PES Environmental, Inc.
Engineering & Environmental Services

RECEIVED

9:32 am, Jul 20, 2009

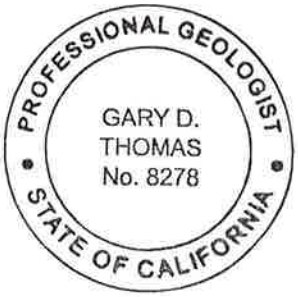
Alameda County
Environmental Health

A Report Prepared For:

Mr. John Weber
P.O. Box 304
Diablo, California 94528

SUBSURFACE INVESTIGATION AND SOIL REMEDIATION REPORT 4600-4700 COLISEUM WAY OAKLAND, CALIFORNIA

JULY 16, 2009



By:

Gary D. Thomas, P.G.
Senior Geologist

Kyle S. Flory, P.G.
Principal Geologist

1148.001.03.010

TABLE OF CONTENTS

TABLE OF CONTENTS

LIST OF TABLES

LIST OF ILLUSTRATIONS

1.0 INTRODUCTION

This report has been prepared by PES Environmental, Inc. (PES), on behalf of Mr. John Weber to document recently completed subsurface investigation and soil remediation activities conducted at 4600-4700 Coliseum Way, Oakland, California (the Site or subject property). The Site location is shown on Plate 1. Mr. Weber is the owner of the subject property.

The soil remediation activities were conducted in accordance with the document titled *Corrective Action Plan, 4600-4700 Coliseum Way, Oakland, California* (PES, 2008b) (CAP). The CAP was submitted to the Alameda County Department of Environmental Health Services (ACDEH) for review under the terms of the Alameda County Environmental Cleanup Oversight Program. The CAP was prepared to address remediation of soil impacted with volatile organic compounds (VOCs), specifically 1,1,1-trichloroethane (1,1,1-TCA) and 1,1-dichloroethane (1,1-DCA). Approval of the CAP was provided by ACDEH staff in a letter dated March 13, 2009 letter[1]; a copy of which is presented in Appendix A. In that letter, ACDEH also requested that additional confirmation soil sampling be conducted in an area of red-stained soil that was previously excavated to evaluate whether the soil with elevated concentrations of metals was sufficiently delineated and remediated. The previous excavation in the area of the red-stained soil was conducted in 2003 (Kleinfelder, Inc. [Kleinfelder], 2003). During a telephone conversation with Mr. Jerry Wickham of the ACDEH in March 2009, PES agreed to advance 23 shallow borings to evaluate whether the soil with elevated concentrations of metals in the previously excavated area of red-stained soil was sufficiently delineated and remediated. A map showing the proposed boring locations and associated sample depths agreed upon during the telephone conversation was sent to Mr. Wickham by email on March 23, 2009.

The following sections in this report include:

- Section 2.0, Background - presents a description of the Site and its history, the local geology and hydrogeology, and provides a summary of environmental conditions on adjacent properties;

- Section 3.0, Subsurface Investigation in Area of Red-Stained Soil – discusses the methods and results of the subsurface investigation in the area of red-stained soil;

- Section 4.0, Soil Remediation Activities – discusses the soil remediation activities conducted at the Site, including verification soil sample results, excavation backfilling activities, and waste management, characterization, and disposal;

- Section 5.0, Discussion – presents a discussion of the recently completed subsurface investigation and soil remediation activities, and conclusions and recommendations

[1] Alameda County Department of Environmental Health Services (ACDEH), 2009. *Subject: SLIC Case No. RO0002995 and Geotracker Global ID T10000000883, 4600-4700 Coliseum Way, Oakland, CA 94601*. March 13.

based upon the results of on-Site investigations and remediation activities conducted at the Site; and

- Section 6.0, References – presents references utilized in the development of this report.

2.0 BACKGROUND INFORMATION

2.1 Site Description

The 2.7-acre Site is comprised of two adjacent rectangular parcels with addresses of 4600 and 4700 Coliseum Way that are identified by Alameda County Assessor's Parcel Number (APN) 34-2293-3 and 34-2293-4-2, respectively.

Currently buildings at the Site consist of two smaller metal-framed warehouse buildings in the western portion of the Site and a large warehouse building in the central portion of the Site. The former shed that was removed during the remediation activities discussed in Section 4.0 was located near the northeastern property boundary (Plate 2). The Site is located in a commercial/industrial area within the City of Oakland and County of Alameda, California. As shown on Plates 1 and 2, the Site is bounded to the northeast by an abandoned railroad spur and further northeast by a property owned by Learner Investment Company, to the southeast by Superior Plaster Casting Property, to the southwest by Coliseum Way, and to the northwest by 46th Avenue. Vehicle access to the property is via Coliseum Way.

