



A Report Prepared for:

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

Attention: Mr. Tim Steele

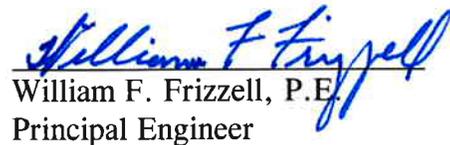
**PHASE II INVESTIGATION
115-ACRE ROGERS PROPERTY
STEVENSON BOULEVARD
NEWARK, CALIFORNIA**

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1.0 INTRODUCTION

This report presents the results of a Phase II Investigation for the vacant Rogers property located near the end of Stevenson Boulevard in Newark, California (the subject property or site) (Plate 1). The site consists of two parcels totaling approximately 115.1 acres. PES Environmental, Inc. (PES) was retained by Sobrato Development Companies (Sobrato) to perform this Phase II Investigation. PES understands that Sobrato is evaluating acquisition and redevelopment of the property. It is also PES' understanding that approximately half of the site may be designated as wetlands and would not be developed. The non-wetland areas will likely require the import of at least a few feet of fill to raise the elevations of the site and the site may be used as part of a golf course or residential development.

PES performed a Phase I Environmental Assessment (ESA) prior to this Phase II Investigation. The results of the ESA are presented in a separate Phase I ESA report¹. The scope of work for this Phase II Investigation was developed based on the findings presented in that report.

2.0 BACKGROUND INFORMATION

During the Phase I Investigation, PES interviewed Mr. Mark Rogers, property owner, regarding current and historical use of the site. Mr. Rogers indicated that his family has owned the property since the 1920s. Mr. Rogers reported that the property has been only used for farming and has never been occupied. The wetlands portion of the site was historically leased to a duck club for hunting. Mr. Rogers indicated that the property is currently unused, but was most recently leased to Mr. Tim Cook, who dry-farmed the property. Mr. Rogers indicated that there was a well on the property, but that it was capped or destroyed in accordance with applicable regulations approximately five years ago, although Mr. Rogers did not have any readily available documentation concerning these activities. Mr. Rogers was uncertain of the former location of the well.

PES also interviewed Mr. Tim Cook, who most recently dry-farmed the property. Mr. Cook indicated that he had dry-framed the property the past six to seven years. He grew hay and reportedly did not use any pesticides or herbicides. Mr. Cook reported that the property was leased to another farmer the previous 10 to 15 years who used the property to grow vegetables and other crops a portion of that time. Mr. Cook also reported that his father farmed the property from approximately the 1940s to the 1980s. He believed his father farmed hay and occasionally alfalfa.

¹ PES Environmental, Inc., 2006. *Phase I Environmental Site Assessment, 115-Acre Rogers Property, Stevenson Boulevard, Newark, California*. September 11.

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

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

Based on this information, PES recommended that a Phase II Investigation should be performed at the site to evaluate the potential affects of possible historical pesticide/herbicide use to onsite soils.

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.

3.1 Pre-Field Activities

Prior to initiation of field activities, a site-specific Health and Safety Plan was prepared and soil sample location coordinates were pre-determined. Aerial photo review indicated the western arm of the site was often covered by water and eliminated from the sampling area based on its probable wetland status. Using mapping software, approximately one sample per acre was sited in a grid pattern across the remaining 68 acres of the site. Coordinates for the 68 locations were then downloaded for use in the field. Sample location coordinates are presented in Table 1 and sample locations are shown on Plate 2.

3.2 Shallow Soil Sampling and Analysis

PES conducted soil sampling activities on August 2, 2006. First, sample locations were marked in the field using a Garmin Etrex Vista GPS unit to locate the predetermined latitude and longitude coordinates, within the obtainable accuracy of approximately 15 to 20 feet. Table 1 includes the accuracies obtained at each sample location.

Soil samples were collected from 6 to 12 inches below ground surface (bgs) at each of the 68 locations, and from 12 to 18 inches bgs at one of every two locations. Soil samples were collected using a hand auger. For deeper samples, a shovel was used to dig the hole to the desired depth, and a hand auger 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 were composited by twos (34 composite samples) in the laboratory and analyzed for organochlorine pesticides by

EPA Test Method 8081A and lead and arsenic by EPA Test Method 6010B. Based on the initial composite sample results, eight deeper samples were analyzed using EPA Test Method 8081A. In addition, nine composite samples from locations across the subject property were also analyzed for chlorinated herbicides using EPA Test Method 8151A.

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 the following regulatory agency screening levels for contaminants in residential soils:

- Environmental Protection Agency Region 9 Preliminary Remediation Goals for Residential Soil (PRGs), including California-modified PRGs for lead and arsenic; and
- Department of Toxic Substances Control California Human Health Screening Levels for Residential Soil (CHHSLs).

Because of the two-part compositing method used in the sampling and analytical program for this site, PES initially compared the laboratory results with concentrations equal to one-half of the published regulatory screening levels. This was performed as a conservative approach in the data evaluation because, theoretically, it is possible that one subsample contains all of the detected concentration of the contaminant and the other subsample 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.

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

Metals concentrations were compared with background concentrations published by the Lawrence Berkeley National Laboratory² (LBNL). LBNL background concentrations of lead and arsenic ranged from 8.9 mg/kg to 21.5 mg/kg and from 9.3 mg/kg to 31 mg/kg,

² Lawrence Berkeley National Laboratory, Environmental Restoration Program, Protocol for Determining Background Concentrations of Metals in Soil at Lawrence Berkeley National Laboratory (LBNL). August 1995.

respectively. Although these published values are not site specific to the subject property, they provide a general frame of reference for concentrations that may be found in naturally occurring soils at other locations in the region.

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

Arsenic and lead, elements that are common constituents of soil, were detected in composite soil samples at maximum concentrations of 16 and 15 milligrams per kilogram (mg/kg), respectively. Table 2 presents the PRGs and CHHSLs for lead and arsenic. The maximum concentration of lead was less than one-half 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 exceeded the PRG and CHHSL of 0.062 mg/kg and 0.07 mg/kg, respectively. However, the arsenic concentrations appear to be representative of background conditions and are within the range of values reported in the LBNL Study.

4.1.2 Organochlorine Pesticides in Composite Soil Samples

Fourteen organochlorine pesticides were detected in one or more composite soil samples, including heptachlor epoxide, 4,4'-DDT, 4,4'-DDD, 4,4'-DDE, endosulfan I, endosulfan II, endosulfan sulfate, endrin, endrin aldehyde, dieldrin, gamma-chlordane, alpha-chlordane, methoxychlor, and toxaphene. Dieldrin, endrin, 4,4'-DDT, 4,4'-DDD, 4,4'-DDE, gamma-chlordane, and toxaphene were most commonly detected. These seven organochlorine pesticides were found in at least 27 of 34 composite soil samples.

Of the more frequently detected pesticides, only dieldrin and toxaphene were detected in composite samples at concentrations exceeding one-half of the respective PRG and/or CHHSL, as shown on Table 2. Toxaphene was detected in all composite samples at concentrations ranging from 400 to 2,000 $\mu\text{g}/\text{kg}$, above the PRG of 440 $\mu\text{g}/\text{kg}$ and CHHSL of 460 $\mu\text{g}/\text{kg}$ in all but one composite sample. Dieldrin was detected in 28 composite samples at concentrations ranging from 8.9 to 66 $\mu\text{g}/\text{kg}$, above the PRG of 30 $\mu\text{g}/\text{kg}$ and/or CHHSL of 35 $\mu\text{g}/\text{kg}$ in 15 composite samples.

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

Because composite sample results exceeded the PRG and CHHSL for toxaphene and/or dieldrin, eight additional deeper samples were analyzed in an attempt to characterize the vertical extent of organochlorine pesticides at the site. Deeper samples (12 to 18 inches deep) collected in locations throughout the site beneath composite samples with various concentrations of dieldrin and toxaphene (RS-1B, RS-9B, RS-10B, RS-16B, RS-18B, RS-25B, RS-27B and RS-34B) were analyzed for organochlorine pesticides. The additional deeper discrete soil sample results are presented in Table 3 and discussed in Section 4.2.

4.1.3 Chlorinated Herbicides in Composite Soil Samples

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

4.2 Discrete Soil Sample Results

Table 3 presents the results of laboratory analysis of organochlorine pesticides in eight discrete soil samples. Six organochlorine pesticides were detected in one or more composite soil samples, including Endosulfan II, Endrin, 4,4'-DDE, 4,4'-DDT, 4,4'-DDD, Toxaphene. Only toxaphene was detected at concentrations greater than the respective PRG and CHHSL of 440 and 460 $\mu\text{g}/\text{kg}$, respectively. Toxaphene was detected in two of eight discrete soil samples at 850 and 2,600 $\mu\text{g}/\text{kg}$. Toxaphene was not detected in the other six samples at concentrations above the laboratory limit of 300 $\mu\text{g}/\text{kg}$.

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

5.0 CONCLUSIONS

In accordance with the recommendations made in PES' Phase I ESA for the subject property, a shallow soil investigation was performed within areas of the site that may be subject to development in the future. Areas that appeared to be potential wetlands area, based on aerial photo review, were not investigated.

There was evidence of residual agricultural chemicals in the shallow soils (6 to 12 inches bgs) throughout the site. Concentrations of toxaphene and dieldrin exceed residential soil screening criteria. Additionally, toxaphene was detected at concentrations exceeding the PRG and CHHSL in two of eight discrete samples collected from 12 to 18 inches bgs. Chlorinated

herbicides were not detected in any of the soil samples. Lead and arsenic were detected in shallow soil samples at concentrations that appear to be representative of background conditions.

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

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

TABLES

Table 1
Summary of Sample Information
Sobrato Development Companies 115-Acre Property
Stevenson Boulevard
Newark, California

Location	Coordinates		Accuracy (feet)
	Latitude	Longitude	
RS-1A	37.30.535	122.00.454	16
RS-1B	37.30.557	122.00.421	18
RS-2A	37.30.580	122.00.389	16
RS-2B	37.30.602	122.00.355	19
RS-3A	37.30.624	122.00.323	15
RS-3B	37.30.586	122.00.311	14
RS-4A	37.30.541	122.00.376	14
RS-4B	37.30.563	122.00.345	14
RS-5A	37.30.520	122.00.410	14
RS-5B	37.30.484	122.00.399	14
RS-6A	37.30.505	122.00.365	18
RS-6B	37.30.525	122.00.332	16
RS-7A	37.30.548	122.00.299	14
RS-7B	37.30.571	122.00.267	17
RS-8A	37.30.468	122.00.354	21
RS-8B	37.30.492	122.00.321	14
RS-9A	37.30.513	122.00.288	14
RS-9B	37.30.534	122.00.256	13
RS-10A	37.30.430	122.00.343	16
RS-10B	37.30.453	122.00.312	14
RS-11A	37.30.474	122.00.276	16
RS-11B	37.30.495	122.00.244	17
RS-12A	37.30.519	122.00.211	17
RS-12B	37.30.484	122.00.200	14
RS-13A	37.30.437	122.00.265	15
RS-13B	37.30.459	122.00.232	15
RS-14A	37.30.415	122.00.298	16
RS-14B	37.30.375	122.00.289	14
RS-15A	37.30.399	122.00.254	15
RS-15B	37.30.422	122.00.221	15
RS-16A	37.30.445	122.00.188	14
RS-16B	37.30.470	122.00.161	14
RS-17A	37.30.334	122.00.352	15
RS-17B	37.30.305	122.00.327	14
RS-18A	37.30.329	122.00.292	15
RS-18B	37.30.351	122.00.259	21
RS-19A	37.30.373	122.00.226	14
RS-19B	37.30.397	122.00.192	15
RS-20A	37.30.419	122.00.162	14
RS-20B	37.30.441	122.00.128	16
RS-21A	37.30.284	122.00.299	16
RS-21B	37.30.303	122.00.264	18
RS-22A	37.30.326	122.00.231	16
RS-22B	37.30.346	122.00.198	15

