Decachlorobiphenyl	113	45-140	5.000

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

12.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS21-COMP	Batch#:	114263
Lab ID:	187242-049	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/14/06
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	190 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	40	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	73	41-123
Decachlorobiphenyl	97	45-140

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

13.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-20-COMP	Batch#:	114602
Lab ID:	187541-025	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/21/06
Basis:	as received	Analyzed:	06/21/06
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	290 b	16
Endrin	ND b	16
Endosulfan II	ND b	16
Endosulfan sulfate	ND b	16
4,4'-DDD	28 b	16
Endrin aldehyde	ND b	16
4,4'-DDT	140 b	16
gamma-Chlordane	ND b	8.4
alpha-Chlordane	ND b	8.4
Methoxychlor	ND b	84
Toxaphene	ND b	300

Surrogate	%REC	Limits
TCMX	91 b	41-123
Decachlorobiphenyl	116 b	45-140

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

22.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS12-COMP	Batch#:	114299
Lab ID:	187242-062	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/13/06
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	36	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	104	41-123
Decachlorobiphenyl	120	45-140

ND= Not Detected
RL= Reporting Limit

15.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS22-COMP	Batch#:	114299
Lab ID:	187242-068	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/13/06
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	30	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
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	100	41-123
Decachlorobiphenyl	109	45-140

ND= Not Detected
RL= Reporting Limit

16.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS33-COMP	Batch#:	114299
Lab ID:	187242-080	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/13/06
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	28	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	45	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	115	41-123
Decachlorobiphenyl	128	45-140

ND= Not Detected
RL= Reporting Limit

17.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS15-COMP	Batch#:	114299
Lab ID:	187242-081	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/13/06
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	370	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	28	17
Endrin aldehyde	ND	17
4,4'-DDT	310	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	76	41-123
Decachlorobiphenyl	116	45-140

ND= Not Detected
RL= Reporting Limit

18.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS30-COMP	Batch#:	114299
Lab ID:	187242-094	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/13/06
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	59	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	25	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	103	41-123
Decachlorobiphenyl	120	45-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS13-COMP	Batch#:	114299
Lab ID:	187242-095	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/13/06
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	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	35	17
Endrin aldehyde	ND	17
4,4'-DDT	250	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	101	41-123
Decachlorobiphenyl	139	45-140

ND= Not Detected
RL= Reporting Limit

20.0

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC343358	Batch#:	114263
Matrix:	Soil	Prepared:	06/09/06
Units:	ug/Kg	Analyzed:	06/10/06
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	60

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

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

21.0

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC343490	Batch#:	114299
Matrix:	Soil	Prepared:	06/11/06
Units:	ug/Kg	Analyzed:	06/12/06
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	60

Surrogate	%REC	Limits
TCMX	87	41-123
Decachlorobiphenyl	94	45-140

ND= Not Detected
RL= Reporting Limit

22.0

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC343359	Batch#:	114263
Matrix:	Soil	Prepared:	06/09/06
Units:	ug/Kg	Analyzed:	06/10/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.37	9.405	70	42-124
Heptachlor	13.37	9.791	73	43-129
Aldrin	13.37	9.840	74	46-122
Dieldrin	26.75	21.58	81	49-130
Endrin	26.75	21.29	80	48-132
4,4'-DDT	26.75	21.68 #	81	45-142

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

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

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC343491	Batch#:	114299
Matrix:	Soil	Prepared:	06/11/06
Units:	ug/Kg	Analyzed:	06/12/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.20	13.91	105	42-124
Heptachlor	13.20	15.84	120	43-129
Aldrin	13.20	14.26	108	46-122
Dieldrin	26.40	29.50	112	49-130
Endrin	26.40	30.01	114	48-132
4,4'-DDT	26.40	30.25	115	45-142

Surrogate	%REC	Limits
TCMX	99	41-123
Decachlorobiphenyl	100	45-140

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-1-COMP	Batch#:	114263
MSS Lab ID:	187216-012	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/10/06
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3620B
Lab ID: QC343360

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<0.1983	13.40	13.02	97	47-120
Heptachlor	0.3633	13.40	12.97	94	47-127
Aldrin	<0.2676	13.40	11.80	88	46-120
Dieldrin	<0.3128	26.80	21.99	82	48-125
Endrin	<0.5785	26.80	24.37	91	49-130
4,4'-DDT	40.28	26.80	58.37 #	67	31-145

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

Type: MSD Cleanup Method: EPA 3620B
Lab ID: QC343361

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.35	13.10	98	47-120	1	45
Heptachlor	13.35	13.07	95	47-127	1	43
Aldrin	13.35	12.16	91	46-120	3	42
Dieldrin	26.70	23.28	87	48-125	6	41
Endrin	26.70	26.01	97	49-130	7	47
4,4'-DDT	26.70	62.19 #	82	31-145	6	52

Surrogate	%REC	Limits
TCMX	89	41-123
Decachlorobiphenyl	86	45-140

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

24.0

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	ZZZZZZZZZZ	Batch#:	114299
MSS Lab ID:	187246-004	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/13/06
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3620B
Lab ID: QC343492

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	0.7975	13.23	12.05	85	47-120
Heptachlor	<0.4310	13.23	13.42	101	47-127
Aldrin	<0.4508	13.23	12.11	92	46-120
Dieldrin	1.134	26.46	25.05	90	48-125
Endrin	<0.9105	26.46	26.25	99	49-130
4,4'-DDT	98.66	26.46	54.98	-165 *	31-145

Surrogate	%REC	Limits
TCMX	91	41-123
Decachlorobiphenyl	92	45-140

Type: MSD Cleanup Method: EPA 3620B
Lab ID: QC343493

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.24	10.84	76	47-120	11	45
Heptachlor	13.24	12.53	95	47-127	7	43
Aldrin	13.24	11.50	87	46-120	5	42
Dieldrin	26.47	22.94	82	48-125	9	41
Endrin	26.47	24.29	92	49-130	8	47
4,4'-DDT	26.47	56.83	-158 *	31-145	3	52

Surrogate	%REC	Limits
TCMX	83	41-123
Decachlorobiphenyl	82	45-140

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

Curtis & Tompkins, Ltd.

Arsenic

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Arsenic	Batch#:	114182
Matrix:	Soil	Sampled:	06/05/06
Units:	mg/Kg	Received:	06/05/06
Basis:	as received	Prepared:	06/07/06
Diln Fac:	1.000	Analyzed:	06/07/06

Field ID	Type	Lab ID	Result	RL
SS23-COMP	SAMPLE	187242-012	3.0	0.25
SS32-COMP	SAMPLE	187242-013	3.4	0.25
SS31-COMP	SAMPLE	187242-024	3.7	0.25
SS18-COMP	SAMPLE	187242-025	4.3	0.25
SS16-COMP	SAMPLE	187242-036	5.6	0.25
SS19-COMP	SAMPLE	187242-037	4.1	0.25
SS17-COMP	SAMPLE	187242-048	4.6	0.25
SS21-COMP	SAMPLE	187242-049	1.3	0.25
SS20-COMP	SAMPLE	187242-061	2.7	0.25
SS12-COMP	SAMPLE	187242-062	8.2	0.25
SS22-COMP	SAMPLE	187242-068	1.3	0.25
SS33-COMP	SAMPLE	187242-080	3.0	0.25
SS15-COMP	SAMPLE	187242-081	6.2	0.25
SS30-COMP	SAMPLE	187242-094	6.5	0.25
SS13-COMP	SAMPLE	187242-095	8.6	0.25
	BLANK	QC343027	ND	0.25

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Batch QC Report

Arsenic

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Arsenic	Diln Fac:	1.000
Field ID:	SS23-COMP	Batch#:	114182
MSS Lab ID:	187242-012	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	mg/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/07/06

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC343028		50.00	51.06	102	80-120		
BSD	QC343029		50.00	50.35	101	80-120	1	20
MS	QC343030	3.014	45.45	44.49	91	74-120		
MSD	QC343031		48.54	48.48	94	74-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Lead

Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	114182
Matrix:	Soil	Sampled:	06/05/06
Units:	mg/Kg	Received:	06/05/06
Basis:	as received	Prepared:	06/07/06
Diln Fac:	1.000	Analyzed:	06/07/06

Field ID	Type	Lab ID	Result	RL
SS23-COMP	SAMPLE	187242-012	13	0.15
SS32-COMP	SAMPLE	187242-013	13	0.15
SS31-COMP	SAMPLE	187242-024	16	0.15
SS18-COMP	SAMPLE	187242-025	15	0.15
SS16-COMP	SAMPLE	187242-036	12	0.15
SS19-COMP	SAMPLE	187242-037	15	0.15
SS17-COMP	SAMPLE	187242-048	11	0.15
SS21-COMP	SAMPLE	187242-049	10	0.15
SS20-COMP	SAMPLE	187242-061	14	0.15
SS12-COMP	SAMPLE	187242-062	17	0.15
SS22-COMP	SAMPLE	187242-068	11	0.15
SS33-COMP	SAMPLE	187242-080	28	0.15
SS15-COMP	SAMPLE	187242-081	12	0.15
SS30-COMP	SAMPLE	187242-094	15	0.15
SS13-COMP	SAMPLE	187242-095	16	0.15
	BLANK	QC343027	ND	0.15

ND= Not Detected
RL= Reporting Limit

4.0

Curtis & Tompkins, Ltd.

Batch QC Report

Lead			
Lab #:	187242	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Field ID:	SS23-COMP	Batch#:	114182
MSS Lab ID:	187242-012	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	mg/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/07/06

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC343028		100.0	100.0	100	80-120		
BSD	QC343029		100.0	99.84	100	80-120	0	20
MS	QC343030	13.06	90.91	90.09	85	57-120		
MSD	QC343031		97.09	98.39	88	57-120	3	20

RPD= Relative Percent Difference

Calscience Environmental Laboratories, Inc.