According to the United States Geological Survey (USGS) *Oakland East, California* Quadrangle 7.5-minute series topographic map, the Site is situated at an elevation of approximately 10 feet above mean sea level. The topography on the Site and in the vicinity is relatively flat. The closest water body is San Francisco Bay, located approximately ½-mile to the southwest.

2.2 Site History

According to a Phase I Environmental Site Assessment (ESA) prepared by AEI Consultants (AEI) in October 2007 (AEI, 2007), the metal-framed warehouses in the western portion of the Site were constructed between 1912 and 1925 for use as storage facilities for feed and coal. According to AEI, these warehouses have historically been used for various operations including wooden molding manufacturing, insulation manufacturing, and cabinet making. Currently, the warehouses are being used for storage of miscellaneous equipment and construction supplies (ERAS Environmental, Inc. [ERAS], 2007). The abandoned railroad spur shown on Plate 2, was present at the Site from at least 1925 through 1969.

The large warehouse building in the central portion of the Site was constructed in 1968 for use as a metal manufacturing facility by Bostrom Bergen Metal Manufacturing (Bostrom) (AEI, 2007). Bostrom occupied the Site, including the two metal-framed warehouses from at least 1969 through 2000. The large warehouse is currently occupied by Cable Moore, Inc.

Cable Moore, Inc. manufactures and distributes wire rope, cable, rigging, and safety and construction equipment.

2.3 Local Geology and Hydrogeology

According to ERAS Environmental, Inc. (ERAS, 2007), the Site is underlain by "fine-grained alluvial sediment that represents distal deposits of alluvial fans that were deposited by rivers draining upland surfaces" (ERAS, 2007). Also beneath the Site are clay layers referred to as Bay Mud. Several hundred feet of Bay Mud deposits are likely present in the vicinity of the Site. Beneath the Bay Muds are sedimentary and metamorphic rocks of the Jurassic-aged Franciscan Formation (ERAS, 2007). Groundwater was encountered at depths ranging between 4 and 15 feet below ground surface (bgs) during an on-Site investigation conducted by PIERS in January 2008 (PIERS, 2008). Groundwater flow in the vicinity of the Site is generally toward the south (ERAS, 2007).

Soil beneath the northeastern and eastern portions of the Site investigated by PES in June and July 2008 consists of dark grayish brown to dark brown gravelly silts to a depth ranging between 1.5 to 3 feet bgs (PES, 2008a). Soil below this material generally consists of a yellowish brown to very dark gray clay, clay with silt, or silty clay to 19 feet bgs, the maximum depth investigated. This material contains discontinuous, approximately 0.5-foot thick interbeds of sand and clayey sand and 1- to 3-foot thick interbeds of clay with gravel and gravelly clay. Wet soil was first encountered at depths ranging between 9 and 12 feet bgs. However, groundwater may be under confining conditions because water stabilized at depths between 7 and 8 feet bgs (PES, 2008a).

As discussed in Section 2.4 below, shallow groundwater in the vicinity of the Site is impacted by regional total petroleum hydrocarbon (TPH) and VOC plumes that are currently being addressed under the oversight of ACDEH. Studies conducted on nearby properties indicate that the underlying groundwater is brackish (Harding ESE, Inc. [Harding ESE], 2002; LFR, Inc. [LFR], 2008). Therefore, groundwater in this area is not considered a drinking water source.

2.4 Summary of Environmental Conditions on Adjacent Properties

Properties adjacent to the Site including the Superior Plaster Castings Property, PG&E Property, Former AAA Equipment Company, and Learner Investment Company Property. The positions of these properties relative to the subject property are shown on Plate 1. A summary of the environmental conditions on these adjacent properties is presented below.

Superior Plaster Castings Property: This property is located southeast and immediately adjacent to the subject Site (Plate 1) and appears to be hydraulically down- and cross-gradient from the Site with respect to the direction of groundwater flow. The primary contaminants detected at this property include petroleum hydrocarbons (TPH quantified as gasoline [TPHg] and quantified as diesel [TPHd], respectively), xylenes, and VOCs. VOCs present

on the Superior Plaster Castings Property appear to be limited to chlorobenzene (CB), 1,2-dichlorobenzene (1,2-DCB), 1,3-DCB and 1,4-DCB. 1,1,1-TCA and its breakdown products were not detected in groundwater samples collected on this property (ERAS, 2000). Work at this property is ongoing and is currently under the oversight of the ACDEH.

PG&E Property: This property is located southeast from the subject property and immediately adjacent to the Superior Plaster Castings Property (Plate 1) and appears to be hydraulically down-and cross-gradient from the subject property with respect to the direction of groundwater flow. This property is the location of a general construction yard and a former gas holder tank that was removed in May 1990. Seven groundwater monitoring wells are located on the PG&E Property. The wells were sampled in November 2007 and VOCs detected were primarily CB and DCBs. Fuel hydrocarbons are also present in the groundwater at the PG&E Property. In April 2007, 1,1,1-TCA was detected in one groundwater sample (OW-1) but at a low concentration of 0.6 micrograms per liter (μg/L) and 1,1-DCA was also detected at a maximum concentration of 12 μg/L (Geomatrix Consultants, Inc. [Geomatrix], 2007), each well below its applicable California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB) risk-based Environmental Screening Levels (ESLs).