Table 1
Summary of Sample Information
Sobrato Development Companies 115-Acre Property
Stevenson Boulevard
Newark, California

Location	Coordinates		Accuracy (feet)
	Latitude	Longitude	
RS-23A	37.30.369	122.00.165	30
RS-23B	37.30.390	122.00.134	23
RS-24A	37.30.415	122.00.099	19
RS-24B	37.30.387	122.00.072	22
RS-25A	37.30.253	122.00.268	16
RS-25B	37.30.276	122.00.235	18
RS-26A	37.30.299	122.00.201	18
RS-26B	37.30.321	122.00.170	23
RS-27A	37.30.343	122.00.137	17
RS-27B	37.30.365	122.00.105	16
RS-28A	37.30.228	122.00.241	15
RS-28B	37.30.251	122.00.207	17
RS-29A	37.30.272	122.00.177	16
RS-29B	37.30.294	122.00.142	16
RS-30A	37.30.317	122.00.109	18
RS-30B	37.30.339	122.00.077	20
RS-31A	37.30.202	122.00.215	17
RS-31B	37.30.224	122.00.181	16
RS-32A	37.30.246	122.00.148	17
RS-32B	37.30.266	122.00.115	16
RS-33A	37.30.175	122.00.186	15
RS-33B	37.30.198	122.00.153	13
RS-34A	37.30.220	122.00.120	15
RS-34B	37.30.171	122.00.125	14

Table 2
Summary of Laboratory Analytical Results - Composite Samples
Sobrato Development Companies 115-Acre Rogers Site
Stevenson Boulevard
Newark, California

Sample Identification	Sample Date	Sample Depth (feet bgs)	Heptachlor epoxide (µg/kg)	Endosulfan I (µg/kg)	Endosulfan II (µg/kg)	Endosulfan sulfate (µg/kg)	Dieldrin (µg/kg)	Endrin (µg/kg)	Endrin aldehyde (µg/kg)	4,4'-DDE (µg/kg)	4,4'-DDT (µg/kg)	4,4'-DDD (µg/kg)	gamma-Chlordane (µg/kg)	alpha-Chlordane (µg/kg)	Methoxychlor (µg/kg)	Toxaphene (µg/kg)	Arsenic (mg/kg)	Lead (mg/kg)
RS-1	8/2/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(16)	ND(16)	19	46 C	ND(16)	320	88 C	41	10	ND(8.5)	ND(85)	1,100	6.8	7.5
RS-2	8/2/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	30 C	73	ND(17)	610	290 C	62	19 C	ND(8.6)	ND(86)	1,800	14	7.4
RS-3	8/2/2006	0.0-0.5	6.6 C	2.6	7.1	51 C	37 C	150	ND(3.3)	1,300	500 C	64	27 C	13	150 #	1,800	5.2	11
RS-4	8/2/2006	0.0-0.5	9.5 C	ND(8.5)	ND(16)	ND(16)	52	97	ND(16)	960	290 C #	75	25	ND(8.5)	ND(85)	1,800	6.1	9.1
RS-5	8/2/2006	0.0-0.5	ND(1.7)	ND(1.7)	ND(3.3)	12 C	8.9	17	ND(3.3)	120	33	18	ND(1.7)	2.0	51 C #	400	5.9	6.6
RS-6	8/2/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	ND(17)	46	ND(17)	480	130 C #	28	15 C	ND(8.6)	ND(86)	860	2.7	8.7
RS-7	8/2/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	ND(17)	76	ND(17)	420	83 #	35	15 C	ND(8.6)	ND(86)	900	2.2	12
RS-8	8/2/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(17)	ND(17)	21 C	41	ND(17)	470	95 #	42	ND(8.5)	ND(8.5)	ND(85)	950	3.3	8.1
RS-9	8/2/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	17	51	ND(17)	430	130 C #	42	13 C	ND(8.6)	ND(86)	690	0.96	9.3
RS-10	8/2/2006	0.0-0.5	ND(8.4)	ND(8.4)	ND(16)	ND(16)	24 C	54 C	ND(16)	440	190 #	44	13	ND(8.4)	ND(84)	1,500	3.5	7.6
RS-11	8/2/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(17)	ND(17)	25	44	ND(17)	560	300 #	59	ND(8.5)	ND(8.5)	ND(85)	1,200	1.2	8.4
RS-12	8/2/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	ND(17)	38 C	ND(17)	370	130 C #	39	11 C	ND(8.6)	ND(86)	660	1.6	12
RS-13	8/3/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	38	76	ND(17)	580	250 #	66	37 C	ND(8.6)	ND(86)	1,500	2.4	8.8
RS-14	8/3/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	21	ND(17)	ND(17)	430	38	39	14	ND(8.6)	ND(86)	960	5.6	6.3
RS-15	8/3/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(17)	ND(17)	35	46	ND(17)	570	220 #	49	20 C	ND(8.5)	ND(85)	1,300	2.6	8.7
RS-16	8/3/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	27	72	ND(17)	620	250 #	61	ND(8.6)	ND(8.6)	ND(86)	1,400	3.0	9.5
RS-17	8/3/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	62	32 C	ND(17)	790	110 #	100	34 C	ND(8.6)	ND(86)	970	7.6	11
RS-18	8/3/2006	0.0-0.5	ND(8.4)	ND(8.4)	ND(16)	ND(16)	56	46	ND(16)	870	200 #	81	22 C	ND(8.4)	ND(84)	1,700	2.7	9.3
RS-19	8/3/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	30	42	ND(17)	500	150 C #	38	14	ND(8.6)	ND(86)	1,000	4.2	9.3
RS-20	8/3/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(16)	ND(16)	36	53 C	ND(16)	530	190 C #	54	16 C	ND(8.5)	ND(85)	1,100	3.0	10
RS-21	8/3/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(17)	ND(17)	33 C	23	ND(17)	540	160 C	43	14	ND(8.5)	ND(85)	1,200	2.0	7.6
RS-22	8/3/2006	0.0-0.5	12 C	ND(8.5)	ND(17)	ND(17)	41	34	ND(17)	540	260 C #	78	16	9.2 C	ND(85)	1,500	3.0	15
RS-23	8/3/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	18 C	37	ND(17)	430	150	36	9.9	ND(8.6)	ND(86)	800	3.1	9.3
RS-24	8/3/2006	0.0-0.5	ND(8.4)	ND(8.4)	ND(16)	46 C	ND(16)	70	ND(16)	560	200 C	47 #	17 C	ND(8.4)	150 C	1,700	2.9	12
RS-25	8/3/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(16)	ND(16)	29	36	ND(16)	480	130	49 #	13	ND(8.5)	ND(85)	870	5.1	10
RS-26	8/3/2006	0.0-0.5	ND(8.5)	ND(8.5)	ND(16)	ND(16)	19 C	27	ND(16)	350	50	43	9.0	ND(8.5)	ND(85)	1,000	3.1	8.2
RS-27	8/3/2006	0.0-0.5	ND(8.4)	ND(8.4)	ND(16)	ND(16)	29	42	ND(16)	500	180	55	15 C	ND(8.4)	ND(84)	1,200	7.4	10
RS-28	8/3/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	58 C	47 C	70	ND(17)	900	310 C	110 #	25 C	13 C	170 C	2,000	2.3	8.2
RS-29	8/3/2006	0.0-0.5	ND(8.4)	ND(8.4)	ND(16)	ND(16)	24	25	ND(16)	300	49	40	ND(8.4)	ND(8.4)	ND(84)	1,000	16	15
RS-30	8/3/2006	0.0-0.5	ND(8.4)	ND(8.4)	ND(16)	ND(16)	35	ND(16)	31 C	370	17	53	11	ND(8.4)	ND(84)	640	6.1	10
RS-31	8/3/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	39	49 C	ND(17)	450	79	64 #	24 C	ND(8.6)	ND(86)	940	2.5	8.6
RS-32	8/3/2006	0.0-0.5	ND(8.7)	ND(8.7)	ND(17)	ND(17)	66	30	ND(17)	600	52	130 #	27 C	ND(8.7)	ND(87)	1,300	16	14
RS-33	8/3/2006	0.0-0.5	ND(8.6)	ND(8.6)	ND(17)	ND(17)	ND(17)	ND(17)	ND(17)	240	66 C	24 #	ND(8.6)	ND(8.6)	ND(86)	1,200	7.9	11
RS-34	8/2/2006	0.0-0.4	ND(8.6)	ND(8.6)	ND(17)	ND(17)	ND(17)	ND(17)	ND(17)	220	52 C	33 #	ND(8.6)	ND(8.6)	ND(86)	700	14	9.7
EPA Region 9 PRGs			53	370,000	none	none	30	18,000	none	1,700	1,700	2,400	1,600	1,600	310,000	440	0.062⁽¹⁾	150⁽¹⁾
DTSC CHHSLs			none	none	none	none	35	21,000	none	1,600	1,600	2,300	430	430	340,000	460	0.07	150

Notes:

Analysis of organochlorine pesticides by U.S. EPA Test Method 8081A

µg/kg - micrograms per kilogram

Analysis of lead and arsenic by U.S. EPA Test Method 6010B

mg/kg - milligrams per kilogram

ND(17) - Not detected at or above the indicated laboratory reporting limit.

C - Presence confirmed, but relative percent difference between instrument columns exceed 40%

- Continuing calibration verification (CCV) drift outside limits; average CCV drift within limits per method requirements

EPA Region 9 PRGs - Environmental Protection Agency Region 9 Preliminary Remediation Goals for Residential Soil

DTSC CHHSLs - California Environmental Protection Agency, Department of Toxic Substances Control, California Human Health Screening Levels for residential soil

(1) CAL-Modified PRG

Lighter shading indicates concentration exceeds one or more regulatory screening levels

Darker shading indicates concentration is greater than one half of one or more regulatory screening levels

Table 3
Summary of Laboratory Analytical Results - Discrete Samples
Sobrato Development Companies 115-Acre Rogers Site
Stevenson Boulevard
Newark, California

Sample Identification	Sample Date	Sample Depth (feet bgs)	Endosulfan II (µg/kg)	Endrin (µg/kg)	4,4'-DDE (µg/kg)	4,4'-DDT (µg/kg)	4,4'-DDD (µg/kg)	Toxaphene (µg/kg)
RS-1B	8/3/2006	1.0-1.5	20 C	ND(17)	140	18	ND(17)	ND(300)
RS-9B	8/3/2006	1.0-1.5	40 C	72	330	70	26	850
RS-10B	8/3/2006	1.0-1.5	25	37	210	35	ND(17)	ND(300)
RS-16B	8/3/2006	1.0-1.5	ND(33)	ND(33)	140	ND(33)	ND(33)	ND(600)
RS-18B	8/3/2006	1.0-1.5	48	60	530	83	61 C	ND(300)
RS-25B	8/3/2006	1.0-1.5	52 C	65	450	92 #	75 C	ND(300)
RS-27B	8/3/2006	1.0-1.5	72 C	140	660	170	53	2,600
RS-34B	8/3/2006	1.0-1.5	34	ND(17)	220	46 C #	ND(17)	ND(300)
EPA Region 9 PRGs			none	18,000	1,700	1,700	2,400	440
DTSC CHHSLs			none	21,000	1,600	1,600	2,300	460

Notes:

Analysis of organochlorine pesticides by U.S. EPA Test Method 8081A

µg/kg - micrograms per kilogram

Analysis of lead and arsenic by U.S. EPA Test Method 6010B

mg/kg - milligrams per kilogram

ND(17) - Not detected at or above the indicated laboratory reporting limit.