June 15, 2006

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

Subject: **Calscience Work Order No.: 06-06-0352**
Client Reference: 187242

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/7/2006 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:	06/07/06
2323 Fifth Street		Work Order No:	06-06-0352
Berkeley, CA 94710-2407		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: 187242			Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SS18-COMP	**06-06-0352-1**	**06/05/06**	**Solid**	**06/07/06**	**06/12/06**	**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	56	30-130	

SS30-COMP	**06-06-0352-2**	**06/05/06**	**Solid**	**06/07/06**	**06/13/06**	**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	77	30-130	

SS13-COMP	**06-06-0352-3**	**06/05/06**	**Solid**	**06/07/06**	**06/13/06**	**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	82	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:	06/07/06
Work Order No:	06-06-0352
Preparation:	EPA 8151A
Method:	EPA 8151A

Project 187242

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:	06-06-0352
Preparation:	EPA 8151A
Method:	EPA 8151A

Project: 187242

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: 06-06-0352

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

0352

Project Number: 187242
Site: 280 Acres, 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
SS18-COMP	06/05 11:35	Soil	8150	187242-025	
	Comp-019,020,021,022				
SS30-COMP	06/05 13:40	Soil	8150	187242-094	
	Comp-082,084,085,086				
SS13-COMP	06/05 12:00	Soil	8150	187242-095	
	Comp-088,090,091,093				

Notes:	Relinquished By:	Received By:
	Date/Time: 6/6/6 1614	Date/Time: 6/7/06 0800

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 0 6 - 0 3 5 2

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Curtis

DATE: 6/7/06

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.
4.9 °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

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: 187267
Project ID: STANDARD
Location: 280 Acre Site

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

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

This package may be reproduced only in its entirety.

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**187267**
Client:	**PES Environmental, Inc.**
Location:	**280 Acre Site**
Request Date:	**06/06/06**
Samples Received:	**06/06/06**

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

Pesticides (EPA 8081A):
Low recoveries were observed for 4,4'-DDT in the MS/MSD for batch 114299; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. No other analytical problems were encountered.

Metals (EPA 6010B):
High recovery was observed for lead in the MS for batch 114220; the parent sample was not a project sample, and the BS/BSD were within limits. High RPD was also observed for lead in the MS/MSD for batch 114220; the RPD was acceptable in the BS/BSD. No other analytical problems were encountered.

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

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

CHAIN OF CUSTODY

C & T LOGIN #: 187267

Project No.: 126.055.01.002
Project Name: 280 ave site
Project P.O.:
Turnaround Time: Standard

Sampler: Miguel R., ADW
Report To: Ann Loomis
Company: PES
Telephone: 415-899-1600
Fax: -1601

Analysis: 8081 Pesticides; As 6010B; Pb 6010B; 8151A Herbicides

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste	# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	8081 Pesticides	As 6010B	Pb 6010B	8151A Herbicides
-1	SS-14A-0.5	6-6-06 1120	X			1								
-2	-14B-0.5	1115									X	X	X	X
-3	-14C-0.5	1110												
-4	-14D-0.5	1105												
-5	-14A-1.5	1120									(Hold)			
-6	-14C-1.5	1110									(Hold)			
-7	-29A-0.5	0945												
-8	29B-0.5	0943									X	X	X	
-9	29C-0.5	0932												
-10	29D-0.5	0929												
-11	29C-1.5	0932									(Hold)			
-12	SS-14-Comp													
-13	SS-29-Comp													

Notes: 4 Pt. composite per sample I.D.

SAMPLE RECEIPT: ☐ Intact ☐ Cold ☒ On Ice ☐ Ambient
Preservative Correct? ☐ Yes ☐ No ☐ N/A

RELINQUISHED BY: [signature] 6/6/06 3:50 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY: Lavonna Lifsh 6-6-06 3:15 p.m. DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

C & T LOGIN #: 187267

Sampler: MR, ADN

Project No.: 126.055-01.002

Report To: A Loomis

Project Name: 280 Acre Site, Newark

Company: PES ENV.

Project P.O.:

Telephone: 415-899-1600

Turnaround Time: Standard

Fax: -1601

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	8081 Pesticides	As 6010B	Pb 6010B	8151A Herbicides
-14	SS-34A-0.5	6-6-06 550	X			1								
-15	-34B-0.5	540									X	X	X	X
-16	34C-0.5	1005												
-17	34D-0.5	1005												
-18	34C-1.5	1005									(Hold)			
-19	24A-0.5	1100												
-20	24B-0.5	1054									X	X	X	X
-21	24C-0.5	1050												
-22	24D-0.5	1040												
-23	24B-1.5	1054									(Hold)			
-24	24D-1.5	1040									(Hold)			
-25	SS-34-Comp													
-26	SS-24-Comp													

Notes:
4 pt composite analyses, per sample I.D.#

SAMPLE RECEIPT
☒ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 6/6/06 3:15p
DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 6-6-06 3:15pm
DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

C & T LOGIN #: 187267

Project No.: 126.055.01.002
Project Name: 280 ace site
Project P.O.:
Turnaround Time: Standard

Sampler: M, R, + ADH
Report To: Ann Loomis
Company: PES
Telephone: 415-899-1600
Fax: -1601

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Analysis: 8021 Pesticides	6010B Pb	6010B As	8151A Herbicides
-27	SS 28A -0.5	6-6-06 0920	Y				1									
-28	28B -0.5	0924														
-29	28C -0.5	0955											X	X	X	
-30	28D -0.5	0950														
-31	28D -1.5	0950											(Hold)			
-32	27A -0.5	1030														
-33	27B -0.5	1028														
-34	27C -0.5	1010											X	X	X	
-35	27D -0.5	1023														
-36	27A -1.5	1030											Hold			
-37	SS-28-Comp															
-38	SS-27-Comp															

Notes: 4 Pt. composite Per sample I.D.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 6/6/06 3:15p
DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
Lovanna Cifi 6-6-06 3:15pm.
DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

C & T LOGIN #: 187267

Sampler: MR, ADN

Project No.: 126.055-01.002

Report To: Ann Loomis

Project Name: 280 acre site

Company: PES

Project P.O.:

Telephone: 415-899-1600

Turnaround Time: Standard

Fax: -1601

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	8081 Pesticides	6010 B As	6010 B Pb	8151A Herbicides
-39	SS-26A-0.5	6-6-06 1015	X			1								
-40	26B-0.5	1017									X	X	X	
-41	26C-0.5	1148												
-42	26D-0.5	1150												
-43	26A-1.5	1015									Hold			
-44	26D-1.5	1150									Hold			
-45	35A-0.5	0900												
-46	35B-0.5	0905									X	X	X	
-47	35C-0.5	0917												
-48	35D-0.5	1001												
-49	35B-1.5	0905									Hold			
-50	SS-26-Comp													
-51	SS-35-Comp													

Notes: 4 Pt. composite per sample I.D.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 6/6/06 3:50 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
Lavanna Cafis 6-6-06 3:15 p.m. DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

C & T LOGIN #: 187267

Project No.: 126.055.01.002
Project Name: 280 acre site
Project P.O.:
Turnaround Time: Standard

Sampler: ADM, MR
Report To: Ann Loomis
Company: PES
Telephone: 415-899-1600
Fax: -1601

Analysis: 8081 Pesticides; 6010 B As; 6010 B Pb; 8151A Herbicides

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	8081 Pesticides	6010 B As	6010 B Pb	8151A Herbicides
-52	SS 25 A -0.5	6-6-06 1135	X			1								
-53	25 B -0.5	1037									X	X	X	
-54	25 C -0.5	1200												
-55	25 D -0.5	1156												
-56	25 B -1.5	1037									(Hold)			
-57	25 D -1.5	1200									(Hold)			
-58	SS-25-Comp													

Notes:
4 pt. Composite per sample I.D.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
6/6/06 3:15
DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
Lavanne
6-6-06 3:15 p.m.
DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-14-COMP	Batch#:	114299
Lab ID:	187267-012	Sampled:	06/06/06
Matrix:	Soil	Received:	06/06/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/13/06
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	107	41-123
Decachlorobiphenyl	121	45-140

ND= Not Detected
RL= Reporting Limit

6.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-29-COMP	Batch#:	114299
Lab ID:	187267-013	Sampled:	06/06/06
Matrix:	Soil	Received:	06/06/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/13/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	ND	16
4,4'-DDE	61	16
Endrin	ND	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	ND	16
Endrin aldehyde	ND	16
4,4'-DDT	33	16
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	98	41-123
Decachlorobiphenyl	101	45-140

ND= Not Detected
RL= Reporting Limit

7.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-34-COMP	Batch#:	114299
Lab ID:	187267-025	Sampled:	06/06/06
Matrix:	Soil	Received:	06/06/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/13/06
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	69	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	117	45-140

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-24-COMP	Batch#:	114299
Lab ID:	187267-026	Sampled:	06/06/06
Matrix:	Soil	Received:	06/06/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/13/06
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	109	45-140

ND= Not Detected
RL= Reporting Limit

9.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-28-COMP	Batch#:	114299
Lab ID:	187267-037	Sampled:	06/06/06
Matrix:	Soil	Received:	06/06/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/13/06
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	110	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	29	17
alpha-Chlordane	ND	8.6
gamma-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	ND	300