Former AAA Equipment Company: This property is located east-southeast of the Site and appears to be hydraulically cross-gradient from the Site (Plate 1) with respect to the direction of groundwater flow. TPHd and TPH quantified as motor oil (TPHmo) have been detected on the property. Polynuclear aromatics (PNAs) and polychlorinated biphenyls (PCBs) have also been detected on this property. VOCs detected in soil and groundwater appears to be limited to CB and DCBs (Harding ESE, 2002).

Learner Investment Company Property: This property is located north and northeast of the subject Site and appears to be hydraulically up-gradient from the Site (Plate 1) with respect to the direction of groundwater flow. This property is being actively investigated and is under oversight by the ACDEH. Previous sampling conducted on this property indicates that it is affected by petroleum hydrocarbons (TPHd and TPHmo), PCBs, benzene, toluene, ethylbenzene, and xylenes (BTEX), and metals.

The most recent investigation at this property that we are aware of was conducted by LFR in April 2008 and involved advancing 12 borings (LFR, 2008). Soil samples at depths ranging from 1 to 5 feet bgs were collected from each boring and grab groundwater samples were collected from four borings. Four of the borings (LP-4, LP-5, LP-6 and LP-13) were located near the boundary northeast of the subject Site; grab groundwater samples were collected from borings LP-6 and LP-13. The summary below focuses on the results these four borings.

The soil samples collected from borings LP-4, LP-5, LP-6 and LP-13 were analyzed for TPHd, TPHmo, VOCs, metals, and PCBs and the groundwater samples were analyzed for TPHd, TPHmo, VOCs, and metals. In summary, TPHd, TPHmo, PCBs, acetone and methylene chloride were detected in the soil samples.

LFR indicated that most of the metals concentrations in soil were within range of naturally occurring metals concentrations in the San Francisco Bay Area. However, according to LFR, six metals (arsenic, cadmium, copper, lead, nickel, and zinc) were detected at elevated concentrations. The maximum concentrations of these metals in the samples collected from borings LP-4, LP-5, LP-6 and LP-13 were arsenic at 12 milligram per kilogram (mg/kg), cadmium at 10 mg/kg, copper at 100 mg/kg, lead at 1,000 mg/kg, and zinc at 2,800 mg/kg.

TPHd, TPHmo, 1,1-DCA, 1,2-dichloroethane (1,2-DCA), cis-1,2-dichloroethene (cis-1,2-DCE), and bromodichloromethane were detected in the grab groundwater samples.

2.5 Summary of Previous On-Site Environmental Investigations

Numerous environmental investigations have been conducted previously on the subject property. Please refer to the CAP for a summary of these previous investigations.

3.0 SUBSURFACE INVESTIGATIONS IN AREA OF RED-STAINED SOIL

The following sections present the field activities and sampling methods (Section 3.1), analytical methods (Section 3.2), and results for the subsurface investigations (Section 3.3) conducted by PES in March, April, and May 2009.

3.1 Field Activities and Sampling Methods

The objective of PES' subsurface investigation conducted on March 27, 2009 was to collect soil samples in the within and around the previously excavated red-stained soil area to evaluate whether the soil with elevated concentrations of metals was sufficiently delineated and remediated. The approximate extent of this previously excavated red-stained soil area is shown on Plate 3. During this phase of work PES advanced 23 borings (B-16 through B-38; Plate 3) in the northeastern portion of the Site. As discussed in Section 3.2, select soil samples from 16 of the 23 borings were analyzed for lead and zinc. The remaining samples were placed on hold pending the results for these samples. The drilling and sampling activities were conducted with oversight by a licensed California Professional Geologist.

During the second phase of work conducted on April 3, 2009, PES completed near surface soil samples at locations B-37 (4/3/2009), B-38 (4/3/2009), B-39, and B-40 (see Plate 3 for locations). These samples were collected to further assess the lateral extent of elevated zinc in the vicinity of boring B-31.

Between April 10 and May 20, 2009, PES collected near surface soil samples at locations B-41 through B-50 (see Plate 3 for locations). These samples were collected to assess the lateral extent of elevated lead and zinc associated with red-stained soil present in the vicinity of the former shed.