C - Presence confirmed, but relative percent difference between instrument columns exceed 40%

- Continuing calibration verification (CCV) drift outside limits; average CCV drift within limits per method requirements

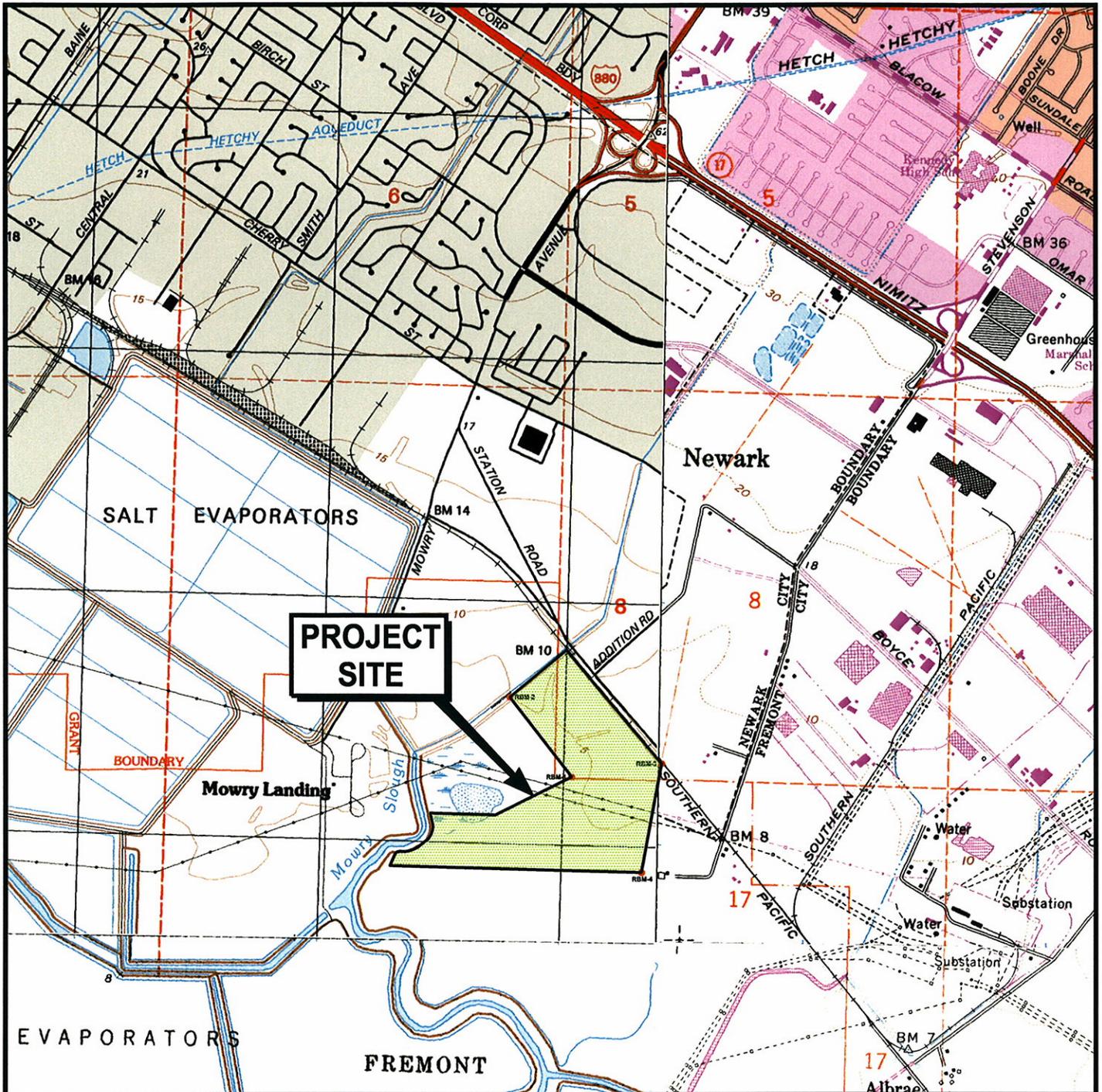
EPA Region 9 PRGs - Environmental Protection Agency Region 9 Preliminary Remediation Goals for Residential Soil

DTSC CHHSLs - California Environmental Protection Agency, Department of Toxic Substances Control,

California Human Health Screening Levels for residential soil

Shading indicates concentration exceeds one or more regulatory screening levels

ILLUSTRATIONS

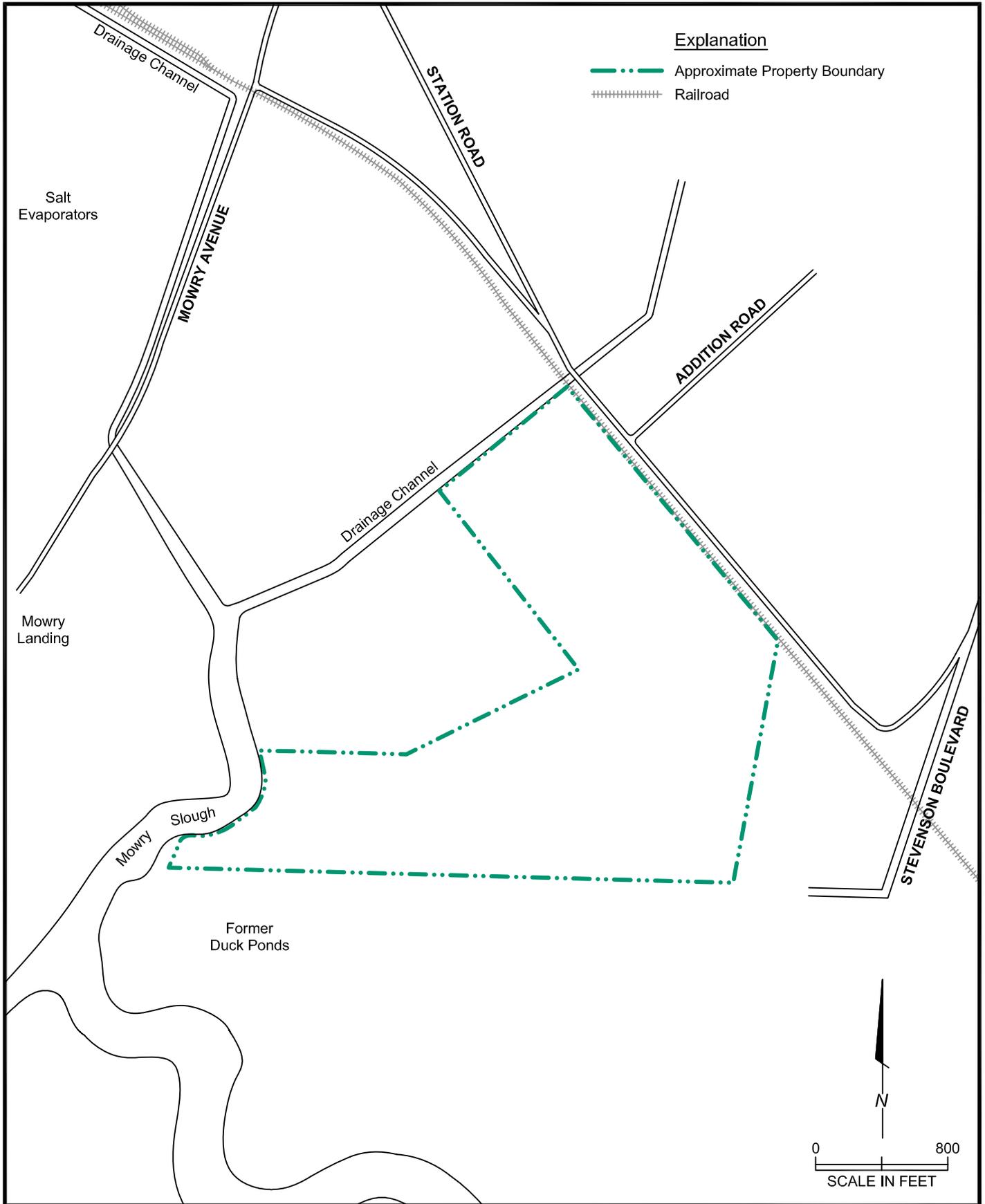


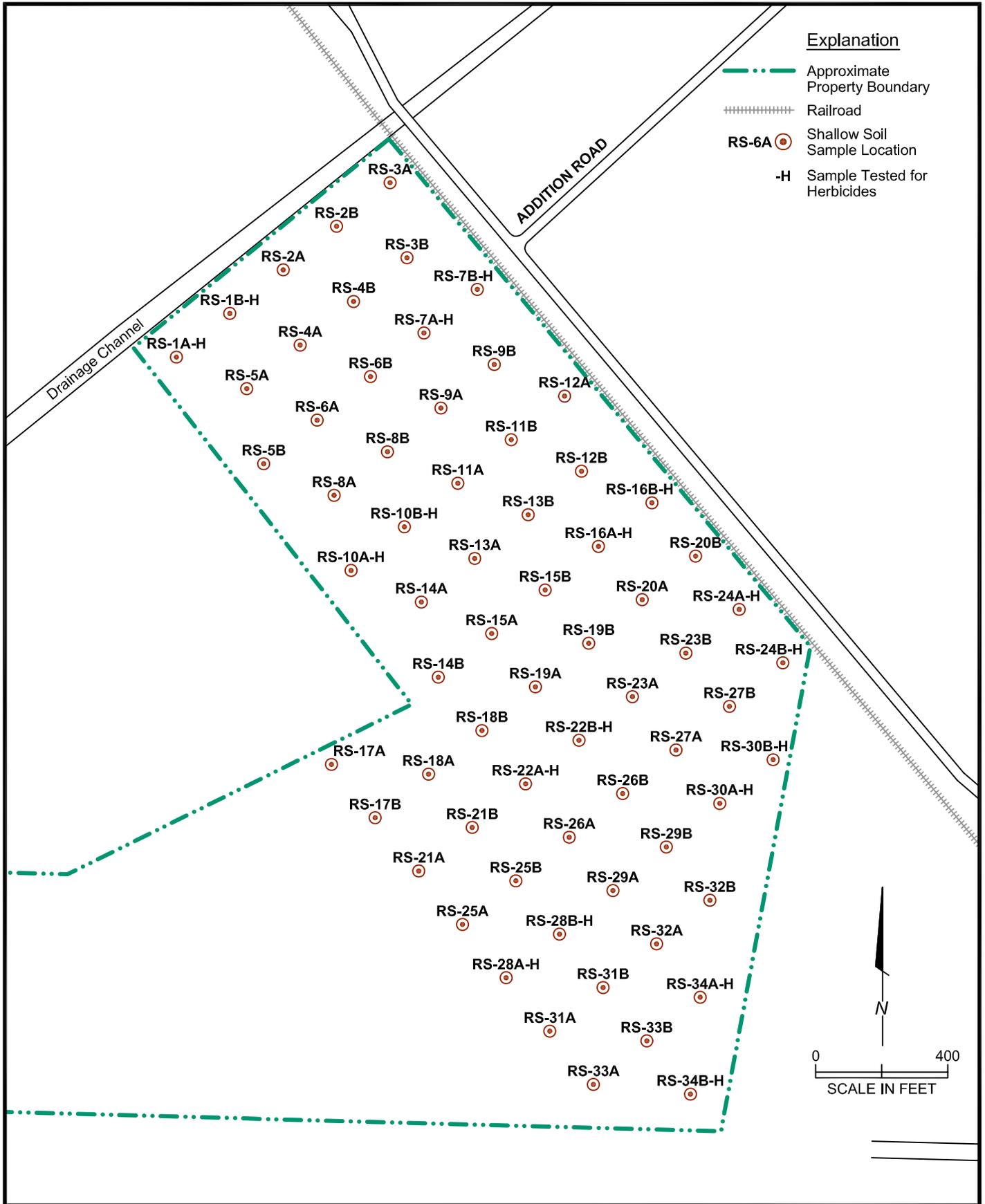
U.S.G.S. Topo Map - Niles, California, 7.5-minute quadrangle. 1961 photorevised 1980
 U.S.G.S. Topo Map - Newark, California, 7.5-minute quadrangle. 1959 photorevised 1980
 U.S.G.S. Topo Map - Milpitas, California, 7.5-minute quadrangle. 1961 photorevised 1980
 U.S.G.S. Topo Map - Mountain View, California,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



Site Location Map
 Rogers Property
 End of Stevenson Boulevard
 Newark, California

PLATE
1





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: 31-AUG-06
Lab Job Number: 188522
Project ID: 126.57.01.001
Location: Rogers 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.