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

ND= Not Detected
RL= Reporting Limit

10.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-27-COMP	Batch#:	114299
Lab ID:	187267-038	Sampled:	06/06/06
Matrix:	Soil	Received:	06/06/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/14/06
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	23	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	24	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	101	41-123
Decachlorobiphenyl	120	45-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-26-COMP	Batch#:	114299
Lab ID:	187267-050	Sampled:	06/06/06
Matrix:	Soil	Received:	06/06/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/14/06
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	79	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	49	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	100	41-123
Decachlorobiphenyl	121	45-140

ND= Not Detected
RL= Reporting Limit

12.1

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-35-COMP	Batch#:	114299
Lab ID:	187267-051	Sampled:	06/06/06
Matrix:	Soil	Received:	06/06/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/14/06
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	130	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	ND	300

Surrogate	%REC	Limits
TCMX	104	41-123
Decachlorobiphenyl	114	45-140

ND= Not Detected
RL= Reporting Limit

13.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-25-COMP	Batch#:	114299
Lab ID:	187267-058	Sampled:	06/06/06
Matrix:	Soil	Received:	06/06/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/14/06
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	71	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	23	17
Endrin aldehyde	ND	17
4,4'-DDT	77	17
alpha-Chlordane	ND	8.5
gamma-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	110	41-123
Decachlorobiphenyl	120	45-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC343490	Batch#:	114299
Matrix:	Soil	Prepared:	06/11/06
Units:	ug/Kg	Analyzed:	06/12/06
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	87	41-123
Decachlorobiphenyl	94	45-140

ND= Not Detected
RL= Reporting Limit

15.0

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC343491	Batch#:	114299
Matrix:	Soil	Prepared:	06/11/06
Units:	ug/Kg	Analyzed:	06/12/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.20	13.91	105	42-124
Heptachlor	13.20	15.84	120	43-129
Aldrin	13.20	14.26	108	46-122
Dieldrin	26.40	29.50	112	49-130
Endrin	26.40	30.01	114	48-132
4,4'-DDT	26.40	30.25	115	45-142

Surrogate	%REC	Limits
TCMX	99	41-123
Decachlorobiphenyl	100	45-140

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	ZZZZZZZZZZ	Batch#:	114299
MSS Lab ID:	187246-004	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/11/06
Basis:	as received	Analyzed:	06/13/06
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3620B
Lab ID: QC343492

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	0.7975	13.23	12.05	85	47-120
Heptachlor	<0.4310	13.23	13.42	101	47-127
Aldrin	<0.4508	13.23	12.11	92	46-120
Dieldrin	1.134	26.46	25.05	90	48-125
Endrin	<0.9105	26.46	26.25	99	49-130
4,4'-DDT	98.66	26.46	54.98	-165 *	31-145

Surrogate	%REC	Limits
TCMX	91	41-123
Decachlorobiphenyl	92	45-140

Type: MSD Cleanup Method: EPA 3620B
Lab ID: QC343493

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.24	10.84	76	47-120	11	45
Heptachlor	13.24	12.53	95	47-127	7	43
Aldrin	13.24	11.50	87	46-120	5	42
Dieldrin	26.47	22.94	82	48-125	9	41
Endrin	26.47	24.29	92	49-130	8	47
4,4'-DDT	26.47	56.83	-158 *	31-145	3	52

Surrogate	%REC	Limits
TCMX	83	41-123
Decachlorobiphenyl	82	45-140

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

17.0

Curtis & Tompkins, Ltd.

Arsenic

Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Arsenic	Batch#:	114220
Matrix:	Soil	Sampled:	06/06/06
Units:	mg/Kg	Received:	06/06/06
Basis:	as received	Prepared:	06/08/06
Diln Fac:	1.000	Analyzed:	06/08/06

Field ID	Type	Lab ID	Result	RL
SS-14-COMP	SAMPLE	187267-012	7.9	0.25
SS-29-COMP	SAMPLE	187267-013	2.5	0.25
SS-34-COMP	SAMPLE	187267-025	3.0	0.25
SS-24-COMP	SAMPLE	187267-026	7.0	0.25
SS-28-COMP	SAMPLE	187267-037	1.9	0.25
SS-27-COMP	SAMPLE	187267-038	4.2	0.25
SS-26-COMP	SAMPLE	187267-050	5.8	0.25
SS-35-COMP	SAMPLE	187267-051	1.9	0.25
SS-25-COMP	SAMPLE	187267-058	4.2	0.25
	BLANK	QC343162	ND	0.25

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Batch QC Report

Arsenic

Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Arsenic	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	114220
MSS Lab ID:	187246-003	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	mg/Kg	Prepared:	06/08/06
Basis:	as received	Analyzed:	06/08/06

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC343163		50.00	49.86	100	80-120		
BSD	QC343164		50.00	51.59	103	80-120	3	20
MS	QC343165	3.942	45.87	47.08	94	74-120		
MSD	QC343166		40.65	40.74	91	74-120	3	20

RPD= Relative Percent Difference

3.0

Curtis & Tompkins, Ltd.

Lead

Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	114220
Matrix:	Soil	Sampled:	06/06/06
Units:	mg/Kg	Received:	06/06/06
Basis:	as received	Prepared:	06/08/06
Diln Fac:	1.000	Analyzed:	06/08/06

Field ID	Type	Lab ID	Result	RL
SS-14-COMP	SAMPLE	187267-012	35	0.15
SS-29-COMP	SAMPLE	187267-013	8.7	0.15
SS-34-COMP	SAMPLE	187267-025	13	0.15
SS-24-COMP	SAMPLE	187267-026	21	0.15
SS-28-COMP	SAMPLE	187267-037	9.7	0.15
SS-27-COMP	SAMPLE	187267-038	14	0.15
SS-26-COMP	SAMPLE	187267-050	12	0.15
SS-35-COMP	SAMPLE	187267-051	12	0.15
SS-25-COMP	SAMPLE	187267-058	13	0.15
	BLANK	QC343162	ND	0.15

ND= Not Detected
RL= Reporting Limit

4.0

Curtis & Tompkins, Ltd.

Batch QC Report

Lead			
Lab #:	187267	Location:	280 Acre Site
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	114220
MSS Lab ID:	187246-003	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	mg/Kg	Prepared:	06/08/06
Basis:	as received	Analyzed:	06/08/06

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC343163		100.0	93.83	94	80-120		
BSD	QC343164		100.0	97.58	98	80-120	4	20
MS	QC343165	128.5	91.74	323.1	212 *	57-120		
MSD	QC343166		81.30	200.7	89	57-120	42 *	20

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

Calscience Environmental Laboratories, Inc.

June 16, 2006

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

Subject: **Calscience Work Order No.: 06-06-0469**
Client Reference: 187267

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/8/2006 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:	06/08/06
2323 Fifth Street		Work Order No:	06-06-0469
Berkeley, CA 94710-2407		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: 187267			Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SS-14-COMP	**06-06-0469-1**	**06/06/06**	**Solid**	**06/13/06**	**06/16/06**	**060613L11**

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	60	30-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SS-29-COMP	**06-06-0469-2**	**06/06/06**	**Solid**	**06/13/06**	**06/16/06**	**060613L11**

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	127	30-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SS-34-COMP	**06-06-0469-3**	**06/06/06**	**Solid**	**06/13/06**	**06/16/06**	**060613L11**

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	147	30-130	2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SS-24-COMP	**06-06-0469-4**	**06/06/06**	**Solid**	**06/13/06**	**06/16/06**	**060613L11**

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	127	30-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Curtis & Tompkins, Ltd.		Date Received:	06/08/06
2323 Fifth Street		Work Order No:	06-06-0469
Berkeley, CA 94710-2407		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: 187267			Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-033-531**	**N/A**	**Solid**	**06/13/06**	**06/15/06**	**060613L11**

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	

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:	06/08/06
Work Order No:	06-06-0469
Preparation:	EPA 8151A
Method:	EPA 8151A

Project 187267

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-06-0425-7	**Solid**	**GC 0**	**06/13/06**	**06/15/06**	**060613S11**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	105	112	30-130	6	0-30	
2,4,5-T	112	110	30-130	2	0-30	
2,4-DB	117	123	30-130	5	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Curtis & Tompkins, Ltd.		Date Received:	N/A
2323 Fifth Street		Work Order No:	06-06-0469
Berkeley, CA 94710-2407		Preparation:	EPA 8151A
		Method:	EPA 8151A

Project: 187267

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-033-531	**Solid**	**GC 0**	**06/13/06**	**06/15/06**	**060613L11**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	97	101	30-130	4	0-30	
2,4,5-T	125	130	30-130	4	0-30	
2,4-DB	124	129	30-130	4	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-06-0469

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

06-06-0469

Project Number: 187267
Site: 280 Acre Site

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

Results due: Report Level: II

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

	Sample ID	Sampled	Matrix	Analysis	C&T Lab #	Comments
1	SS-14-COMP	06/06 11:20	Soil	8150	187267-012	
		Comp-001,002,003,004				
2	SS-29-COMP	06/06 09:45	Soil	8150	187267-013	
		Comp-007,008,009,010				
3	SS-34-COMP	06/06 10:05	Soil	8150	187267-025	
		Comp-014,015,016,017				
4	SS-24-COMP	06/06 11:00	Soil	8150	187267-026	
		Comp-019,020,021,022				

Notes:	Relinquished By:	Received By:
	[signature]	[signature]
	Date/Time: 6/7/6 1620	Date/Time: 6/8/06 0800

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

Calscience Environmental Laboratories, Inc.

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

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Curtis & Tompkins **DATE:** 6/8/06

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.
4.1 °C IR thermometer.
_____ Ambient temperature.

Initial: HT

CUSTODY SEAL INTACT:

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

Initial: HT

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: HT

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: 187216
Project ID: STANDARD
Location: 280 Acres, 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:	**187216**
Client:	**PES Environmental, Inc.**
Location:	**280 Acres, Newark**
Request Date:	**06/02/06**
Samples Received:	**06/02/06**

This hardcopy data package contains sample and QC results for eleven four-point soil composites, requested for the above referenced project on 06/02/06. 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.