3.1.1 Pre-Field Activities

Drilling permits were obtained from the Alameda County Public Works Agency (ACPW) prior to advancing borings B-16 through B-38. A copy of the permit is included in Appendix B. PES contacted Underground Service Alert (USA) more than 48 hours before beginning drilling activities to locate and mark utilities at the Site and C. Cruz Sub-Surface Locators, Inc. (C. Cruz) of Milpitas, California, cleared the sampling locations for subsurface utilities. Additionally, PES coordinated with Environmental Control Associates, Inc. (ECA) of Aptos, California, a licensed drilling contractor possessing a valid C-57 water well contractor's license issued by the State of California, to schedule the sampling event. PES' existing Site-specific Health and Safety Plan, which complied with applicable federal, California Occupational Safety and Health Administration (OSHA), and Title 29 CFR 1910.120 guidelines, was used for the sampling activities.

3.1.2 Sampling Methods

ECA utilized a direct-push drilling rig to advance each borings to a depth of 4 feet bgs. Continuous soil cores were collected from the borings, which were advanced using single-walled direct-push tooling equipped with a clear acetate liner. PES observed the borehole drilling and prepared a lithologic log for the continuously cored borings using the Unified Soil Classification System (USCS). Lithologic logs are presented in Appendix C.

Downhole direct-push sampling equipment were cleaned via high pressure, hot water wash prior to use and between borings. Upon completion of sampling activities, each borehole was grouted to the surface with cement grout under the oversight of an ACPW inspector.

Near surface soil samples were obtained by using a new, disposable hand trowel to loosen and collect the soil sample. The near surface soil samples were collected in either a stainless-steel liner or laboratory-supplied glass jar.

Sample containers from all phases of work were labeled to indicate project location, job number, boring number, sample number, and time and date collected. The samples were delivered under chain of custody protocol to Curtis & Tompkins, Ltd. (C&T) in Berkeley, California, which is a California state-certified laboratory for chemical analysis performed. The laboratory analytical reports provided by C&T are presented in Appendix D.

3.2 Analytical Methods

Select soil samples from borings advanced during the first phase of work were delivered to C&T under chain-of-custody protocol and analyzed for zinc and lead using U.S. Environmental Protection Agency (USEPA) Test Method 6010B. The remaining soil samples from the first phase of work were placed on hold pending the results of the initial samples. Based on the results of the initial soil samples analyzed from the borings, the deeper sample from boring B-31 was analyzed for zinc only. The four near surface soil samples collected in

the vicinity of boring B-31 were also analyzed for zinc only and the remaining near surface samples collected in the vicinity of the former shed were analyzed for zinc and lead.

3.3 Subsurface Investigation Results

The following sections present the results of the subsurface investigation including a discussion of the subsurface conditions (Section 3.3.1) and the soil analytical results (Section 3.3.2).

The soil analytical results are presented in Table 1 and Plate 4. The C&T laboratory analytical reports and chain of custody forms are presented in Appendix D. A discussion of the results from PES' subsurface investigation is presented in Section 5.0.

The soil results presented on Table 1 and Plate 4 were compared to the RWQCB risk-based ESL concentrations for shallow soil (less than 3 meters [9.84 feet] bgs) in a commercial/industrial setting where groundwater is not a current or potential drinking water source. ESL concentrations for soil are provided in the RWQCB's *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* (RWQCB, 2008). The ESLs were developed by the RWQCB to be protective of human health and the environment for potentially complete exposure pathways.

3.3.1 Subsurface Conditions

In general, soil beneath the portion of the Site investigated by PES in March through May 2009, consisted of yellowish brown to dark grayish brown silty gravel and silt with gravel to a depth ranging between 0.5 to 2.75 feet bgs (Appendix C). These uppermost soils were generally thicker in the eastern and western portions of the investigation area and thinner (i.e., up to 1-foot thick) in the vicinity of the former shed. Soil below this material generally consists of a dark grayish brown to dark greenish gray clay, clayey silt, or silty clay to 4 feet bgs, the total depth investigated.

3.3.2 Soil Analytical Results

As shown in Table 1 and Plate 4, lead and zinc were detected in every sample analyzed for these constituents. Samples results are summarized below for the: (1) previously excavated red-stained soil area; and (2) area of red-stained soil in the vicinity of the former shed.

3.3.2.1 Previously Excavated Red-Stained Soil Area

- **Lead:** Detected at concentrations ranging from 5.3 mg/kg (0.5 to 1.0 feet bgs sample from boring B-35) to 130 mg/kg (0.5 to 1.0 feet bgs sample from boring B-19); and

- **Zinc:** Detected at concentrations ranging from 25 mg/kg (1.0 to 1.5 feet bgs sample from boring B-26) to 1,300 mg/kg (0.5 to 1.0 feet bgs sample from boring B-31).

The concentration of zinc in the 0.5 to 1.0 feet bgs sample from boring B-31 was above its applicable commercial/industrial ESL (See Table 1 and Plate 4). However, the deeper sample collected at 1.5 to 2.0 feet bgs from this boring and the surrounding near surface samples collected subsequently all had concentrations of zinc below the applicable ESL (See Table 1 and Plate 4).