CASE NARRATIVE

Laboratory number: 188522
Client: PES Environmental, Inc.
Project: 126.57.01.001
Location: Rogers Site
Request Date: 08/03/06
Samples Received: 08/03/06

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

Pesticides (EPA 8081A):

Low recoveries were observed for endrin in the MS/MSD of RS-1 COMP (lab # 188522-013); the LCS was within limits, and the associated RPD was within limits. Low recoveries were observed for dieldrin and endrin in the MS/MSD of RS-21 COMP (lab # 188522-123); the LCS was within limits, and the associated RPDs were within limits. High surrogate recoveries were observed for decachlorobiphenyl in RS-7 COMP (lab # 188522-091), RS-11 COMP (lab # 188522-113), and the MS of RS-1 COMP (lab # 188522-013); the corresponding TCMX surrogate recoveries were 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.

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-1 COMP	Batch#:	116094
Lab ID:	188522-013	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620

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	19	16
4,4'-DDE	320	16
Endrin	46 C	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	41	16
Endrin aldehyde	ND	16
4,4'-DDT	88 C	16
gamma-Chlordane	10	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	1,100	300

Surrogate	%REC	Limits
TCMX	113	41-123
Decachlorobiphenyl	130	45-140

C= Presence confirmed, but RPD between columns exceeds 40%

ND= Not Detected

RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-2 COMP	Batch#:	116094
Lab ID:	188522-026	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620

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	30 C	17
4,4'-DDE	610	17
Endrin	73	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	62	17
Endrin aldehyde	ND	17
4,4'-DDT	290 C	17
gamma-Chlordane	19 C	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	1,800	300

Surrogate	%REC	Limits
TCMX	121	41-123
Decachlorobiphenyl	130	45-140

C= Presence confirmed, but RPD between columns exceeds 40%

ND= Not Detected

RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-3 COMP	Batch#:	116094
Lab ID:	188522-039	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received		

Cleanup Method: EPA 3620

Analyte	Result	RL	Diln Fac	Analyzed
alpha-BHC	ND	1.7	1.000	08/08/06
beta-BHC	ND	1.7	1.000	08/08/06
gamma-BHC	ND	1.7	1.000	08/08/06
delta-BHC	ND	1.7	1.000	08/08/06
Heptachlor	ND	1.7	1.000	08/08/06
Aldrin	ND	1.7	1.000	08/08/06
Heptachlor epoxide	6.6 C	1.7	1.000	08/08/06
Endosulfan I	2.6	1.7	1.000	08/08/06
Dieldrin	37 C	3.3	1.000	08/08/06
4,4'-DDE	1,300	33	10.00	08/09/06
Endrin	150	33	10.00	08/09/06
Endosulfan II	7.1	3.3	1.000	08/08/06
Endosulfan sulfate	51 C	3.3	1.000	08/08/06
4,4'-DDD	64	3.3	1.000	08/08/06
Endrin aldehyde	ND	3.3	1.000	08/08/06
4,4'-DDT	500 C	33	10.00	08/09/06
gamma-Chlordane	27 C	1.7	1.000	08/08/06
alpha-Chlordane	13	1.7	1.000	08/08/06
Methoxychlor	150 #	17	1.000	08/08/06
Toxaphene	1,800	590	10.00	08/09/06

Surrogate	%REC	Limits	Diln Fac	Analyzed
TCMX	119	41-123	1.000	08/08/06
Decachlorobiphenyl	94	45-140	1.000	08/08/06

#= 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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-4 COMP	Batch#:	116094
Lab ID:	188522-052	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received		

Cleanup Method: EPA 3620

Analyte	Result	RL	Diln Fac	Analyzed
alpha-BHC	ND	8.5	5.000	08/08/06
beta-BHC	ND	8.5	5.000	08/08/06
gamma-BHC	ND	8.5	5.000	08/08/06
delta-BHC	ND	8.5	5.000	08/08/06
Heptachlor	ND	8.5	5.000	08/08/06
Aldrin	ND	8.5	5.000	08/08/06
Heptachlor epoxide	9.5 C	8.5	5.000	08/08/06
Endosulfan I	ND	8.5	5.000	08/08/06
Dieldrin	52	16	5.000	08/08/06
4,4'-DDE	960	33	10.00	08/09/06
Endrin	97	16	5.000	08/08/06
Endosulfan II	ND	16	5.000	08/08/06
Endosulfan sulfate	ND	16	5.000	08/08/06
4,4'-DDD	75	16	5.000	08/08/06
Endrin aldehyde	ND	16	5.000	08/08/06
4,4'-DDT	290 C #	16	5.000	08/08/06
gamma-Chlordane	25	8.5	5.000	08/08/06
alpha-Chlordane	ND	8.5	5.000	08/08/06
Methoxychlor	ND	85	5.000	08/08/06
Toxaphene	1,800	300	5.000	08/08/06

Surrogate	%REC	Limits	Diln Fac	Analyzed
TCMX	120	41-123	5.000	08/08/06
Decachlorobiphenyl	135	45-140	5.000	08/08/06

#= 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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-5 COMP	Batch#:	116094
Lab ID:	188522-065	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	1.000		

Cleanup Method: EPA 3620

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	8.9	3.3
4,4'-DDE	120	3.3
Endrin	17	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	12 C	3.3
4,4'-DDD	18	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	33	3.3
gamma-Chlordane	ND	1.7
alpha-Chlordane	2.0	1.7
Methoxychlor	51 C #	17
Toxaphene	400	60

Surrogate	%REC	Limits
TCMX	92	41-123
Decachlorobiphenyl	140	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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-6 COMP	Batch#:	116094
Lab ID:	188522-078	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620

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	480	17
Endrin	46	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	28	17
Endrin aldehyde	ND	17
4,4'-DDT	130 C #	17
gamma-Chlordane	15 C	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	860	300

Surrogate	%REC	Limits
TCMX	110	41-123
Decachlorobiphenyl	135	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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-7 COMP	Batch#:	116094
Lab ID:	188522-091	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620

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	420	17
Endrin	76	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	35	17
Endrin aldehyde	ND	17
4,4'-DDT	83 #	17
gamma-Chlordane	15 C	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	900	300

Surrogate	%REC	Limits
TCMX	96	41-123
Decachlorobiphenyl	145 *	45-140

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

*= Value outside of QC limits; see narrative

C= Presence confirmed, but RPD between columns exceeds 40%

ND= Not Detected

RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-8 COMP	Batch#:	116094
Lab ID:	188522-104	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620

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	21 C	17
4,4'-DDE	470	17
Endrin	41	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	42	17
Endrin aldehyde	ND	17
4,4'-DDT	95 #	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	950	300

Surrogate	%REC	Limits
TCMX	77	41-123
Decachlorobiphenyl	136	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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-9 COMP	Batch#:	116094
Lab ID:	188522-111	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620

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	17	17
4,4'-DDE	430	17
Endrin	51	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	42	17
Endrin aldehyde	ND	17
4,4'-DDT	130 C #	17
gamma-Chlordane	13 C	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	690	300

Surrogate	%REC	Limits
TCMX	90	41-123
Decachlorobiphenyl	136	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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-10 COMP	Batch#:	116094
Lab ID:	188522-112	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620

Analyte	Result	RL
alpha-BHC	ND	8.4
beta-BHC	ND	8.4
gamma-BHC	ND	8.4
delta-BHC	ND	8.4
Heptachlor	ND	8.4
Aldrin	ND	8.4
Heptachlor epoxide	ND	8.4
Endosulfan I	ND	8.4
Dieldrin	24 C	16
4,4'-DDE	440	16
Endrin	54 C	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	44	16
Endrin aldehyde	ND	16
4,4'-DDT	190 #	16
gamma-Chlordane	13	8.4
alpha-Chlordane	ND	8.4
Methoxychlor	ND	84
Toxaphene	1,500	300

Surrogate	%REC	Limits
TCMX	101	41-123
Decachlorobiphenyl	131	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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-11 COMP	Batch#:	116094
Lab ID:	188522-113	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620

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	25	17
4,4'-DDE	560	17
Endrin	44	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	59	17
Endrin aldehyde	ND	17
4,4'-DDT	300 #	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	1,200	300

Surrogate	%REC	Limits
TCMX	103	41-123
Decachlorobiphenyl	143 *	45-140

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

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-12 COMP	Batch#:	116094
Lab ID:	188522-114	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/08/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620

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	370	17
Endrin	38 C	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	39	17
Endrin aldehyde	ND	17
4,4'-DDT	130 C #	17
gamma-Chlordane	11 C	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	660	300

Surrogate	%REC	Limits
TCMX	80	41-123
Decachlorobiphenyl	136	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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-13 COMP	Batch#:	116094
Lab ID:	188522-115	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620

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	38	17
4,4'-DDE	580	17
Endrin	76	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	66	17
Endrin aldehyde	ND	17
4,4'-DDT	250 #	17
gamma-Chlordane	37 C	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	140 #	86
Toxaphene	1,500	300

Surrogate	%REC	Limits
TCMX	118	41-123
Decachlorobiphenyl	123	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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-14 COMP	Batch#:	116094
Lab ID:	188522-116	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620

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	21	17
4,4'-DDE	430	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	39	17
Endrin aldehyde	ND	17
4,4'-DDT	38	17
gamma-Chlordane	14	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	960	300

Surrogate	%REC	Limits
TCMX	113	41-123
Decachlorobiphenyl	135	45-140

ND= Not Detected
 RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-15 COMP	Batch#:	116094
Lab ID:	188522-117	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620

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	35	17
4,4'-DDE	570	17
Endrin	46	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	49	17
Endrin aldehyde	ND	17
4,4'-DDT	220 #	17
gamma-Chlordane	20 C	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	1,300	300

Surrogate	%REC	Limits
TCMX	84	41-123
Decachlorobiphenyl	123	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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-16 COMP	Batch#:	116094
Lab ID:	188522-118	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620

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	27	17
4,4'-DDE	620	17
Endrin	72	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	61	17
Endrin aldehyde	ND	17
4,4'-DDT	250 #	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	1,400	300

Surrogate	%REC	Limits
TCMX	104	41-123
Decachlorobiphenyl	128	45-140

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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-17 COMP	Batch#:	116094
Lab ID:	188522-119	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/09/06

Cleanup Method: EPA 3620

Analyte	Result	RL	Diln Fac
alpha-BHC	ND	8.6	5.000
beta-BHC	ND	8.6	5.000
gamma-BHC	ND	8.6	5.000
delta-BHC	ND	8.6	5.000
Heptachlor	ND	8.6	5.000
Aldrin	ND	8.6	5.000
Heptachlor epoxide	ND	8.6	5.000
Endosulfan I	ND	8.6	5.000
Dieldrin	62	17	5.000
4,4'-DDE	790	33	10.00
Endrin	32 C	17	5.000
Endosulfan II	ND	17	5.000
Endosulfan sulfate	ND	17	5.000
4,4'-DDD	100	17	5.000
Endrin aldehyde	ND	17	5.000
4,4'-DDT	110 #	17	5.000
gamma-Chlordane	34 C	8.6	5.000
alpha-Chlordane	ND	8.6	5.000
Methoxychlor	ND	86	5.000
Toxaphene	970	300	5.000

Surrogate	%REC	Limits	Diln Fac
TCMX	77	41-123	5.000
Decachlorobiphenyl	121	45-140	5.000

#= 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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-18 COMP	Batch#:	116094
Lab ID:	188522-120	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/09/06