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

CHAIN OF CUSTODY

C & T LOGIN #: 187267

Project No.: 126.055.01.002
Project Name: 280 ave site
Project P.O.:
Turnaround Time: Standard

Sampler: Miguel R., ADH
Report To: Ann Loomis
Company: PES
Telephone: 415-899-1600
Fax: -1601

Analysis: 8081 Pesticides; As 6010B; Pb 6010B; 8151A Herbicides

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	8081 Pesticides	As 6010B	Pb 6010B	8151A Herbicides
-1	SS-14A-0.5	6-6-06 1120	X			1								
-2	-14B-0.5	1115									X	X	X	X
-3	-14C-0.5	1110												
-4	-14D-0.5	1105												
-5	-14A-1.5	1120									(Hold)			
-6	-14C-1.5	1110									(Hold)			
-7	-29A-0.5	0945												
-8	29B-0.5	0943												
-9	29C-0.5	0932									X	X	X	
-10	29D-0.5	0929												
-11	29C-1.5	0932									(Hold)			
-12	SS-14-Comp													
-13	SS-29-Comp													

Notes: 4 pt. composite per sample I.D.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME
[signature]	6/6/06 3:15p	Lavonna Luter	6-6-06 3:15p.m.

SIGNATURE

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

CHAIN OF CUSTODY

C & T LOGIN #: 187267

Sampler: MR, ADN

Project No.: 126.055-01.002 **Report To:** A Loomis

Project Name: 280 Acre Site, Newark **Company:** PES ENV.

Project P.O.: **Telephone:** 415-899-1600

Turnaround Time: Standard **Fax:** -1601

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	8081 Pesticides	As 6010B	Pb 6010B	8151A Herbicides
-14	SS-34A-0.5	6-6-06 850	X			1								
-15	-34B-0.5	940									X	X	X	X
-16	34C-0.5	1005												
-17	34D-0.5	1005												
-18	34C-1.5	1005									(Hold)			
-19	24A-0.5	1100												
-20	24B-0.5	1054									X	X	X	X
-21	24C-0.5	1050												
-22	24D-0.5	1040												
-23	24B-1.5	1054									(Hold)			
-24	24D-1.5	1040									(Hold)			
-25	SS-34-Comp													
-26	SS-24-Comp													

Notes:
4 pt. composite analyses, per sample I.D.#

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 6/6/06 3:15p
DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 6-6-06 3:15pm
DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

C & T LOGIN #: 187267

Project No.: 126.055.01.002
Project Name: 280 ave site
Project P.O.:
Turnaround Time: Standard

Sampler: M, R, + ADH
Report To: Ann Loomis
Company: PES
Telephone: 415-899-1600
Fax: -1601

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Analysis: 8081 Pesticides	6010B Pb	6010B As	8151A Herbicides
-27	SS 28A -0.5	6-6-06 0920	Y				1									
-28	28B -0.5	0924														
-29	28C -0.5	0955											X	X	X	
-30	28D -0.5	0950														
-31	28D -1.5	0950											(Hold)			
-32	27A -0.5	1030														
-33	27B -0.5	1028														
-34	27C -0.5	1010											X	X	X	
-35	27D -0.5	1023														
-36	27A -1.5	1030											Hold			
-37	SS-28-Comp															
-38	SS-27-Comp															

Notes: 4 pt. composite
Per sample I.D.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY: [signature] 6/6/06 3:15p DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY: Lavanna Cifis 6-6-06 3:15pm. DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

C & T LOGIN #: 187267

Project No.: 126.055-01.002
Project Name: 280 acre site
Project P.O.:
Turnaround Time: Standard

Sampler: MA, ADM
Report To: Ann Loomis
Company: PES
Telephone: 415-899-1600
Fax: -1601

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste	# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	Analysis: 8081 Pesticides	6010 B As	6010 B Pb	8151A Herbicides
-39	SS-26A-0.5	6-6-06 1015	X			1								
-40	26B-0.5	1017									X	X	X	
-41	26C-0.5	1148												
-42	26D-0.5	1150												
-43	26A-1.5	1015									Hold			
-44	26D-1.5	1150									Hold			
-45	35A-0.5	0900												
-46	35B-0.5	0905									X	X	X	
-47	35C-0.5	0917												
-48	35D-0.5	1001												
-49	35B-1.5	0905									Hold			
-50	SS-26-Comp													
-51	SS-35-Comp													

Notes: 4 pt. composite per sample I.D.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY: [signature] 6/6/06 3:50 DATE / TIME

RECEIVED BY: Lavanna Cofis 6-6-06 3:15 p.m. DATE / TIME

DATE / TIME

DATE / TIME

DATE / TIME

DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

C & T LOGIN #: 187267

Project No.: 126.055.01.002
Project Name: 280 ave site
Project P.O.:
Turnaround Time: Standard

Sampler: ADM, MR
Report To: Ann Loomis
Company: PES
Telephone: 415-899-1600
Fax: -1601

Analysis: 8081 Pesticides; 6010 B As; 6010 B Pb; 8151A Herbicides

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	8081 Pesticides	6010 B As	6010 B Pb	8151A Herbicides
-52	SS 25 A -0.5	6-6-06 1135	X			1								
-53	25 B -0.5	1037												
-54	25 C -0.5	1200									X	X	X	
-55	25 D -0.5	1156												
-56	25 B -1.5	1037									(Hold)			
-57	25 D -1.5	1200									(Hold)			
-58	SS-25-Comp													

Notes:
4 pt. Composite per sample I.D.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
6/6/06 3:15
DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
Lavanne
6-6-06 3:15 p.m.
DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-1-COMP	Batch#:	114263
Lab ID:	187216-012	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/09/06
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	2.6 C	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	19	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	8.8	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	40 #	3.3
gamma-Chlordane	ND	1.7
alpha-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	60

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

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

6.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-2-COMP	Batch#:	114263
Lab ID:	187216-013	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/13/06
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	240 C	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	20 #	17
Endrin aldehyde	ND	17
4,4'-DDT	180	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	93	41-123
Decachlorobiphenyl	97	45-140

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

7.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-3-COMP	Batch#:	114263
Lab ID:	187216-024	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Result	RL	Diln Fac	Analyzed
alpha-BHC	ND	8.5	5.000	06/13/06
beta-BHC	ND	8.5	5.000	06/13/06
gamma-BHC	ND	8.5	5.000	06/13/06
delta-BHC	ND	8.5	5.000	06/13/06
Heptachlor	ND	8.5	5.000	06/13/06
Aldrin	ND	8.5	5.000	06/13/06
Heptachlor epoxide	ND	8.5	5.000	06/13/06
Endosulfan I	ND	8.5	5.000	06/13/06
Dieldrin	ND	17	5.000	06/13/06
4,4'-DDE	470	33	10.00	06/14/06
Endrin	ND	17	5.000	06/13/06
Endosulfan II	ND	17	5.000	06/13/06
Endosulfan sulfate	ND	17	5.000	06/13/06
4,4'-DDD	35 #	17	5.000	06/13/06
Endrin aldehyde	ND	17	5.000	06/13/06
4,4'-DDT	240	17	5.000	06/13/06
alpha-Chlordane	ND	8.5	5.000	06/13/06
gamma-Chlordane	ND	8.5	5.000	06/13/06
Methoxychlor	ND	85	5.000	06/13/06
Toxaphene	ND	300	5.000	06/13/06

Surrogate	%REC	Limits	Diln Fac	Analyzed
TCMX	83	41-123	5.000	06/13/06
Decachlorobiphenyl	93	45-140	5.000	06/13/06

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-4-COMP	Batch#:	114263
Lab ID:	187216-025	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/13/06
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	530 C	33
Endrin	ND	33
Endosulfan II	ND	33
Endosulfan sulfate	ND	33
4,4'-DDD	ND	33
Endrin aldehyde	ND	33
4,4'-DDT	110	33
gamma-Chlordane	ND	17
alpha-Chlordane	ND	17
Methoxychlor	ND	170
Toxaphene	ND	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

9.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-COMP-5	Batch#:	114263
Lab ID:	187216-036	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/13/06
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	370 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	64	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	82	41-123
Decachlorobiphenyl	91	45-140

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

10.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-COMP-6	Batch#:	114263
Lab ID:	187216-037	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Result	RL	Diln Fac	Analyzed
alpha-BHC	ND	8.5	5.000	06/13/06
beta-BHC	ND	8.5	5.000	06/13/06
gamma-BHC	ND	8.5	5.000	06/13/06
delta-BHC	ND	8.5	5.000	06/13/06
Heptachlor	ND	8.5	5.000	06/13/06
Aldrin	ND	8.5	5.000	06/13/06
Heptachlor epoxide	ND	8.5	5.000	06/13/06
Endosulfan I	ND	8.5	5.000	06/13/06
Dieldrin	ND	17	5.000	06/13/06
4,4'-DDE	540	33	10.00	06/14/06
Endrin	ND	17	5.000	06/13/06
Endosulfan II	ND	17	5.000	06/13/06
Endosulfan sulfate	ND	17	5.000	06/13/06
4,4'-DDD	18 #	17	5.000	06/13/06
Endrin aldehyde	ND	17	5.000	06/13/06
4,4'-DDT	93	17	5.000	06/13/06
alpha-Chlordane	ND	8.5	5.000	06/13/06
gamma-Chlordane	ND	8.5	5.000	06/13/06
Methoxychlor	ND	85	5.000	06/13/06
Toxaphene	ND	300	5.000	06/13/06