3.3.2.2 Red-Stained Soil Area in the Vicinity of the Former Shed

- **Lead:** Detected at concentrations ranging from 200 mg/kg (0 to 0.5 feet bgs sample from location B-43) to 2,800 mg/kg (0.75 to 1.0 feet bgs sample from location B-45); and

- **Zinc:** Detected at concentrations ranging from 410 mg/kg (0 to 0.5 feet bgs sample from location B-42) to 2,100 mg/kg (0 to 0.5 feet bgs sample from location B-41).

The concentration of lead and zinc at sample locations B-41, B-44, B-45, B-48, B-49, and B-50 and the concentration of zinc at sample location B-46 and B-47 were above the applicable commercial/industrial ESL (See Table 1 and Plate 4). However, as discussed in Sections 4.0 and 5.0, material associated with most of these sample locations was removed during excavation activities.

4.0 SOIL REMEDIATION ACTIVITIES

Marcor Environmental (Marcor) of Dublin, California, a HAZWOPER-trained contractor from Dublin, California, was retained by PES to conduct the soil remediation. Excavation of VOC-affected soil was described in PES' CAP. The excavation of the red-stained soil was conducted based on PES' observations and the laboratory analytical results of the subsurface investigations. Soil excavation was conducted at the Site to:

- Remove lead/zinc-affected red-stained surface soil (up to 1 foot thick) present in the vicinity of the former shed, including beneath the concrete floor slab of the former shed; and

- Remove shallow soil located beneath the footprint of the former shed that contained elevated concentrations of 1,1-DCA and 1,1,1-TCA.

Prior to conducting the excavation activities discussed below, the shed was removed by Mr. Weber. The concrete floor was removed by Marcor and managed with the under-lying red-stained soil because it was in contact with and had been affected by the underlying lead and zinc-affected red-stained soil.

As discussed in the CAP, the target soil cleanup goals for the remedial activities discussed below were conservatively established at the RWQCB risk-based ESL concentrations for shallow soil (less than 3 meters [9.84 feet] bgs) in a commercial/industrial setting where

groundwater is not a current or potential drinking water source. ESL concentrations for soil and groundwater are provided in the RWQCB's *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* (RWQCB, 2008).

4.1 Preliminary Activities

4.1.1 Health and Safety

Prior to conducting remediation activities, a Site-specific HSP was prepared by Marcor to comply with 29 CFR 1910.120 and 8 CCR GISO 5192. The HSP addressed identification of hazards, hazard mitigation, safe work practices, and emergency response procedures for the project. Additionally, a HSP was prepared by PES for its personnel and activities to be conducted by PES. Health and safety tailgate meetings were performed prior to work activities in order to familiarize on-Site personnel with safety precautions and emergency procedures discussed in the HSP.

USA was contacted at least 48 hours prior to conducting remediation activities to schedule visits by public and private utility companies. Additionally, Marcor contracted with a private underground utility locating company to identify underground utilities within the proposed excavation area.

4.1.2 Engineering Evaluation

As shown on Plate 5, structural support features related to the overhead crane area that were present in the vicinity of the shed included: (1) concrete spread footing foundations along the northwest and southeast sides of the shed; and (2) support beam columns in each corner of the shed. A geotechnical engineering review was conducted to develop recommendations for safe excavation procedures. Treadwell & Rollo, Inc. (T&R), a geotechnical engineering firm located in Oakland, California, conducted the evaluation and provided recommendations for excavation sequencing that would be protective of the structural integrity of the foundations and support beam columns. The recommendations were presented to PES in an April 2, 2009 telephone conversation. T&R recommended that slot trenching be implemented perpendicular to the spread footing foundations to limit the length of the face of the foundations being exposed at any one time, and that the excavations be backfilled with controlled density fill (CDF). T&R recommended that the slot trenching be conducted as follows:

- Excavating two approximately 3-foot wide slot trenches between the spread footing foundations and then immediately backfilling these slot trenches with rapid set CDF to grade; and

- On the following day, excavate the remaining VOC-impacted soil between previously backfilled slots and the backfill this slot with rapid set CDF to grade.

T&R staff was present for excavation and backfilling activities.

4.2 Soil Excavation Activities

4.2.1 Excavation of Red-Stained Soil in the Vicinity of the Former Shed

Prior to excavating the lead- and zinc-affected red-stained soil in the vicinity of the former shed, Marcor removed the 12 by 20 foot, 3-inch thick, reinforced concrete floor of the former shed using a tire-mounted backhoe. The concrete was placed into plastic-lined roll-off bins and temporarily stored on-Site pending off-Site disposal.