Cleanup Method: EPA 3620

Analyte	Result	RL	Diln Fac
alpha-BHC	ND	8.4	5.000
beta-BHC	ND	8.4	5.000
gamma-BHC	ND	8.4	5.000
delta-BHC	ND	8.4	5.000
Heptachlor	ND	8.4	5.000
Aldrin	ND	8.4	5.000
Heptachlor epoxide	ND	8.4	5.000
Endosulfan I	ND	8.4	5.000
Dieldrin	56	16	5.000
4,4'-DDE	870	33	10.00
Endrin	46	16	5.000
Endosulfan II	ND	16	5.000
Endosulfan sulfate	ND	16	5.000
4,4'-DDD	81	16	5.000
Endrin aldehyde	ND	16	5.000
4,4'-DDT	200 #	16	5.000
gamma-Chlordane	22 C	8.4	5.000
alpha-Chlordane	ND	8.4	5.000
Methoxychlor	ND	84	5.000
Toxaphene	1,700	300	5.000

Surrogate	%REC	Limits	Diln Fac
TCMX	89	41-123	5.000
Decachlorobiphenyl	134	45-140	5.000

#= 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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-19 COMP	Batch#:	116094
Lab ID:	188522-121	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620

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	30	17
4,4'-DDE	500	17
Endrin	42	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	38	17
Endrin aldehyde	ND	17
4,4'-DDT	150 C #	17
gamma-Chlordane	14	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	1,000	300

Surrogate	%REC	Limits
TCMX	78	41-123
Decachlorobiphenyl	114	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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-20 COMP	Batch#:	116094
Lab ID:	188522-122	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620

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	36	16
4,4'-DDE	530	16
Endrin	53 C	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	54	16
Endrin aldehyde	ND	16
4,4'-DDT	190 C #	16
gamma-Chlordane	16 C	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	1,100	300

Surrogate	%REC	Limits
TCMX	92	41-123
Decachlorobiphenyl	121	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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-21 COMP	Batch#:	116168
Lab ID:	188522-123	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	33 C	17
4,4'-DDE	540	17
Endrin	23	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	43	17
Endrin aldehyde	ND	17
4,4'-DDT	160 C	17
gamma-Chlordane	14	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	1,200	300

Surrogate	%REC	Limits
TCMX	121	41-123
Decachlorobiphenyl	118	45-140

C= Presence confirmed, but RPD between columns exceeds 40%

ND= Not Detected

RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-22 COMP	Batch#:	116168
Lab ID:	188522-124	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	12 C	8.5
Endosulfan I	ND	8.5
Dieldrin	41	17
4,4'-DDE	540	17
Endrin	34	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	78	17
Endrin aldehyde	ND	17
4,4'-DDT	260 C #	17
gamma-Chlordane	16	8.5
alpha-Chlordane	9.2 C	8.5
Methoxychlor	ND	85
Toxaphene	1,500	300

Surrogate	%REC	Limits
TCMX	101	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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-23 COMP	Batch#:	116168
Lab ID:	188522-125	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.6
beta-BHC	ND	8.6
gamma-BHC	ND	8.6
delta-BHC	ND	8.6
Heptachlor	ND	8.6
Aldrin	ND	8.6
Heptachlor epoxide	ND	8.6
Endosulfan I	ND	8.6
Dieldrin	18 C	17
4,4'-DDE	430	17
Endrin	37	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	36	17
Endrin aldehyde	ND	17
4,4'-DDT	150	17
gamma-Chlordane	9.9	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	800	300

Surrogate	%REC	Limits
TCMX	64	41-123
Decachlorobiphenyl	120	45-140

C= Presence confirmed, but RPD between columns exceeds 40%

ND= Not Detected

RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-24 COMP	Batch#:	116168
Lab ID:	188522-126	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.4
beta-BHC	ND	8.4
gamma-BHC	ND	8.4
delta-BHC	ND	8.4
Heptachlor	ND	8.4
Aldrin	ND	8.4
Heptachlor epoxide	ND	8.4
Endosulfan I	ND	8.4
Dieldrin	ND	16
4,4'-DDE	560	16
Endrin	70	16
Endosulfan II	ND	16
Endosulfan sulfate	46 C	16
4,4'-DDD	47 #	16
Endrin aldehyde	ND	16
4,4'-DDT	200 C	16
gamma-Chlordane	17 C	8.4
alpha-Chlordane	ND	8.4
Methoxychlor	150 C	84
Toxaphene	1,700	300

Surrogate	%REC	Limits
TCMX	80	41-123
Decachlorobiphenyl	85	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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-25 COMP	Batch#:	116168
Lab ID:	188522-127	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	29	16
4,4'-DDE	480	16
Endrin	36	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	49 #	16
Endrin aldehyde	ND	16
4,4'-DDT	130	16
gamma-Chlordane	13	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	870	300

Surrogate	%REC	Limits
TCMX	45	41-123
Decachlorobiphenyl	52	45-140

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

ND= Not Detected

RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-26 COMP	Batch#:	116168
Lab ID:	188522-128	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	19 C	16
4,4'-DDE	350	16
Endrin	27	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	43	16
Endrin aldehyde	ND	16
4,4'-DDT	50	16
gamma-Chlordane	9.0	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	1,000	300

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

C= Presence confirmed, but RPD between columns exceeds 40%

ND= Not Detected

RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-27 COMP	Batch#:	116168
Lab ID:	188522-129	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.4
beta-BHC	ND	8.4
gamma-BHC	ND	8.4
delta-BHC	ND	8.4
Heptachlor	ND	8.4
Aldrin	ND	8.4
Heptachlor epoxide	ND	8.4
Endosulfan I	ND	8.4
Dieldrin	29	16
4,4'-DDE	500	16
Endrin	42	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	55	16
Endrin aldehyde	ND	16
4,4'-DDT	180	16
gamma-Chlordane	15 C	8.4
alpha-Chlordane	ND	8.4
Methoxychlor	ND	84
Toxaphene	1,200	300

Surrogate	%REC	Limits
TCMX	96	41-123
Decachlorobiphenyl	99	45-140

C= Presence confirmed, but RPD between columns exceeds 40%

ND= Not Detected

RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-28 COMP	Batch#:	116168
Lab ID:	188522-130	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06

Cleanup Method: EPA 3620B

Analyte	Result	RL	Diln Fac
alpha-BHC	ND	8.6	5.000
beta-BHC	ND	8.6	5.000
gamma-BHC	ND	8.6	5.000
delta-BHC	ND	8.6	5.000
Heptachlor	ND	8.6	5.000
Aldrin	ND	8.6	5.000
Heptachlor epoxide	ND	8.6	5.000
Endosulfan I	ND	8.6	5.000
Dieldrin	47 C	17	5.000
4,4'-DDE	900	33	10.00
Endrin	70	17	5.000
Endosulfan II	ND	17	5.000
Endosulfan sulfate	58 C	17	5.000
4,4'-DDD	110 #	17	5.000
Endrin aldehyde	ND	17	5.000
4,4'-DDT	310 C	17	5.000
gamma-Chlordane	25 C	8.6	5.000
alpha-Chlordane	13 C	8.6	5.000
Methoxychlor	170 C	86	5.000
Toxaphene	2,000	300	5.000

Surrogate	%REC	Limits	Diln Fac
TCMX	52	41-123	5.000
Decachlorobiphenyl	136	45-140	5.000

#= 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

Organochlorine Pesticides			
Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-29 COMP	Batch#:	116168
Lab ID:	188522-131	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.4
beta-BHC	ND	8.4
gamma-BHC	ND	8.4
delta-BHC	ND	8.4
Heptachlor	ND	8.4
Aldrin	ND	8.4
Heptachlor epoxide	ND	8.4
Endosulfan I	ND	8.4
Dieldrin	24	16
4,4'-DDE	300	16
Endrin	25	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	40	16
Endrin aldehyde	ND	16
4,4'-DDT	49	16
gamma-Chlordane	ND	8.4
alpha-Chlordane	ND	8.4
Methoxychlor	ND	84
Toxaphene	1,000	300

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

ND= Not Detected
 RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-30 COMP	Batch#:	116168
Lab ID:	188522-132	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.4
beta-BHC	ND	8.4
gamma-BHC	ND	8.4
delta-BHC	ND	8.4
Heptachlor	ND	8.4
Aldrin	ND	8.4
Heptachlor epoxide	ND	8.4
Endosulfan I	ND	8.4
Dieldrin	35	16
4,4'-DDE	370	16
Endrin	ND	16
Endosulfan II	ND	16
Endosulfan sulfate	ND	16
4,4'-DDD	53	16
Endrin aldehyde	31 C	16
4,4'-DDT	17	16
gamma-Chlordane	11	8.4
alpha-Chlordane	ND	8.4
Methoxychlor	ND	84
Toxaphene	640	300

Surrogate	%REC	Limits
TCMX	41	41-123
Decachlorobiphenyl	117	45-140

C= Presence confirmed, but RPD between columns exceeds 40%

ND= Not Detected

RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-31 COMP	Batch#:	116168
Lab ID:	188522-133	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.6
beta-BHC	ND	8.6
gamma-BHC	ND	8.6
delta-BHC	ND	8.6
Heptachlor	ND	8.6
Aldrin	ND	8.6
Heptachlor epoxide	ND	8.6
Endosulfan I	ND	8.6
Dieldrin	39	17
4,4'-DDE	450	17
Endrin	49 C	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	64 #	17
Endrin aldehyde	ND	17
4,4'-DDT	79	17
gamma-Chlordane	24 C	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	940	300

Surrogate	%REC	Limits
TCMX	62	41-123
Decachlorobiphenyl	100	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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-32 COMP	Batch#:	116168
Lab ID:	188522-134	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.7
beta-BHC	ND	8.7
gamma-BHC	ND	8.7
delta-BHC	ND	8.7
Heptachlor	ND	8.7
Aldrin	ND	8.7
Heptachlor epoxide	ND	8.7
Endosulfan I	ND	8.7
Dieldrin	66	17
4,4'-DDE	600	17
Endrin	30	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	130 #	17
Endrin aldehyde	ND	17
4,4'-DDT	52	17
gamma-Chlordane	27 C	8.7
alpha-Chlordane	ND	8.7
Methoxychlor	ND	87
Toxaphene	1,300	310

Surrogate	%REC	Limits
TCMX	58	41-123
Decachlorobiphenyl	111	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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-33 COMP	Batch#:	116168
Lab ID:	188522-135	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.6
beta-BHC	ND	8.6
gamma-BHC	ND	8.6
delta-BHC	ND	8.6
Heptachlor	ND	8.6
Aldrin	ND	8.6
Heptachlor epoxide	ND	8.6
Endosulfan I	ND	8.6
Dieldrin	ND	17
4,4'-DDE	240	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	24 #	17
Endrin aldehyde	ND	17
4,4'-DDT	66 C	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	1,200	300

Surrogate	%REC	Limits
TCMX	97	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

Organochlorine Pesticides

Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-34 COMP	Batch#:	116168
Lab ID:	188522-136	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.6
beta-BHC	ND	8.6
gamma-BHC	ND	8.6
delta-BHC	ND	8.6
Heptachlor	ND	8.6
Aldrin	ND	8.6
Heptachlor epoxide	ND	8.6
Endosulfan I	ND	8.6
Dieldrin	ND	17
4,4'-DDE	220	17
Endrin	ND	17
Endosulfan II	ND	17
Endosulfan sulfate	ND	17
4,4'-DDD	33 #	17
Endrin aldehyde	ND	17
4,4'-DDT	52 C	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	700	300

Surrogate	%REC	Limits
TCMX	77	41-123
Decachlorobiphenyl	90	45-140

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

C= Presence confirmed, but RPD between columns exceeds 40%

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Organochlorine Pesticides			
Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC350610	Batch#:	116094
Matrix:	Soil	Prepared:	08/05/06
Units:	ug/Kg	Analyzed:	08/08/06
Basis:	as received		