Surrogate	%REC	Limits	Diln Fac	Analyzed
TCMX	80	41-123	5.000	06/13/06
Decachlorobiphenyl	98	45-140	5.000	06/13/06

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-7-COMP	Batch#:	114263
Lab ID:	187216-048	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/13/06
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	240 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	96	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	92	41-123
Decachlorobiphenyl	102	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-8-COMP	Batch#:	114263
Lab ID:	187216-049	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/13/06
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	190 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	31	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	82	41-123
Decachlorobiphenyl	94	45-140

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

13.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-9-COMP	Batch#:	114263
Lab ID:	187216-060	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/13/06
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	160 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	45	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	86	41-123
Decachlorobiphenyl	95	45-140

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

14.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-10-COMP	Batch#:	114263
Lab ID:	187216-061	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/13/06
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	55 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
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	91	41-123
Decachlorobiphenyl	94	45-140

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

15.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-11-COMP	Batch#:	114263
Lab ID:	187216-068	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/11/06
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	43	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	3.5 #	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	7.5 #	3.3
gamma-Chlordane	ND	1.7
alpha-Chlordane	ND	1.7
Methoxychlor	ND #	17
Toxaphene	ND	60

Surrogate	%REC	Limits
TCMX	86	41-123
Decachlorobiphenyl	69	45-140

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

16.0

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC343358	Batch#:	114263
Matrix:	Soil	Prepared:	06/09/06
Units:	ug/Kg	Analyzed:	06/10/06
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	60

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

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

17.0

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC343359	Batch#:	114263
Matrix:	Soil	Prepared:	06/09/06
Units:	ug/Kg	Analyzed:	06/10/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.37	9.405	70	42-124
Heptachlor	13.37	9.791	73	43-129
Aldrin	13.37	9.840	74	46-122
Dieldrin	26.75	21.58	81	49-130
Endrin	26.75	21.29	80	48-132
4,4'-DDT	26.75	21.68 #	81	45-142

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

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

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-1-COMP	Batch#:	114263
MSS Lab ID:	187216-012	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/09/06
Basis:	as received	Analyzed:	06/10/06
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3620B
Lab ID: QC343360

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<0.1983	13.40	13.02	97	47-120
Heptachlor	0.3633	13.40	12.97	94	47-127
Aldrin	<0.2676	13.40	11.80	88	46-120
Dieldrin	<0.3128	26.80	21.99	82	48-125
Endrin	<0.5785	26.80	24.37	91	49-130
4,4'-DDT	40.28	26.80	58.37 #	67	31-145

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

Type: MSD Cleanup Method: EPA 3620B
Lab ID: QC343361

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.35	13.10	98	47-120	1	45
Heptachlor	13.35	13.07	95	47-127	1	43
Aldrin	13.35	12.16	91	46-120	3	42
Dieldrin	26.70	23.28	87	48-125	6	41
Endrin	26.70	26.01	97	49-130	7	47
4,4'-DDT	26.70	62.19 #	82	31-145	6	52

Surrogate	%REC	Limits
TCMX	89	41-123
Decachlorobiphenyl	86	45-140

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

Curtis & Tompkins, Ltd.

Arsenic

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Arsenic	Batch#:	114180
Matrix:	Soil	Sampled:	06/02/06
Units:	mg/Kg	Received:	06/02/06
Basis:	as received	Prepared:	06/07/06
Diln Fac:	1.000	Analyzed:	06/07/06

Field ID	Type	Lab ID	Result	RL
SS-1-COMP	SAMPLE	187216-012	8.3	0.25
SS-2-COMP	SAMPLE	187216-013	6.7	0.25
SS-3-COMP	SAMPLE	187216-024	6.9	0.25
SS-4-COMP	SAMPLE	187216-025	5.7	0.25
SS-COMP-5	SAMPLE	187216-036	4.8	0.25
SS-COMP-6	SAMPLE	187216-037	3.9	0.25
SS-7-COMP	SAMPLE	187216-048	2.4	0.25
SS-8-COMP	SAMPLE	187216-049	1.9	0.25
SS-9-COMP	SAMPLE	187216-060	2.7	0.25
SS-10-COMP	SAMPLE	187216-061	3.9	0.25
SS-11-COMP	SAMPLE	187216-068	1.9	0.25
	BLANK	QC343015	ND	0.25

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Batch QC Report

Arsenic

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Arsenic	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	114180
MSS Lab ID:	187253-001	Sampled:	06/06/06
Matrix:	Soil	Received:	06/06/06
Units:	mg/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/07/06

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC343016		50.00	51.37	103	80-120		
BSD	QC343017		50.00	52.41	105	80-120	2	20
MS	QC343018	2.596	32.26	35.61	102	74-120		
MSD	QC343019		44.64	45.26	96	74-120	6	20

RPD= Relative Percent Difference

3.0

Curtis & Tompkins, Ltd.

Lead

Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	114180
Matrix:	Soil	Sampled:	06/02/06
Units:	mg/Kg	Received:	06/02/06
Basis:	as received	Prepared:	06/07/06
Diln Fac:	1.000	Analyzed:	06/07/06

Field ID	Type	Lab ID	Result	RL
SS-1-COMP	SAMPLE	187216-012	19	0.15
SS-2-COMP	SAMPLE	187216-013	15	0.15
SS-3-COMP	SAMPLE	187216-024	11	0.15
SS-4-COMP	SAMPLE	187216-025	14	0.15
SS-COMP-5	SAMPLE	187216-036	14	0.15
SS-COMP-6	SAMPLE	187216-037	15	0.15
SS-7-COMP	SAMPLE	187216-048	17	0.15
SS-8-COMP	SAMPLE	187216-049	9.2	0.15
SS-9-COMP	SAMPLE	187216-060	10	0.15
SS-10-COMP	SAMPLE	187216-061	12	0.15
SS-11-COMP	SAMPLE	187216-068	10	0.15
	BLANK	QC343015	ND	0.15

ND= Not Detected
RL= Reporting Limit

4.0

Curtis & Tompkins, Ltd.

Batch QC Report

Lead			
Lab #:	187216	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	114180
MSS Lab ID:	187253-001	Sampled:	06/06/06
Matrix:	Soil	Received:	06/06/06
Units:	mg/Kg	Prepared:	06/07/06
Basis:	as received	Analyzed:	06/07/06

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC343016		100.0	99.11	99	80-120		
BSD	QC343017		100.0	101.4	101	80-120	2	20
MS	QC343018	10.82	64.52	65.93	85	57-120		
MSD	QC343019		89.29	86.37	85	57-120	1	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.: 06-06-0261**
Client Reference: 187216

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/6/2006 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:	06/06/06
2323 Fifth Street		Work Order No:	06-06-0261
Berkeley, CA 94710-2407		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: 187216			Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SS-1-COMP	**06-06-0261-1**	**06/02/06**	**Solid**	**06/07/06**	**06/12/06**	**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	123	30-130	

SS-2-COMP	**06-06-0261-2**	**06/02/06**	**Solid**	**06/07/06**	**06/12/06**	**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	101	30-130	

SS-COMP-5	**06-06-0261-3**	**06/02/06**	**Solid**	**06/07/06**	**06/12/06**	**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	80	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.		Date Received:	06/06/06
2323 Fifth Street		Work Order No:	06-06-0261
Berkeley, CA 94710-2407		Preparation:	EPA 8151A
		Method:	EPA 8151A

Project 187216

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.		Date Received:	N/A
2323 Fifth Street		Work Order No:	06-06-0261
Berkeley, CA 94710-2407		Preparation:	EPA 8151A
		Method:	EPA 8151A

Project: 187216

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: 06-06-0261

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

0261

Project Number: 187216
Site: 280 Acres, 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
SS-1-COMP	06/02 13:18	Soil	8150	187216-012	
	Comp-001,002,004,005				
SS-2-COMP	06/02 13:42	Soil	8150	187216-013	
	Comp-006,007,009,011				
SS-COMP-5	06/02 14:07	Soil	8150	187216-036	
	Comp-026,027,029,030				

Notes:	Relinquished By:	Received By:
	Date/Time: 6.5.06 1620	Date/Time: 6/6/06 0800

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 0 6 - 0 2 6 1

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: C&T **DATE:** 6/6/06

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: [illegible]

CUSTODY SEAL INTACT:

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

Initial: [illegible]

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: [illegible]

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: 05-JUL-06
Lab Job Number: 187541
Project ID: STANDARD
Location: 280 Acres, 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:	**187541**
Client:	**PES Environmental, Inc.**
Location:	**280 Acres, Newark**
Request Date:	**06/20/06**
Samples Received:	**06/02/06, 06/05/06**

This hardcopy data package contains sample and QC results for twenty one soil samples, requested for the above referenced project on 06/20/06. The samples were received cold and intact.

Pesticides (EPA 8081A):

Many samples were requested and prepared outside of hold time; affected data was qualified with "b". No other analytical problems were encountered.

Lisa Brooker 187541

From: "Ann Loomis" <aloomis@pesenv.com>
To: "Lisa Brooker (E-mail)" <lisa@ctberk.com>
Sent: Monday, June 19, 2006 2:06 PM
Subject: Additional analyses - 280-acre property

Lisa,

We need to perform the following analyses for the 280-acre property (PES job # 126-055-01-002):

Analyze for organochlorine pesticides by 8081A the four discrete samples that made up each of the following composites:

1 → -004 SS-3-COMP 187216-014, -015, -017, -018
5 → -008 SS-4-COMP 187216-019, -020, -021, -022
1 → -012 SS-6-COMP 187216-031, -032, -033, -034
3 → -016 SS-16-COMP 187242-026, -027, -028, -030
7 → -020 SS-17-COMP 187242-038, -040, -041, -042
025 SS-20-COMP 187242-050, -051, -052, ~~-053~~ -054

Thanks!