Excavation the red-stained soil in the vicinity of the former shed was conducted by Marcor on April 9, 2009 and May 21, 2009 using a tire-mounted backhoe. The extent of the red-stained soil excavation was based on visual field observations and the lead and zinc soil analytical results for samples collected in the vicinity of the former shed, which were presented above in Section 3.3.2. The soil excavation was extended to the northeastern property boundary in the vicinity of samples B-45, B-49 and B-50. The excavated soil was placed into the same plastic-lined roll-off bins as the concrete and temporarily stored on-Site pending off-Site disposal. The extent of the lead and zinc-affected soil excavation, which varied between approximately 8 to 12-inches thick, is shown on Plates 3 and 4. Based on disposal information provided by Marcor, which is included in Appendix E, a total of approximately 54 tons of lead and zinc-affected concrete and soil were removed from the subject property and disposed off-Site.

4.2.2 Remediation of VOC-Affected Soil

4.2.2.1 Excavation and Backfilling Activities

Based on the results of previous investigations, soil affected with concentrations of 1,1-DCA and 1,1,1-TCA in excess of the respective target cleanup goals was excavated from an area having plan dimensions of approximately 228 square feet (Plates 3, 4, and 5). Soil was evaluated for the presence of VOCs at the time of excavation using a photoionization detector (PID). The excavation extended laterally to the edges of the former shed and vertically to an approximate depth of 5.5 feet bgs (Plates 3, 4, and 5). Groundwater was not encountered during excavation activities.

In accordance with T&R's recommendations, soil excavation conducted beneath the footprint of the former shed consisted of three slot trenches, which were oriented perpendicular to the spread footing foundations. The concrete removal, verification sampling (i.e., analytical results for verification samples are discussed in Section 4.2.3, below), and soil excavation and backfilling activities took place as follows:

- **April 8, 2009**: (a) Removed concrete pad; (b) excavated potholes for the collection of verification soil samples from the excavation sidewalls and bottom (eight samples total); and (c) placed pothole spoils back in excavations;

- **April 9, 2009**: Excavated two approximately 3-foot wide slot trenches between the spread footing foundations. The slot trenches extended to a depth of approximately 5.5 feet (based on the verification laboratory analytical results discussed in Section 4.2.3). These slot trenches were then backfilled with rapid set CDF to allow for excavation between the slots the following day; and

- **April 10, 2009**: Excavated the remaining VOC-impacted soil between previously backfilled slots. Backfilled slot trench with CDF to grade.

The excavated VOC-affected soil was temporarily stockpiled on-Site pending off-Site disposal. The soil was stockpiled on 30-mils plastic sheeting and covered using 10-mils plastic sheeting. Marcor secured the plastic sheeting as appropriate.

4.2.2.2 Verification Sampling

4.2.2.2.1 Verification Sampling Locations and Methodology

To confirm that the target soil cleanup goals were achieved, verification soil samples were collected from the excavation for laboratory analysis at the following locations, as shown on Plate 5:

- **Sidewalls:** At a depth of 3 to 3.5 feet bgs from each sidewall of excavation; and

- **Bottom:** From depths of 5 to 5.5 and 6 to 6.5 feet bgs at two locations on the bottom of the excavation.

Sample handling, labeling, documentation and chain of custody procedures were performed as described in the CAP. Soil samples from the sidewalls and bottom of the excavation were obtained using the backhoe bucket and Encore® soil sampling devices that sampled fresh, undisturbed soil. The Encore® soil samples were collected in accordance with USEPA Method 5035. Following sample collection, the sample containers were labeled for identification and immediately placed in a chilled, thermally insulated cooler containing "blue-ice" packs or bagged ice.

The verification soil samples were sent under chain-of-custody documentation to Torrent Laboratory, Inc. (Torrent) in Milpitas, California, which is a California state-certified laboratory for chemical analysis performed. The soil samples were analyzed for VOCs on the USEPA Test Method 8010 list using USEPA Test Method 8260B.

4.2.2.2.2 Verification Sample Laboratory Analytical Results

Excavation bottom and sidewall verification soil sample analytical results are summarized in Table 2 and graphically displayed on Plate 5. Copies of the laboratory analytical reports and chain-of-custody documentation are presented in Appendix D. The only VOCs detected in the verification samples were 1,1,1-TCA, 1,1-DCA, and 1,1-dichloroethene (1,1-DCE). The

maximum detected concentrations of 1,1,1-TCA (6,700 micrograms per kilogram [µg/kg]), 1,1-DCA (105 µg/kg), and 1,1-DCE (20.3 µg/kg) in bottom and sidewall samples were below their target soil cleanup goals of 7,800, 1,900, and 4,300 µg/kg, respectively.

4.3 Waste Management, Characterization, and Disposal

Sample handling, labeling, documentation and chain of custody procedures for waste characterization samples were performed as described in the CAP.