Cleanup Method: EPA 3620

Analyte	Result	RL
alpha-BHC	ND	1.7
beta-BHC	ND	1.7
gamma-BHC	ND	1.7
delta-BHC	ND	1.7
Heptachlor	ND	1.7
Aldrin	ND	1.7
Heptachlor epoxide	ND	1.7
Endosulfan I	ND	1.7
Dieldrin	ND	3.3
4,4'-DDE	ND	3.3
Endrin	ND	3.3
Endosulfan II	ND	3.3
Endosulfan sulfate	ND	3.3
4,4'-DDD	ND	3.3
Endrin aldehyde	ND	3.3
4,4'-DDT	ND	3.3
gamma-Chlordane	ND	1.7
alpha-Chlordane	ND	1.7
Methoxychlor	ND	17
Toxaphene	ND	61

Surrogate	%REC	Limits
TCMX	78	41-123
Decachlorobiphenyl	107	45-140

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Organochlorine Pesticides			
Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC350888	Batch#:	116168
Matrix:	Soil	Prepared:	08/08/06
Units:	ug/Kg	Analyzed:	08/09/06
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	56	41-123
Decachlorobiphenyl	70	45-140

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Organochlorine Pesticides			
Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC350611	Batch#:	116094
Matrix:	Soil	Prepared:	08/05/06
Units:	ug/Kg	Analyzed:	08/09/06
Basis:	as received		

Cleanup Method: EPA 3620

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.31	12.18	92	42-124
Heptachlor	13.31	12.32	93	43-129
Aldrin	13.31	12.67	95	46-122
Dieldrin	26.62	26.06	98	49-130
Endrin	26.62	24.63	93	48-132
4,4'-DDT	26.62	25.00	94	45-142

Surrogate	%REC	Limits
TCMX	117	41-123
Decachlorobiphenyl	138	45-140

Batch QC Report

Organochlorine Pesticides			
Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC350889	Batch#:	116168
Matrix:	Soil	Prepared:	08/08/06
Units:	ug/Kg	Analyzed:	08/09/06
Basis:	as received		

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits
gamma-BHC	13.40	9.234	69	42-124
Heptachlor	13.40	9.747	73	43-129
Aldrin	13.40	10.13	76	46-122
Dieldrin	26.80	23.27 #	87	49-130
Endrin	26.80	21.76	81	48-132
4,4'-DDT	26.80	21.16	79	45-142

Surrogate	%REC	Limits
TCMX	62	41-123
Decachlorobiphenyl	85	45-140

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

Batch QC Report

Organochlorine Pesticides			
Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-1 COMP	Batch#:	116094
MSS Lab ID:	188522-013	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/05/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Type: MS
Lab ID: QC350612

Cleanup Method: EPA 3620

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<0.8047	13.50	13.73	102	47-120
Heptachlor	<0.7869	13.50	12.73	94	47-127
Aldrin	<2.489	13.50	14.23	105	46-120
Dieldrin	19.00	27.01	46.08	100	48-125
Endrin	45.87	27.01	56.80	40 *	49-130
4,4'-DDT	88.43	27.01	109.0	76	31-145

Surrogate	%REC	Limits
TCMX	119	41-123
Decachlorobiphenyl	144 *	45-140

Type: MSD
Lab ID: QC350613

Cleanup Method: EPA 3620

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.53	13.95	103	47-120	1	45
Heptachlor	13.53	13.24	98	47-127	4	43
Aldrin	13.53	13.47	100	46-120	6	42
Dieldrin	27.05	42.33	86	48-125	9	41
Endrin	27.05	44.13	-6 *	49-130	25	47
4,4'-DDT	27.05	107.4	70	31-145	2	52

Surrogate	%REC	Limits
TCMX	123	41-123
Decachlorobiphenyl	132	45-140

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

Batch QC Report

Organochlorine Pesticides			
Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-21 COMP	Batch#:	116168
MSS Lab ID:	188522-123	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/09/06
Diln Fac:	5.000		

Type: MS
Lab ID: QC350890

Cleanup Method: EPA 3620B

Analyte	MSS Result	Spiked	Result	%REC	Limits
gamma-BHC	<0.8112	13.25	12.12	92	47-120
Heptachlor	<0.7933	13.25	10.34	78	47-127
Aldrin	<2.509	13.25	13.40	101	46-120
Dieldrin	32.63	26.49	44.03	43 *	48-125
Endrin	22.64	26.49	34.44	45 *	49-130
4,4'-DDT	155.4	26.49	122.6	-124 NM	31-145

Surrogate	%REC	Limits
TCMX	96	41-123
Decachlorobiphenyl	118	45-140

Type: MSD
Lab ID: QC350891

Cleanup Method: EPA 3620B

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
gamma-BHC	13.33	11.89	89	47-120	3	45
Heptachlor	13.33	11.87	89	47-127	13	43
Aldrin	13.33	12.82	96	46-120	5	42
Dieldrin	26.67	43.17	40 *	48-125	2	41
Endrin	26.67	55.27	122	49-130	46	47
4,4'-DDT	26.67	179.7	91 NM	31-145	38	52

Surrogate	%REC	Limits
TCMX	82	41-123
Decachlorobiphenyl	129	45-140

*= Value outside of QC limits; see narrative

NM= Not Meaningful: Sample concentration > 4X spike concentration

RPD= Relative Percent Difference

Arsenic			
Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	126.57.01.001	Analysis:	EPA 6010B
Analyte:	Arsenic	Diln Fac:	1.000
Matrix:	Soil	Received:	08/03/06
Units:	mg/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/08/06

Field ID	Type	Lab ID	Result	RL	Batch#	Sampled
RS-1	COMP	SAMPLE 188522-013	6.8	0.25	116139	08/02/06
RS-2	COMP	SAMPLE 188522-026	14	0.25	116139	08/02/06
RS-3	COMP	SAMPLE 188522-039	5.2	0.25	116139	08/02/06
RS-4	COMP	SAMPLE 188522-052	6.1	0.25	116139	08/02/06
RS-5	COMP	SAMPLE 188522-065	5.9	0.25	116139	08/02/06
RS-6	COMP	SAMPLE 188522-078	2.7	0.26	116139	08/02/06
RS-7	COMP	SAMPLE 188522-091	2.2	0.25	116139	08/02/06
RS-8	COMP	SAMPLE 188522-104	3.3	0.25	116139	08/02/06
RS-9	COMP	SAMPLE 188522-111	0.96	0.25	116139	08/02/06
RS-10	COMP	SAMPLE 188522-112	3.5	0.25	116139	08/02/06
RS-11	COMP	SAMPLE 188522-113	1.2	0.25	116139	08/02/06
RS-12	COMP	SAMPLE 188522-114	1.6	0.25	116139	08/02/06
RS-13	COMP	SAMPLE 188522-115	2.4	0.25	116139	08/03/06
RS-14	COMP	SAMPLE 188522-116	5.6	0.25	116139	08/02/06
RS-15	COMP	SAMPLE 188522-117	2.6	0.25	116139	08/02/06
RS-16	COMP	SAMPLE 188522-118	3.0	0.25	116139	08/02/06
RS-17	COMP	SAMPLE 188522-119	7.6	0.25	116139	08/02/06
RS-18	COMP	SAMPLE 188522-120	2.7	0.25	116139	08/02/06
RS-19	COMP	SAMPLE 188522-121	4.2	0.25	116139	08/02/06
RS-20	COMP	SAMPLE 188522-122	3.0	0.25	116139	08/02/06
RS-21	COMP	SAMPLE 188522-123	2.0	0.25	116140	08/03/06
RS-22	COMP	SAMPLE 188522-124	3.0	0.25	116140	08/03/06
RS-23	COMP	SAMPLE 188522-125	3.1	0.25	116140	08/03/06
RS-24	COMP	SAMPLE 188522-126	2.9	0.25	116140	08/03/06
RS-25	COMP	SAMPLE 188522-127	5.1	0.25	116140	08/03/06
RS-26	COMP	SAMPLE 188522-128	3.1	0.25	116140	08/03/06
RS-27	COMP	SAMPLE 188522-129	7.4	0.25	116140	08/03/06
RS-28	COMP	SAMPLE 188522-130	2.3	0.25	116140	08/03/06
RS-29	COMP	SAMPLE 188522-131	16	0.25	116140	08/03/06
RS-30	COMP	SAMPLE 188522-132	6.1	0.25	116140	08/03/06
RS-31	COMP	SAMPLE 188522-133	2.5	0.25	116140	08/03/06
RS-32	COMP	SAMPLE 188522-134	16	0.25	116140	08/03/06
RS-33	COMP	SAMPLE 188522-135	7.9	0.26	116140	08/03/06
RS-34	COMP	SAMPLE 188522-136	14	0.25	116140	08/03/06
		BLANK QC350782	ND	0.25	116139	
		BLANK QC350787	ND	0.25	116140	

Batch QC Report

Arsenic

Lab #: 188522 Location: Rogers Site
 Client: PES Environmental, Inc. EPA 3050B
 Project#: 126.57.01.001 EPA 6010B
 Analyte: Arsenic Diln Fac: 1.000
 Matrix: Soil Received: 08/03/06
 Units: mg/Kg Prepared: 08/08/06
 Basis: as received Analyzed: 08/08/06

Field ID	Type	MSS Lab ID	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Batch#	Sampled
	BS		QC350783		50.00	51.41	103	80-120			116139	
	BSD		QC350784		50.00	50.53	101	80-120	2	20	116139	
RS-1 COMP	MS	188522-013	QC350785	6.771	42.74	49.67	100	74-120			116139	08/02/06
RS-1 COMP	MSD	188522-013	QC350786		51.55	60.69	105	74-120	4	20	116139	08/02/06
	BS		QC350788		50.00	52.55	105	80-120			116140	
	BSD		QC350789		50.00	51.16	102	80-120	3	20	116140	
RS-21 COMP	MS	188522-123	QC350790	1.994	40.32	42.69	101	74-120			116140	08/03/06
RS-21 COMP	MSD	188522-123	QC350791		41.32	43.97	102	74-120	1	20	116140	08/03/06

RPD= Relative Percent Difference



Lead			
Lab #:	188522	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	126.57.01.001	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Matrix:	Soil	Received:	08/03/06
Units:	mg/Kg	Prepared:	08/08/06
Basis:	as received	Analyzed:	08/08/06

Field ID	Type	Lab ID	Result	RL	Batch#	Sampled
RS-1	COMP	SAMPLE 188522-013	7.5	0.15	116139	08/02/06
RS-2	COMP	SAMPLE 188522-026	7.4	0.15	116139	08/02/06
RS-3	COMP	SAMPLE 188522-039	11	0.15	116139	08/02/06
RS-4	COMP	SAMPLE 188522-052	9.1	0.15	116139	08/02/06
RS-5	COMP	SAMPLE 188522-065	6.6	0.15	116139	08/02/06
RS-6	COMP	SAMPLE 188522-078	8.7	0.15	116139	08/02/06
RS-7	COMP	SAMPLE 188522-091	12	0.15	116139	08/02/06
RS-8	COMP	SAMPLE 188522-104	8.1	0.15	116139	08/02/06
RS-9	COMP	SAMPLE 188522-111	9.3	0.15	116139	08/02/06
RS-10	COMP	SAMPLE 188522-112	7.6	0.15	116139	08/02/06
RS-11	COMP	SAMPLE 188522-113	8.4	0.15	116139	08/02/06
RS-12	COMP	SAMPLE 188522-114	12	0.15	116139	08/02/06
RS-13	COMP	SAMPLE 188522-115	8.8	0.15	116139	08/03/06
RS-14	COMP	SAMPLE 188522-116	6.3	0.15	116139	08/02/06
RS-15	COMP	SAMPLE 188522-117	8.7	0.15	116139	08/02/06
RS-16	COMP	SAMPLE 188522-118	9.5	0.15	116139	08/02/06
RS-17	COMP	SAMPLE 188522-119	11	0.15	116139	08/02/06
RS-18	COMP	SAMPLE 188522-120	9.3	0.15	116139	08/02/06
RS-19	COMP	SAMPLE 188522-121	9.3	0.15	116139	08/02/06
RS-20	COMP	SAMPLE 188522-122	10	0.15	116139	08/02/06
RS-21	COMP	SAMPLE 188522-123	7.6	0.15	116140	08/03/06
RS-22	COMP	SAMPLE 188522-124	15	0.15	116140	08/03/06
RS-23	COMP	SAMPLE 188522-125	9.3	0.15	116140	08/03/06
RS-24	COMP	SAMPLE 188522-126	12	0.15	116140	08/03/06
RS-25	COMP	SAMPLE 188522-127	10	0.15	116140	08/03/06
RS-26	COMP	SAMPLE 188522-128	8.2	0.15	116140	08/03/06
RS-27	COMP	SAMPLE 188522-129	10	0.15	116140	08/03/06
RS-28	COMP	SAMPLE 188522-130	8.2	0.15	116140	08/03/06
RS-29	COMP	SAMPLE 188522-131	15	0.15	116140	08/03/06
RS-30	COMP	SAMPLE 188522-132	10	0.15	116140	08/03/06
RS-31	COMP	SAMPLE 188522-133	8.6	0.15	116140	08/03/06
RS-32	COMP	SAMPLE 188522-134	14	0.15	116140	08/03/06
RS-33	COMP	SAMPLE 188522-135	11	0.16	116140	08/03/06
RS-34	COMP	SAMPLE 188522-136	9.7	0.15	116140	08/03/06
	BLANK	QC350782	ND	0.15	116139	
	BLANK	QC350787	ND	0.15	116140	