Ann Loomis
Senior Engineer
PES Environmental, Inc.
(415) 899-1600

Error on original login. Need to Reconposite SS-20-COMP. Should be composite of -050, -051, -052, -054. Recomp and report. Do not run discrete yet per Ann Loomis. 6/20/06 LB.

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

CHAIN OF CUSTODY

Page ___ of ___

C & T LOGIN #: 187216

Project No.: 126.055.01.002
Project Name: 280 Acres, Newark
Project P.O.:
Turnaround Time: Standard

Sampler: JN, MR, CS
Report To: A Loomis
Company: PES
Telephone: 415 899 1600
Fax: -1601

Analysis: 8081 Pesticides; As 6010B; Pb 6010B; 8151A Herbicides

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		8081 Pesticides	As 6010B	Pb 6010B	8151A Herbicides
-1	SS-1A-0.5	6-2-06 1318	X				1									
-2	1B-0.5	1305														
-3	1B-1.5	1310														
-4	1C-0.5	1311											HOLD			
-5	1D 0.5	1311														
-6	2A-0.5	1250														
-7	2B-0.5	1148														
-8	2B-1.5	1150														
-9	2C-0.5	1337											HOLD			
-10	2C-1.5	1339														
-11	2D-0.5	1342											HOLD			
-12	SS-1-Comp															
-13	SS-2-Comp															

Notes:
4 pt. Composite analyses, per sample ID # (1,2)

SAMPLE RECEIPT
☑ Intact ☑ Cold
☐ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 6-2-06 1115 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 6/2/06 5:15 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

C & T LOGIN #: 187216

Project No.: 126.055 01.002
Project Name: 280 Acres, Newark
Project P.O.:
Turnaround Time: Standard

Sampler: AN MR, CB
Report To: A Loomis
Company: PES
Telephone: 415-899-1600
Fax: 1601

Analysis: 8081 Pesticides; 6010B As; 6010B Pb; 8151A Herbicides

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		8081 Pesticides	6010B As	6010B Pb	8151A Herbicides
-14	SS 3A-0.5	6.2.06 1145	X				1									
-15	3B-0.5	1136														
-16	3B 1.5	1140														
-17	3C-0.5	1346											HOLD			
-18	3D-0.5	1348														
-19	4A-0.5	1135														
-20	4B-0.5	1130														
-21	4C-0.5	1352														
-22	4D-0.5	1357														
-23	4D-1.5	1359											HOLD			
-24	SS-3 -Comp															
-25	SS 4-Comp															

Notes:
4 pt. Composite analyses, per sample ID# (3,4)

SAMPLE RECEIPT
☑ Intact ☑ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
SIGNATURE — DATE / TIME: 6-2-06 1715
DATE / TIME
DATE / TIME

RECEIVED BY:
Paul Ingram — DATE / TIME: 6-2/06 5:15
DATE / TIME
DATE / TIME

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

CHAIN OF CUSTODY

C & T LOGIN #: 187216

Sampler: AN, MR, CB

Project No.: 126.055.01.002

Report To: Ann Loomis

Project Name: 280 acres, Newark

Company: PES

Project P.O.:

Telephone: 415-899-1600

Turnaround Time: STAT

Fax: -1601

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Analysis: 8081 Pesticides	Analysis: 6010B As	Analysis: 6010B Pb	Analysis: 8151A Herbicides
-26	SS-5A-0.5	6-2-06 1123	X			1					/	/	/	/
-27	-5B-0.5	1115									/	/	/	/
-28	-5B-1.5	1120									HOLD			
-29	-5C-0.5	1403									/	/	/	/
-30	-5D-0.5	1407									/	/	/	/
-31	-6A-0.5	1108									/	/	/	/
-32	6B-0.5	1105									/	/	/	/
-33	6C-0.5	1414									/	/	/	/
-34	6D-0.5	1418									/	/	/	/
-35	6D-~~0~~.5	1420									HOLD			
-36	SS-Comp-5													
-37	SS-Comp-6													

Notes: 4 pt. composite per sample I.D.# (5, 6)

SAMPLE RECEIPT
☑ Intact ☑ Cold
☑ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 6-2-06 1115 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 6/2/06 5:15 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

Page ____ of ____

C & T LOGIN #: 187216

Project No.: 126.055.01.001
Project Name: 280 acres, Newark
Project P.O.:
Turnaround Time: S.T.A.T.

Sampler: AH, MR, CB
Report To: Ann Loomis
Company: PES
Telephone: 415-899-1600
Fax: -1601

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	Analysis: 8081 Pesticides	Analysis: 6010B As	Analysis: 6010B Pb	Analysis: 8151A Herbicides
-38	SS-7A-0.5	6-2-06 1100	X			1								
-39	-7B-0.5	1045												
-40	-7B-1.5	1050												
-41	-7C-0.5	1426												
-42	-7D-0.5	1432												
-43	-8A-0.5	1035												
-44	-8B-0.5	1020												
-45	-8C-0.5	1436												
-46	-8D-0.5	1439												
-47	-8D 1.5	1441												
-48	SS-7-Comp													
-49	SS-8-Comp													

HOLD

HOLD

Notes: 4 Pt. Composite per sample I.D. # (7, 8)

SAMPLE RECEIPT
☑ Intact ☑ Cold
☑ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
[signature] 6-2-06 1715
DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
[signature] 6/2/06 5:15
DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

C & T LOGIN #: 187216

Project No.: 126.055.01002
Project Name: 280 acres, Newark
Project P.O.:
Turnaround Time: S.T.A.T.

Sampler: AH, MR, CB
Report To: Ann Loomis
Company: PES
Telephone: 415-899-1600
Fax: -1601

Analysis: 8081 Pesticides; 6010B As; 6010B Pb; 8151A Herbicides

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		8081 Pesticides	6010B As	6010B Pb	8151A Herbicides
-50	SS-9A-0.5	6-2-06 1015	X				1									
-51	9B-0.5	1005														
-52	9B-1.5	1010														
-53	9C-0.5	1446														
-54	9D-0.5	1450														
-55	10A-0.5	0940														
-56	10B-0.5	0915														
-57	10B-1.5	0917														
-58	10C-0.5	0930														
-59	10D-0.5	0945														
-60	SS-9-Comp															
-61	SS-10-Comp															

Notes: 4 Pt. composite Per sample I.D. # (9,10)

SAMPLE RECEIPT: ☑ Intact ☑ Cold ☑ On Ice ☐ Ambient
Preservative Correct? ☐ Yes ☐ No ☐ N/A

RELINQUISHED BY: [signature] 6-2-06 17:15 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY: [signature] 6/2/06 5:15 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

C & T LOGIN #: 187246

Sampler: AM, MR, CB

Project No.: 126.055.01.002

Report To: Ann Loomis

Project Name: 280 acres, Newark

Company: PES

Project P.O.:

Telephone: 415-899-1600

Turnaround Time: STAT

Fax: -1601

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	Matrix:	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE		8081 Pesticides	6010B As	6010B Pb	8151A Herbicides
-62	SS-11A -0.5	6-2-06 1508	X				1									
-63	-11B -1.5	1510											H	O	L	D
-64	11B -0.5	1454														
-65	11B -1.5	1456											H	O	L	D
-66	11C -0.5	1500														
-67	11D -0.5	1503														
-68	SS-11-Comp															

Notes:
4 pt. Composite analyses per sample ID #

SAMPLE RECEIPT
☑ Intact ☑ Cold
☑ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
6-2-06 17:15 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
6/2/06 5:15 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

C & T LOGIN #: 187242

Project No.: 126.055-01.002
Project Name: 280 Acre, Newark
Project P.O.:
Turnaround Time: Standard

Sampler: AN, MR, CB
Report To: A. Loomis
Company: PES Env.
Telephone: 415-899-1600
Fax: -1601

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		8081 Pesticides	Pb 6010B	As 6010B	8151A Herbicides
-26	SS-16A-0.5	6-5-06 1005	X				1									
-27	SS-16B-0.5	1010														
-28	SS-16C-0.5	1145														
-29	SS-16C-1.5	1145														
-30	SS-16D-0.5	1140														
-31	SS-19A-0.5	1020														
-32	SS-19A-1.5	1020														
-33	SS-19B-0.5	1025														
-34	SS-19C-0.5	1125														
-35	SS-19C-0.5	1120														
	*Labeled SS-19D-0.5, I'd'd by time		PP													
-36	SS-16-Comp															
-37	SS-19-Comp															

HOLD

~~HOLD~~

Notes: 4 pt. composite Analyses, per sample ID#

SAMPLE RECEIPT: ☐ Intact ☐ Cold ☐ On Ice ☐ Ambient
Preservative Correct? ☐ Yes ☐ No ☐ N/A

RELINQUISHED BY: 6-5-06 15:30 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY: Lavanna Curtis 6-5-06 4:11 p.m. DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

PES Environmental, Inc.
Engineering & Environmental Services

187246

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis + Tompkins
JOB NUMBER: 126.055.01.002
NAME / LOCATION: 280 acres, Novato
PROJECT MANAGER: Ann Loomis

SAMPLERS: AH, MR, CB
RECORDER: ADH

	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	6010B As	6010B Pb	8151A Herbicides
-38	06	06	05	1010	SS17A-0.5			X							0.5									/			
-39				1010	SS17A-1.5										1.5	HOLD											
-40				1015	SS17B-0.5										0.5									/	/	/	
-41				1140	SS17C-0.5										0.5									/	/	/	
-42				1135	SS17D-0.5										0.5									/	/	/	
-43				1043	SS21A-0.5										0.5									/	/	/	
-44				1043	SS21A-1.5										1.5	HOLD								/	/	/	
-45				1040	SS-21B-0.5										0.5									/	/	/	
-46				1010	SS-21C-0.5										0.5									/	/	/	
-47				1105	SS-21D-0.5										0.5									/	/	/	
-48					SS17-Comp																						
-49					SS21-Comp																						

NOTES

Turn Around Time: 4 pt. composite per sample ID
Standard T.A.T.