4.3.1 Lead/Zinc-Affected Soil

The concrete debris and soil generated during excavation activities associated with the lead/zinc-affected soil was placed directly into plastic-lined, covered soil bins pending characterization for off-Site disposal. During the subsurface investigation conducted in March 2009, a composite soil sample for waste characterization was collected. This sample was composited in the field and comprised: (1) red-stained soil from beneath the former shed; and (2) soil from borings in the vicinity of the former shed that contained lesser amounts of red-stained soil. This sample was analyzed for:

- Title 22 Metals using USEPA Test Methods 6010B and 7471 for mercury;
- Soluble Threshold Limit Concentration (STLC) for select metals (barium, chromium, copper, lead, and zinc) extracted by inductively coupled plasma using USEPA Test Method 3010A and analyzed by USEPA Test Method 6010B; and
- Toxicity Characteristic Leaching Procedure (TCLP) for select metals (barium, chromium, and lead) extracted by inductively coupled plasma using USEPA Test Method 3010A and analyzed by USEPA Test Method 6010B.

A copy of the laboratory analytical report and chain-of-custody documentation for this soil waste characterization composite sample (sample ID = COMP RED) is presented in Appendix D. Based on the analytical results for this sample, the concrete debris and soil were disposed off-Site as non-RCRA hazardous waste at the Kettleman Hills Hazardous Waste Facility in Kettleman City, California. As indicated on the disposal related information included in Appendix E, approximately 54 tons of concrete and lead/zinc-affected soil was disposed at this facility.

4.3.2 VOC-Affected Soil

The soil generated during excavation activities associated with the VOC-affected soil was temporarily stockpiled on-Site pending characterization for off-Site disposal. A four-point composite soil sample was collected from the stockpile for waste characterization purposes. This sample was analyzed for:

- VOCs using USEPA Test Method 8260B; and

- Title 22 Metals using USEPA Test Methods 6010B and 7471 for mercury.

A copy of the laboratory analytical report and chain-of-custody documentation for this soil waste characterization composite sample (i.e., sample ID = STOCK-1,2,3,4 COMPOSITE) is presented in Appendix D. Based on the analytical results for this sample, the soil was disposed off-Site as non-hazardous waste at the Forward Landfill in Manteca, California. As indicated on the disposal related information included in Appendix E, approximately 79.5 tons of VOC-affected soil was disposed of at this landfill.

5.0 DISCUSSION, CONCLUSIONS AND RECOMMENDATIONS

5.1 Discussion

5.1.1 Red-Stained Soil Areas

5.1.1.1 Previously Excavated Red-Stained Soil Area

Based on results of PES' March 27, 2009 subsurface investigation, it appears that excavation activities conducted in 2003 adequately removed the lead-impacted soil in the previously excavated red-stained soil area. As shown on Plate 4, the concentration of zinc in the 0.5 to 1.0 feet bgs sample from boring B-31 was above its applicable commercial/industrial ESL (See Table 1 and Plate 4). However, the deeper sample collected at 1.5 to 2.0 feet bgs from this boring and the surrounding near surface samples locations B-37 (4/3/2009), B-38 (4/3/2009), B-39, and B-40 all had concentrations of zinc below the applicable ESL (see Table 1 and Plate 4). These results indicated that a very small quantity (approximately 1 cubic yard) of soil contains concentrations of zinc in excess of the ESL. Based on the small quantity of zinc-impacted soil in the vicinity of boring B-31, PES recommended leaving the soil in-place and covering it with concrete, which would minimize the potential for human contact and infiltration of surface water. In electronic correspondence dated April 9, 2009, Mr. Wickham with the ACDEH concurred that leaving the soil in-place and capping the soil with concrete was acceptable.

5.1.1.2 Red-Stained Soil Area in the Vicinity of the Former Shed

Shallow soil sample results and field observations in the vicinity of the former shed revealed the presence of lead/zinc-affected red-stained soil. As indicated on Table 1 and Plate 4, shallow soil samples collected from locations B-41, B-44, B-45, B-46, B-47, B-48, B-49, and B-50 contained concentrations of zinc and/or lead above the applicable commercial/industrial ESL. Sample results in this area indicated that the maximum vertical extent of lead/zinc impacted soil extended to the top of the native soil found in this area. Therefore, the excavation was extended to the top of the native soil, which was encountered at a depth of approximately 8 to 12-inches bgs. The lateral limits of the excavation area shown on Plates 3 and 4 were based on sample results and visual observations confirming the presence or absence

of red-stained soil. In general, the thickness of red-stained soil decreased away from the former shed. No visibly red-stained soil was present in the location of samples B-49 and B-50.