Batch QC Report

Lead

Lab #: 188522 Location: Rogers Site
 Client: PES Environmental, Inc. EPA 3050B
 Project#: 126.57.01.001 EPA 6010B
 Analyte: Lead Diln Fac: 1.000
 Matrix: Soil Received: 08/03/06
 Units: mg/Kg Prepared: 08/08/06
 Basis: as received Analyzed: 08/08/06

Field ID	Type	MSS Lab ID	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Batch#	Sampled
	BS		QC350783		100.0	101.4	101	80-120			116139	
	BSD		QC350784		100.0	100.4	100	80-120	1	20	116139	
RS-1 COMP	MS	188522-013	QC350785	7.488	85.47	83.41	89	57-120			116139	08/02/06
RS-1 COMP	MSD	188522-013	QC350786		103.1	103.7	93	57-120	4	20	116139	08/02/06
	BS		QC350788		100.0	106.5	107	80-120			116140	
	BSD		QC350789		100.0	103.4	103	80-120	3	20	116140	
RS-21 COMP	MS	188522-123	QC350790	7.591	80.65	79.83	90	57-120			116140	08/03/06
RS-21 COMP	MSD	188522-123	QC350791		82.64	82.13	90	57-120	1	20	116140	08/03/06

RPD= Relative Percent Difference



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

CHAIN OF CUSTODY

Analysis

C & T LOGIN #: 188522

Sampler: M. Rice, Patterson
 Report To: _____
 Company: PES. Environmental
 Telephone: 415-899-1600

Project No.: 126.57.01.001
 Project Name: Rogers Side
 Project P.O.: _____
 Turnaround Time: _____

Fax: _____

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative							
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE				
14	RS-5A - 0.5	8/2 1615	X			1				X				
15	-5B - 0.5	1645												
16	-5B - 1.0	1647												
17	-6A - 0.5	1641												
18	-6B - 0.5	1637												
19	-6B - 1.0	1638												
20	-7A - 0.5	1634												
21	-7B - 0.5	1630												
22	-7B - 1.0	1631												
23	-8A - 0.5	1650												
24	-8B - 0.5	1653												
25	-8B - 1.0	1654												
26	RS-2 Camp													

Notes: 27 Camp side

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

EPA 8681	X																			
Arsenic 501B	X																			
Lead 601B	X																			
81514																				

RECEIVED BY: J. Ingram 8/30/06 14:45
 DATE / TIME

RELINQUISHED BY: [Signature] 8/30/06 14:45
 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

Analysis

C & T LOGIN #: 188522

Sampler: M. Rice, J. Patterson
 Report To: _____
 Company: PES Environmental
 Telephone: 415-899-1600
 Fax: _____

Project No.: 126.57.01.001
 Project Name: Rogers Site
 Project P.O.: _____
 Turnaround Time: _____

EA 8081	X	Asenic 601B																		
Lead 601B	X																			
8151A																				

RECEIVED BY: Gal. Sengum 8/31/06 14:45
 DATE / TIME

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative													
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE										
-53	RS 17 A - 0.5	8/2 822	X								X									
-54	17 B - 0.5	824																		
-55	17 B - 1.0	830																		
-56	18 A - 0.5	837																		
-57	18 B - 0.5	841																		
-58	18 B - 1.0	842																		
-59	19 A - 0.5	846																		
-60	19 B - 0.5	848																		
-61	19 B - 1.0	849																		
-62	20 A - 0.5	854																		
-63	20 B - 0.5	857																		
-64	20 B - 1.0	859																		
-65	RS-5 Comp																			

RELINQUISHED BY: Justin Lott
 DATE / TIME

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

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

Analysis

C & T LOGIN #: 188522

Sampler: M. Rzo / J. Patterson
 Report To: A. Loewen
 Company: PES Environmental, Inc.
 Telephone: 415-899-1600
 Fax: _____

Project No.: 126-57-01.001
 Project Name: Rogers site
 Project P.O.: _____
 Turnaround Time: _____

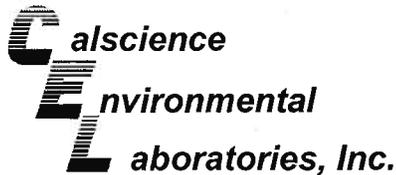
Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative							
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE				
92	RS-29A-0.5	8/3 1023	X							X				
93	29B-0.5	1020												
94	29B-1.0	1021												
95	30A-0.5	1016												
96	30B-0.5	1012												
97	30B-1.0	1013												
98	31A-0.5	1054												
99	31B-0.5	1135												
100	31B-1.0	1136												
101	32A-0.5	1048												
102	32B-0.5	1050												
103	32B-1.0	1051												
104	RS-8 Camp													

RECEIVED BY:	DATE / TIME
<u>Paul Ingram</u>	<u>8/3/06 14:45</u>

RELINQUISHED BY: [Signature] 1 hr 12
 DATE / TIME: 8/3 1320

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

SIGNATURE



August 21, 2006

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

Subject: **Calscience Work Order No.: 06-08-0384**
Client Reference: 188522

Dear Client:

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

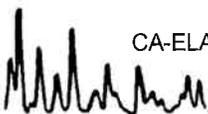
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows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

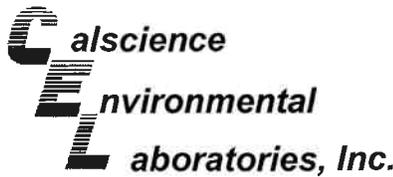
If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "Jason Torres".

Calscience Environmental
Laboratories, Inc.
Jason Torres
Project Manager





Analytical Report



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

Date Received: 08/05/06
Work Order No: 06-08-0384
Preparation: EPA 8151A
Method: EPA 8151A
Units: ug/kg

Project: 188522

Page 1 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
RS-1 COMP	06-08-0384-1	08/02/06	Solid	08/07/06	08/12/06	060807L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual					
2,4-Dichlorophenylacetic acid	116	30-130							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
RS-7 COMP	06-08-0384-2	08/02/06	Solid	08/07/06	08/12/06	060807L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual					
2,4-Dichlorophenylacetic acid	109	30-130							

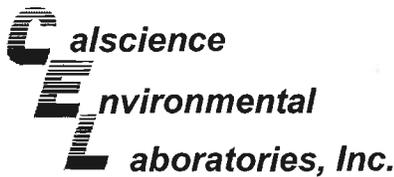
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
RS-10 COMP	06-08-0384-3	08/02/06	Solid	08/07/06	08/12/06	060807L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual					
2,4-Dichlorophenylacetic acid	106	30-130							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
RS-23 COMP	06-08-0384-4	08/03/06	Solid	08/07/06	08/12/06	060807L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual					
2,4-Dichlorophenylacetic acid	111	30-130							

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



Analytical Report



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

Date Received: 08/05/06
Work Order No: 06-08-0384
Preparation: EPA 8151A
Method: EPA 8151A
Units: ug/kg

Project: 188522

Page 2 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
RS-24 COMP	06-08-0384-5	08/03/06	Solid	08/07/06	08/12/06	060807L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual					
2,4-Dichlorophenylacetic acid	120	30-130							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
RS-28 COMP	06-08-0384-6	08/03/06	Solid	08/07/06	08/14/06	060807L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual					
2,4-Dichlorophenylacetic acid	155	30-130		2.					

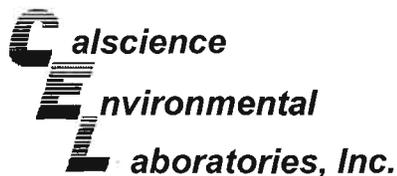
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
RS-30 COMP	06-08-0384-7	08/03/06	Solid	08/07/06	08/14/06	060807L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual					
2,4-Dichlorophenylacetic acid	121	30-130							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
RS-34 COMP	06-08-0384-8	08/03/06	Solid	08/07/06	08/14/06	060807L13

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual					
2,4-Dichlorophenylacetic acid	112	30-130							

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



Analytical Report



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

Date Received: 08/05/06
 Work Order No: 06-08-0384
 Preparation: EPA 8151A
 Method: EPA 8151A
 Units: ug/kg

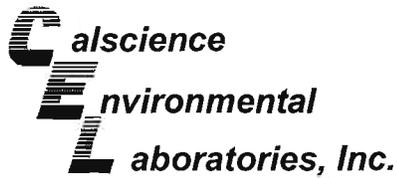
Project: 188522

Page 3 of 3

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

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual					
2,4-Dichlorophenylacetic acid	119	30-130							

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



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 06-08-0384
Preparation: EPA 8151A
Method: EPA 8151A

Project: 188522

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

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

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 06-08-0384

<u>Qualifier</u>	<u>Definition</u>
*	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.

0594

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

Project Number: 188522
 Site: Rogers 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 RS-1 COMP	08/02 16:08	Soil	8150	188522-013	
2 RS-7 COMP	08/02 16:30	Soil	8150	188522-091	
3 RS-10 COMP	08/02 17:13	Soil	8150	188522-112	
4 RS-23 COMP	08/03 09:15	Soil	8150	188522-125	
5 RS-24 COMP	08/03 10:08	Soil	8150	188522-126	
6 RS-28 COMP	08/03 10:27	Soil	8150	188522-130	
7 RS-30 COMP	08/03 10:16	Soil	8150	188522-132	
8 RS-34 COMP	08/03 11:28	Soil	8150	188522-136	

Notes:	Relinquished By:	Received By:
	<i>Ruby</i>	
	Date/Time: 8/14/06 16:30	Date/Time:

Relinquished: all overnight received. *J. J. Jca* 8/15/06 @ 11:00.

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



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

Prepared for:

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

Date: 06-SEP-06
Lab Job Number: 188766
Project ID: 126.57.01.001
Location: Rogers 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.

CASE NARRATIVE

Laboratory number: 188766
Client: PES Environmental, Inc.
Project: 126.57.01.001
Location: Rogers Site
Request Date: 08/16/06
Samples Received: 08/03/06

This hardcopy data package contains sample and QC results for eight soil samples, requested for the above referenced project on 08/16/06. The samples were received cold and intact.

Pesticides (EPA 8081A):

No analytical problems were encountered.