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature]	[signature]	6-5-96	16:00
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) / DATE / TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:			

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

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

CHAIN OF CUSTODY

C & T LOGIN #: 187242

Project No.: 126.055.01.002
Project Name: 280 acres, Newark
Project P.O.:
Turnaround Time: Standard

Sampler: ADN, MR, CG
Report To: Ann Loomis
Company: PES
Telephone: 415-899-1600
Fax: -1601

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	8081 Pesticides	6010B As	6010B Pb	8151A Herbicides
-1	SS23A-0.5	6/5/06 1050	X			1								
-2	23B-0.5	1155												
-3	23C-0.5	1415									X	X	X	
-4	23D-0.5	1420												
-5	23A-1.5	1050									Hold			
-6	23C-1.5	1415									HOLD			
-7	32A-0.5	1355												
-8	32B-0.5	1400												
-9	32C-0.5	1400									X	X	X	
-10	32D-0.5	1400												
-11	32D-1.5	1400									Hold			
-12	SS23-Comp													
-13	SS32-Comp													

Notes: 4 pt. composite analysis per sample ID

SAMPLE RECEIPT
☐ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY: [signature] 6/5/06/1530 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY: [signature] 6.5.06 4:11pm DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

C & T LOGIN #: 187242

Project No.: 80 Acres, Novato
Project Name: 126.055.9.002
Project P.O.:
Turnaround Time: Standard

Sampler: AN & MR
Report To: A. Loomis
Company: PES Env.
Telephone: 415-899-1600
Fax: -1601

Analysis: 1,8081 pesticides; 1,8151A Herbicides; 1,8260B; 1,8260B

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	1,8081 pesticides	1,8151A Herbicides	1,8260B	1,8260B
-14	SS-31A-0.5	6-5-06 1345	X											
-15	SS-31B-0.5	1350												
-16	SS-31C-0.5	1350									X	X	X	
-17	SS-31D-0.5	1352												
-18	SS-31B-1.5	1350	X											
-19	SS-18A-0.5	1015									Hold			
-20	SS-18B-0.5	1018												
-21	SS-18C-0.5	1135									X	X	X	X
-22	SS-18D-0.5	1130												
-23	SS-18E-0.5	1135												
-24	SS-31[redacted]-Comp										Hold			
-25	SS-18-Comp													

Notes:
4 pt. composite analyses, per sample ID #'s

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
6-5-06 1530 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
6-5-06 4:11p DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

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

CHAIN OF CUSTODY

Page ___ of ___

C & T LOGIN #: 187242

Sampler: AN, MR

Project No.: 26.053.01.002

Report To: A Loomis

Project Name: 280 Acres, Newark

Company: PES Env.

Project P.O.:

Telephone: 415-899-1600

Turnaround Time: Standard

Fax: -1601

Analysis

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservative: HCL	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: ICE	8081 Pesticides	Pb 6010B	As 6010B	8151A Herbicides
-50	SS-20A-0.5	06-05-06 1015				1								
-51	SS-20B-0.5	1115												
-52	SS-20C-0.5	1115												
-53	SS-20C-1.5	1115									HOLD			
-54	SS-20D-0.5	1115												
-55	SS-12A-0.5	1215												
-56*	SS-12B-1.5	1215									HOLD			
-57	SS-12C-0.5	1210												
-58	SS-12D-0.5	1205												
-59	SS-12D-1.5	1205									HOLD			
-60	SS-12B-0.5	1215												
-61	SS-20-Comp													
-62	SS12-Comp													

Notes:
Not composite
per analyses
per sample ID
*Labeled SS-12A-1.5, Id'd by time

SAMPLE RECEIPT
☐ Chilled ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:

SIGNATURE	DATE / TIME	**RECEIVED BY:**	DATE / TIME
[signature]	6-5-06 15:30	[signature]	6-5-06 4:11pm
	DATE / TIME		DATE / TIME
	DATE / TIME		DATE / TIME

PES Environmental, Inc. 18T242 CHAIN OF CUSTODY RECORD

Engineering & Environmental Services

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

LABORATORY: [illegible]

SAMPLERS: [illegible]

JOB NUMBER: [illegible]

NAME / LOCATION: [illegible]

PROJECT MANAGER: [illegible]

RECORDER: [illegible]

	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)	Sc Ti Pb	As Cr Cu	Pb Ni Zn	Cu Ni Zn
-63	06	06	05	1045	SS-22A										0.5												
-64				1050	SS-B																						
-65				1110	SS-C																			X	X	X	
-66				1100	SS-D																						
-67				1110	SS-C										1.5												
-68					SS-22-Comp											Hold											

NOTES

Turn Around Time: Standard

3pt composite analysis as indicated

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature]	[signature]	6/5/16	1600
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: In Person @ Lab.

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

PES Environmental, Inc. 187242
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: [illegible]
NAME / LOCATION: [illegible]
PROJECT MANAGER: [illegible]
SAMPLERS: [illegible]
RECORDER: MA

	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)	8015 / [illegible]	As [illegible]	Pb [illegible]	[illegible]
-69	06	06	05	1405	SS-33-A-0.5			X							0.5												
-70				1407	SS-33-B-0.5																						
-71				1410	SS-33-C-0.5																		X	X	X		
-72				1415	SS-33-D-0.5																						
-73				1407	SS-33-B-1.5										1.5	HOLD											
-74				1415	SS-33-D-1.5										1.5	HOLD											
-75				1005	SS-15-A-0.5										0.5												
-76				1005	SS-15-B-0.5																		X	X	X		
-77				1147	SS-15-C-0.5																						
-78				1145	SS-15-D-0.5																						
-79				1005	SS-15-A-1.5										1.5												
-80					SS-33-Comp																						
-81					SS-15-Comp																						

NOTES

Turn Around Time: Standard

3 pt composite analyses as indicated

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
[signature] / [illegible]	[signature]	6-5-08	4:11 pm
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: In person @ lab

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

PES Environmental, Inc.
Engineering & Environmental Services

187242

CHAIN OF CUSTODY RECORD

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

LABORATORY: [illegible]
SAMPLERS: [illegible]
JOB NUMBER: [illegible]
NAME / LOCATION: [illegible]
PROJECT MANAGER: 250 [illegible], Novato
RECORDER: MR / CB

	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)	[illegible]	As	Pb	[illegible]	[illegible]
-82	06	06	05	1330	SS-30A-0.5			X							0.5								X	X	X	X			
-83	06	06		1330	SS-30A-1.5			X							1.5	HOLD													
-84	06	06		1335	SS-30B-0.5			X							0.5								X	X	X	X			
-85	06	06		1335	SS-30C-0.5										0.5								X	X	X	X			
-86	06	06		1340	SS-30D-0.5										0.5								X	X	X	X			
-87	06	06		1340	SS-30D-1.5										1.5	HOLD													
-88	06	06		1200	SS-13A-0.5										0.5								X	X	X				
-89	06	06		1200	SS-13A-1.5										1.5	HOLD													
-90	06	06		1155	SS-13B-0.5										0.5								X	X	X				
-91	06	06		1150	SS-13C-0.5										0.5								X	X	X				
-92	06	06		1150	SS-13C-1.5										1.5	HOLD													
-93	06	06		1000	SS-13D-0.5										0.5								X	X	X				
-94					SS-30-Comp																								
-95					SS-13-Comp																								

NOTES

Turn Around Time: Standard turnaround

4pt composite analysis as indicated (30, 13)

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE 6-5-06	TIME 15:45
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:			

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-3A-0.5	Batch#:	114577
Lab ID:	187541-001	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/21/06
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	330 C b	17
Endrin	ND b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	18 # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	82 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	85 b	41-123
Decachlorobiphenyl	87 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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-3B-0.5	Batch#:	114577
Lab ID:	187541-002	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/21/06
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	520 C b	17
Endrin	ND b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	26 C # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	130 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	79 b	41-123
Decachlorobiphenyl	88 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

3.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-3C-0.5	Batch#:	114577
Lab ID:	187541-003	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/21/06
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	330 C b	17
Endrin	ND b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	24 C # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	56 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	92 b	41-123
Decachlorobiphenyl	92 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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-3D-0.5	Batch#:	114577
Lab ID:	187541-004	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/21/06
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	410 C b	17
Endrin	ND b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	28 C # b	17
Endrin aldehyde	ND b	17
4,4'-DDT	220 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	90 b	41-123
Decachlorobiphenyl	102 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 #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-4A-0.5	Batch#:	114577
Lab ID:	187541-005	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/21/06
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 C 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 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	78 b	41-123
Decachlorobiphenyl	91 b	45-140

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

6.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-4B-0.5	Batch#:	114577
Lab ID:	187541-006	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/21/06
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	400 C 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	59 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	87 b	41-123
Decachlorobiphenyl	89 b	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-4C-0.5	Batch#:	114577
Lab ID:	187541-007	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/21/06
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	240 C b	17
Endrin	ND b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	19 b	17
Endrin aldehyde	ND b	17
4,4'-DDT	65 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	84 b	41-123
Decachlorobiphenyl	98 b	45-140