Organochlorine Pesticides

Lab #:	188766	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-1B-1.0	Batch#:	116460
Lab ID:	188766-001	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/16/06
Basis:	as received	Analyzed:	08/22/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.5
beta-BHC	ND	8.5
gamma-BHC	ND	8.5
delta-BHC	ND	8.5
Heptachlor	ND	8.5
Aldrin	ND	8.5
Heptachlor epoxide	ND	8.5
Endosulfan I	ND	8.5
Dieldrin	ND	17
4,4'-DDE	140	17
Endrin	ND	17
Endosulfan II	20 C	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	18	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	71	41-123
Decachlorobiphenyl	76	45-140

C= Presence confirmed, but RPD between columns exceeds 40%

ND= Not Detected

RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188766	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-9B-1.0	Batch#:	116460
Lab ID:	188766-002	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/16/06
Basis:	as received	Analyzed:	08/22/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.4
beta-BHC	ND	8.4
gamma-BHC	ND	8.4
delta-BHC	ND	8.4
Heptachlor	ND	8.4
Aldrin	ND	8.4
Heptachlor epoxide	ND	8.4
Endosulfan I	ND	8.4
Dieldrin	ND	16
4,4'-DDE	330	16
Endrin	72	16
Endosulfan II	40 C	16
Endosulfan sulfate	ND	16
4,4'-DDD	26	16
Endrin aldehyde	ND	16
4,4'-DDT	70	16
gamma-Chlordane	ND	8.4
alpha-Chlordane	ND	8.4
Methoxychlor	ND	84
Toxaphene	850	300

Surrogate	%REC	Limits
TCMX	72	41-123
Decachlorobiphenyl	122	45-140

C= Presence confirmed, but RPD between columns exceeds 40%

ND= Not Detected

RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188766	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-10B-1.0	Batch#:	116460
Lab ID:	188766-003	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/16/06
Basis:	as received	Analyzed:	08/22/06
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	210	17
Endrin	37	17
Endosulfan II	25	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	35	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	121	45-140

ND= Not Detected
 RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188766	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-16B-1.0	Batch#:	116460
Lab ID:	188766-004	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/16/06
Basis:	as received	Analyzed:	08/22/06
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	140	33
Endrin	ND	33
Endosulfan II	ND	33
Endosulfan sulfate	ND	33
4,4'-DDD	ND	33
Endrin aldehyde	ND	33
4,4'-DDT	ND	33
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

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

Organochlorine Pesticides

Lab #:	188766	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-18B-1.0	Batch#:	116460
Lab ID:	188766-005	Sampled:	08/02/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/16/06
Basis:	as received	Analyzed:	08/22/06
Diln Fac:	5.000		

Cleanup Method: EPA 3620B

Analyte	Result	RL
alpha-BHC	ND	8.6
beta-BHC	ND	8.6
gamma-BHC	ND	8.6
delta-BHC	ND	8.6
Heptachlor	ND	8.6
Aldrin	ND	8.6
Heptachlor epoxide	ND	8.6
Endosulfan I	ND	8.6
Dieldrin	ND	17
4,4'-DDE	530	17
Endrin	60	17
Endosulfan II	48	17
Endosulfan sulfate	ND	17
4,4'-DDD	61 C	17
Endrin aldehyde	ND	17
4,4'-DDT	83	17
gamma-Chlordane	ND	8.6
alpha-Chlordane	ND	8.6
Methoxychlor	ND	86
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	80	41-123
Decachlorobiphenyl	98	45-140

C= Presence confirmed, but RPD between columns exceeds 40%

ND= Not Detected

RL= Reporting Limit

Organochlorine Pesticides

Lab #:	188766	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-25B-1.0	Batch#:	116460
Lab ID:	188766-006	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/16/06
Basis:	as received	Analyzed:	08/22/06
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	450	16
Endrin	65	16
Endosulfan II	52 C	16
Endosulfan sulfate	ND	16
4,4'-DDD	75 C	16
Endrin aldehyde	ND	16
4,4'-DDT	92 #	16
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	69	41-123
Decachlorobiphenyl	83	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

Organochlorine Pesticides

Lab #:	188766	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-27B-1.0	Batch#:	116460
Lab ID:	188766-007	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/16/06
Basis:	as received	Analyzed:	08/22/06
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	660	33
Endrin	140	33
Endosulfan II	72 C	33
Endosulfan sulfate	ND	33
4,4'-DDD	53	33
Endrin aldehyde	ND	33
4,4'-DDT	170	33
gamma-Chlordane	ND	17
alpha-Chlordane	ND	17
Methoxychlor	ND	170
Toxaphene	2,600	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

Organochlorine Pesticides

Lab #:	188766	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Field ID:	RS-34B-1.0	Batch#:	116460
Lab ID:	188766-008	Sampled:	08/03/06
Matrix:	Soil	Received:	08/03/06
Units:	ug/Kg	Prepared:	08/16/06
Basis:	as received	Analyzed:	08/22/06
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	220	17
Endrin	ND	17
Endosulfan II	34	17
Endosulfan sulfate	ND	17
4,4'-DDD	ND	17
Endrin aldehyde	ND	17
4,4'-DDT	46 C #	17
gamma-Chlordane	ND	8.5
alpha-Chlordane	ND	8.5
Methoxychlor	ND	85
Toxaphene	ND	300

Surrogate	%REC	Limits
TCMX	89	41-123
Decachlorobiphenyl	112	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

Batch QC Report

Organochlorine Pesticides			
Lab #:	188766	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC352099	Batch#:	116460
Matrix:	Soil	Prepared:	08/16/06
Units:	ug/Kg	Analyzed:	08/18/06
Basis:	as received		

Cleanup Method: EPA 3620B

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

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

ND= Not Detected

RL= Reporting Limit

Batch QC Report

Organochlorine Pesticides			
Lab #:	188766	Location:	Rogers Site
Client:	PES Environmental, Inc.	Prep:	EPA 3550B
Project#:	126.57.01.001	Analysis:	EPA 8081A
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC352100	Batch#:	116460
Matrix:	Soil	Prepared:	08/16/06
Units:	ug/Kg	Analyzed:	08/18/06
Basis:	as received		

Cleanup Method: EPA 3620B

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

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

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

CHAIN OF CUSTODY

Analysis

C & T LOGIN #: _____

Sampler: *M. Ross / [Signature]*

Project No.: *265701001*

Project Name: *Rogers S. de*

Project P.O.: _____

Report To: _____

Company: *RES. Environmental*

Telephone: *415-899-1200*

Turnaround Time: _____

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative							
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE				
<i>14</i>	<i>RS-5A-0.5</i>	<i>8/2 615</i>	<i>X</i>			<i>1</i>				<i>X</i>				
<i>15</i>	<i>-5B-0.5</i>	<i>645</i>												
<i>16</i>	<i>-5B-1.0</i>	<i>647</i>												
<i>17</i>	<i>-6A-0.5</i>	<i>641</i>												
<i>18</i>	<i>-6B-0.5</i>	<i>637</i>												
<i>19</i>	<i>-6B-1.0</i>	<i>638</i>												
<i>20</i>	<i>-7A-0.5</i>	<i>634</i>												
<i>21</i>	<i>-7B-0.5</i>	<i>630</i>												
<i>22</i>	<i>-7B-1.0</i>	<i>631</i>												
<i>23</i>	<i>-8A-0.5</i>	<i>650</i>												
<i>24</i>	<i>-8B-0.5</i>	<i>653</i>												
<i>25</i>	<i>-8B-1.0</i>	<i>654</i>												
<i>26</i>	<i>RS-2 Camp</i>													

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

RELINQUISHED BY: *[Signature]*

RECEIVED BY: *[Signature]*

DATE / TIME: *8/3 5:10*
 DATE / TIME: *8/16 14:45*
 DATE / TIME: _____
 DATE / TIME: _____

SIGNATURE

81514
8081 8/15/06 (X)
EPA 8081
Alservic 6016B
Lead 6010B

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 _____

Analysis

C & T LOGIN #: 188182

Project No.: 126571001
 Project Name: Rogers site
 Project P.O.:
 Turnaround Time:
 Sampler: M. Kim, J. R. ...
 Report To: A. ...
 Company: PES Environmental
 Telephone: 415-891-1600
 Fax:

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative							
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE				
169	RS-21A-0.5	8/3 937	X							X				
167	21B-0.5	929												
168	21B-1.0	929												
169	22A-0.5	924												
170	22B-0.5	919												
171	22B-1.0	920												
172	23A-0.5	915												
173	23B-0.5	909												
174	23B-1.0	910												
175	24A-0.5	902												
176	24B-0.5	1008												
177	24B-1.0	1009												
178	RS-10 Comp													

Notes: 29 x samples
 SAMPLE RECEIPT
 Intact Cold
 On Ice Ambient
 Preservative Correct?
 Yes No N/A

RECEIVED BY:	DATE / TIME
8151A	8/15/06 1308
EPA 8181	
Krsenic 6010 B	
Lead 6010 B	
Hold	
X X X X	
Hold	
X X X X	
Hold	
X X X X	
Hold	
X X X X	
Hold	
RECEIVED BY:	8/2/06 14:45

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

Analysis

C & T LOGIN #:

Project No.: 201506
 Project Name: Regenera Dike
 Project P.O.:
 Turnaround Time:
 Sampler: C. P. ...
 Report To: A. C. ...
 Company: PCB Environmental
 Telephone: 915 899 1600
 Fax:

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative				
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE	
79	25 A - 0.5	8/3 941	X								X
80	25 B - 0.5	949									
81	25 B - 1.0	949									
82	26 A - 0.5	953									
83	26 B - 0.5	958									
84	26 B - 1.0	959									
85	27 A - 0.5	1002									
86	27 B - 0.5	1004									
87	27 B - 1.0	1005									
88	28 A - 0.5	1013									
89	28 B - 0.5	1017									
90	28 B - 1.5	1028									
91	RS-7 Comp										

Notes: 290 + 291 + 292 + 293 + 294 + 295 + 296 + 297 + 298 + 299 + 300 + 301 + 302 + 303 + 304 + 305 + 306 + 307 + 308 + 309 + 310 + 311 + 312 + 313 + 314 + 315 + 316 + 317 + 318 + 319 + 320 + 321 + 322 + 323 + 324 + 325 + 326 + 327 + 328 + 329 + 330 + 331 + 332 + 333 + 334 + 335 + 336 + 337 + 338 + 339 + 340 + 341 + 342 + 343 + 344 + 345 + 346 + 347 + 348 + 349 + 350 + 351 + 352 + 353 + 354 + 355 + 356 + 357 + 358 + 359 + 360 + 361 + 362 + 363 + 364 + 365 + 366 + 367 + 368 + 369 + 370 + 371 + 372 + 373 + 374 + 375 + 376 + 377 + 378 + 379 + 380 + 381 + 382 + 383 + 384 + 385 + 386 + 387 + 388 + 389 + 390 + 391 + 392 + 393 + 394 + 395 + 396 + 397 + 398 + 399 + 400 + 401 + 402 + 403 + 404 + 405 + 406 + 407 + 408 + 409 + 410 + 411 + 412 + 413 + 414 + 415 + 416 + 417 + 418 + 419 + 420 + 421 + 422 + 423 + 424 + 425 + 426 + 427 + 428 + 429 + 430 + 431 + 432 + 433 + 434 + 435 + 436 + 437 + 438 + 439 + 440 + 441 + 442 + 443 + 444 + 445 + 446 + 447 + 448 + 449 + 450 + 451 + 452 + 453 + 454 + 455 + 456 + 457 + 458 + 459 + 460 + 461 + 462 + 463 + 464 + 465 + 466 + 467 + 468 + 469 + 470 + 471 + 472 + 473 + 474 + 475 + 476 + 477 + 478 + 479 + 480 + 481 + 482 + 483 + 484 + 485 + 486 + 487 + 488 + 489 + 490 + 491 + 492 + 493 + 494 + 495 + 496 + 497 + 498 + 499 + 500

RECEIVED BY: Paul Engstrom DATE / TIME: 8/20/06 14:45
 RELINQUISHED BY: A. C. ... DATE / TIME: 8/20/06 14:45

SIGNATURE

188766

-006

-007

DISTRIBUTION

**PHASE II INVESTIGATION
115-ACRE ROGERS PROPERTY
STEVENSON BOULEVARD
NEWARK, CALIFORNIA**

NOVEMBER 29, 2006

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