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

8.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-4D-0.5	Batch#:	114577
Lab ID:	187541-008	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/21/06
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	400 C b	17
Endrin	ND b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	19 b	17
Endrin aldehyde	ND b	17
4,4'-DDT	120 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	87 b	41-123
Decachlorobiphenyl	95 b	45-140

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 #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-6A-0.5	Batch#:	114577
Lab ID:	187541-009	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/22/06

Cleanup Method: EPA 3620B

Analyte	Result	RL	Diln Fac
alpha-BHC	ND b	8.5	5.000
beta-BHC	ND b	8.5	5.000
gamma-BHC	ND b	8.5	5.000
delta-BHC	ND b	8.5	5.000
Heptachlor	ND b	8.5	5.000
Aldrin	ND b	8.5	5.000
Heptachlor epoxide	ND b	8.5	5.000
Endosulfan I	ND b	8.5	5.000
Dieldrin	ND b	16	5.000
4,4'-DDE	580 C b	33	10.00
Endrin	ND b	16	5.000
Endosulfan II	ND b	16	5.000
Endosulfan sulfate	ND b	16	5.000
4,4'-DDD	ND b	16	5.000
Endrin aldehyde	ND b	16	5.000
4,4'-DDT	77 b	16	5.000
gamma-Chlordane	ND b	8.5	5.000
alpha-Chlordane	ND b	8.5	5.000
Methoxychlor	ND b	85	5.000
Toxaphene	ND b	300	5.000

Surrogate	%REC	Limits	Diln Fac
TCMX	80 b	41-123	5.000
Decachlorobiphenyl	89 b	45-140	5.000

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

10.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-6B-0.5	Batch#:	114577
Lab ID:	187541-010	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/22/06
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	500 C 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	64 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	83 b	41-123
Decachlorobiphenyl	92 b	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-6C-0.5	Batch#:	114577
Lab ID:	187541-011	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/22/06
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	520 C b	17
Endrin	ND b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	18 b	17
Endrin aldehyde	ND b	17
4,4'-DDT	79 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	87 b	41-123
Decachlorobiphenyl	89 b	45-140

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

12.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-6D-0.5	Batch#:	114577
Lab ID:	187541-012	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/22/06
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	350 C 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	32 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	78 b	41-123
Decachlorobiphenyl	87 b	45-140

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

13.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS16A-0.5	Batch#:	114577
Lab ID:	187541-013	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/22/06
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	300 C 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	31 b	16
gamma-Chlordane	ND b	8.4
alpha-Chlordane	ND b	8.4
Methoxychlor	ND b	84
Toxaphene	ND b	300

Surrogate	%REC	Limits
TCMX	78 b	41-123
Decachlorobiphenyl	74 b	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS16B-0.5	Batch#:	114577
Lab ID:	187541-014	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/22/06
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	420 C 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	84 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	89 b	41-123
Decachlorobiphenyl	99 b	45-140

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

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS16C-0.5	Batch#:	114577
Lab ID:	187541-015	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/22/06
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	420 C b	16
Endrin	ND b	16
Endosulfan II	ND b	16
Endosulfan sulfate	ND b	16
4,4'-DDD	20 b	16
Endrin aldehyde	ND b	16
4,4'-DDT	100 b	16
gamma-Chlordane	ND b	8.4
alpha-Chlordane	ND b	8.4
Methoxychlor	ND b	84
Toxaphene	ND b	300

Surrogate	%REC	Limits
TCMX	83 b	41-123
Decachlorobiphenyl	92 b	45-140

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

16.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS16D-0.5	Batch#:	114577
Lab ID:	187541-016	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/22/06
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	460 C b	17
Endrin	ND b	17
Endosulfan II	ND b	17
Endosulfan sulfate	ND b	17
4,4'-DDD	26 C b	17
Endrin aldehyde	ND b	17
4,4'-DDT	92 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	82 b	41-123
Decachlorobiphenyl	78 b	45-140

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 #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS17A-0.5	Batch#:	114577
Lab ID:	187541-017	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/21/06
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	400 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	120 b	16
gamma-Chlordane	ND b	8.4
alpha-Chlordane	ND b	8.4
Methoxychlor	ND b	84
Toxaphene	ND b	300

Surrogate	%REC	Limits
TCMX	61 b	41-123
Decachlorobiphenyl	66 b	45-140

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

18.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS17B-0.5	Batch#:	114577
Lab ID:	187541-018	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/21/06
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	240 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	71 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	64 b	41-123
Decachlorobiphenyl	79 b	45-140

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

19.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS17C-0.5	Batch#:	114577
Lab ID:	187541-019	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/21/06
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	220 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	45 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	90 b	41-123
Decachlorobiphenyl	105 b	45-140

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

20.0

Curtis & Tompkins, Ltd.

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS17D-0.5	Batch#:	114577
Lab ID:	187541-020	Sampled:	06/05/06
Matrix:	Soil	Received:	06/05/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/21/06
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	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	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	79 b	41-123
Decachlorobiphenyl	95 b	45-140

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

21.0

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC344636	Batch#:	114577
Matrix:	Soil	Prepared:	06/20/06
Units:	ug/Kg	Analyzed:	06/21/06
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	60

Surrogate	%REC	Limits
TCMX	81	41-123
Decachlorobiphenyl	84	45-140

ND= Not Detected
RL= Reporting Limit

23.0

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC344729	Batch#:	114602
Matrix:	Soil	Prepared:	06/21/06
Units:	ug/Kg	Analyzed:	06/21/06
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	60

Surrogate	%REC	Limits
TCMX	76	41-123
Decachlorobiphenyl	80	45-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC344637	Batch#:	114577
Matrix:	Soil	Prepared:	06/20/06
Units:	ug/Kg	Analyzed:	06/21/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.33	11.48	86	42-124
Heptachlor	13.33	11.23	84	43-129
Aldrin	13.33	11.27	85	46-122
Dieldrin	26.67	23.76	89	49-130
Endrin	26.67	23.61	89	48-132
4,4'-DDT	26.67	24.61	92	45-142

Surrogate	%REC	Limits
TCMX	85	41-123
Decachlorobiphenyl	94	45-140

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC344730	Batch#:	114602
Matrix:	Soil	Prepared:	06/21/06
Units:	ug/Kg	Analyzed:	06/21/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.33	12.15	91	42-124
Heptachlor	13.33	13.63	102	43-129
Aldrin	13.33	12.38	93	46-122
Dieldrin	26.67	26.59	100	49-130
Endrin	26.67	27.06	101	48-132
4,4'-DDT	26.67	27.17	102	45-142

Surrogate	%REC	Limits
TCMX	85	41-123
Decachlorobiphenyl	91	45-140

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	SS-3A-0.5	Batch#:	114577
MSS Lab ID:	187541-001	Sampled:	06/02/06
Matrix:	Soil	Received:	06/02/06
Units:	ug/Kg	Prepared:	06/20/06
Basis:	as received	Analyzed:	06/21/06
Diln Fac:	5.000		

Type: MS Cleanup Method: EPA 3620B
Lab ID: QC344638

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<0.4319	13.25	8.890	67	47-120
Heptachlor	<1.719	13.25	9.804	74	47-127
Aldrin	<1.646	13.25	10.28	78	46-120
Dieldrin	<2.605	26.49	20.73	78	48-125
Endrin	<3.639	26.49	20.17	76	49-130
4,4'-DDT	82.42	26.49	112.1	112	31-145

Surrogate	%REC	Limits
TCMX	86	41-123
Decachlorobiphenyl	97	45-140

Type: MSD Cleanup Method: EPA 3620B
Lab ID: QC344639

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.37	9.657	72	47-120	7	45
Heptachlor	13.37	10.41	78	47-127	5	43
Aldrin	13.37	10.72	80	46-120	3	42
Dieldrin	26.74	21.30	80	48-125	2	41
Endrin	26.74	20.67	77	49-130	2	47
4,4'-DDT	26.74	101.1	70	31-145	11	52

Surrogate	%REC	Limits
TCMX	84	41-123
Decachlorobiphenyl	86	45-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Organochlorine Pesticides

Lab #:	187541	Location:	280 Acres, Newark
Client:	PES Environmental, Inc.	Prep:	EPA 3545
Project#:	STANDARD	Analysis:	EPA 8081A
Field ID:	CS-17A-0.5	Batch#:	114602
MSS Lab ID:	187540-001	Sampled:	06/01/06
Matrix:	Soil	Received:	06/01/06
Units:	ug/Kg	Prepared:	06/21/06
Basis:	as received	Analyzed:	06/21/06
Diln Fac:	5.000		

Type: MS Cleanup Method: EPA 3620B
Lab ID: QC344731

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<2.415	13.44	12.91	96	47-120
Heptachlor	<2.394	13.44	15.30	114	47-127
Aldrin	<1.737	13.44	13.76	102	46-120
Dieldrin	<4.299	26.88	32.68	122	48-125
Endrin	<6.656	26.88	29.57	110	49-130
4,4'-DDT	14.32	26.88	38.12	89	31-145

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

Type: MSD Cleanup Method: EPA 3620B
Lab ID: QC344732

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.48	12.18	90	47-120	6	45
Heptachlor	13.48	13.58	101	47-127	12	43
Aldrin	13.48	13.38	99	46-120	3	42
Dieldrin	26.95	31.16	116	48-125	5	41
Endrin	26.95	28.09	104	49-130	5	47
4,4'-DDT	26.95	37.81	87	31-145	1	52

Surrogate	%REC	Limits
TCMX	86	41-123
Decachlorobiphenyl	107	45-140

RPD= Relative Percent Difference

DISTRIBUTION

PHASE II INVESTIGATION
280-ACRE PEERY/ARRILLAGA SITE
END OF STEVENSON BOULEVARD
NEWARK, CALIFORNIA

AUGUST 15, 2006

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