As indicated on Table 1 and Plate 4, with minor exception, soil with concentrations of lead and/or zinc are in excess of the target cleanup goals was removed during excavation activities conducted on April 9, 2009 and May 21, 2009. The exceptions being the zinc-affected soil covered with concrete at boring B-31 and the lead- and zinc-affected soil encountered at borings B-49 and B-50. Based on the small quantity of lead/zinc-affected soil (less than one cubic yard) likely present in the vicinity of sample locations B-49 and B-50, the affected soil was left in-place and it is PES' understanding that this area will be capped with concrete. As discussed above, the concrete cover minimizes the potential for human contact and infiltration of surface water. Although the concentrations of lead and zinc in samples B-49 and B-50 exceed the respective ESLs, the concentrations are lower than the shallow soil gross contamination ceiling levels developed by the RWQCB for industrial/commercial properties (Table H-2) of 2,500 mg/kg for lead and zinc. The ceiling levels for gross contamination are intended to be protective against odor and other nuisance concerns, and limit overall degradation of soil quality (RWQCB, 2008). Use of the ceiling levels in shallow soil overlying groundwater that is not a drinking water source is appropriate.

5.1.2 Remediation of VOC-Affected Soil

Soil affected with concentrations of 1,1-DCA and 1,1,1-TCA in excess of the target cleanup goal was excavated from beneath the former shed in April 2009 in accordance with the approved CAP. The excavation extended laterally to the edges of the former shed and vertically to an approximate depth of 5.5 feet bgs (Plates 3, 4, and 5). Groundwater was not encountered during excavation activities.

Prior to excavating the VOC-affected soil, verification sidewall and bottom samples were collected to confirm the anticipated lateral and vertical extent of VOC-affected soil. As indicated on Table 2 and Plate 5, the only VOCs detected in the verification samples were 1,1,1-TCA, 1,1-DCA, and 1,1-DCE. The maximum detected concentrations of 1,1,1-TCA (6,700 μg/kg), 1,1-DCA (105 μg/kg), and 1,1-DCE (20.3 μg/kg) in bottom and sidewall samples were below their target soil cleanup goals of 7,800, 1,900, and 4,300 μg/kg, respectively. The laboratory analytical results indicated the VOC-affected soil with concentrations above the respective, applicable ESLs was successfully removed from the Site.

In accordance with T&R's recommendations, soil excavation conducted beneath the footprint of the former shed consisted of three slot trenches, which were oriented perpendicular to the spread footing foundations. The slot trenches were systematically backfilled with CDF.

5.2 Conclusions

Based on the previous investigation and remediation activities conducted at the Site, PES concludes the following:

- The Site has been adequately investigated;
- The source (lead/zinc-affected soil) of lead/zinc in excess of the target cleanup goals has been adequately removed from the Site. A small quantity of lead/zinc-affected present in the vicinity of boring B-31 and sample locations B-49 and B-50 was left in-place. The area in the vicinity of boring B-31 was subsequently covered with concrete. PES understands that the area in the vicinity of sample locations B-49 and B-50 will also be covered with concrete. The concrete cover minimizes the potential for human contact and infiltration of surface water. The concentrations of lead and zinc in the soil at these locations does not pose a significant threat to human health or the environment; and
- The source (VOC-affected soil) of 1,1-DCA and 1,1,1-TCA in excess of the target cleanup goals has been removed from the Site.

5.3 Recommendations

Based on the results of subsurface investigations conducted on the subject property, the successful remediation of the VOC and lead/zinc-affected soil, and in consideration of the above discussions and conclusions, PES considers the Site to be eligible for "No Further Action" status. The relatively low levels of VOCs and lead/zinc remaining in soil do not present a significant threat to human health or the environment, and do not warrant the commitment of client, regulatory, and natural resources that would be necessary to continue activities to address this matter. Accordingly, PES on behalf of John Weber, owner of the subject property, respectfully presents a request to the ACDEH, to grant case closure for the subject property.

6.0 REFERENCES

AEI Consultants (AEI), 2007. *Phase I Environmental Site Assessment, 4700 Coliseum Way, Oakland, California 94621*. October 22.

California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB), 2008. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final – November 2007 (Revised May 2008).

ERAS Environmental, Inc. (ERAS), 2000. *Soil Remediation, 4800 Coliseum Way, Oakland, California, Project Number 00047A*. June 26.

ERAS Environmental, Inc. (ERAS), 2007. *Phase I Environmental Site Assessment, 4600 and 4700 Coliseum Way, Oakland, California*. November 15.

Geomatrix Consultants, Inc. (Geomatrix), 2007. *Additional Investigation Work Plan, PG&E Oakland General Construction Yard, 4930 Coliseum Way, Oakland, California*. November.

Harding ESE, Inc. (Harding ESE), 2002. *Environmental Investigation, 745 50th Avenue, Oakland, California*. May 30.

Kleinfelder, 2003. *Confirmation Soil Sample Results, Oakland Facility, 4700 Coliseum Way, Oakland, California*. June 26.

LFR Inc. (LFR), 2008. *Summary Report of Soil and Groundwater Investigation, Former Learner Investment Company Property, 768 46th* Avenue, Oakland, California (SLIC Case RO0002478; Geotracker Global ID SLT2O150156). June 6.

PES Environmental, Inc. (PES), 2008a. *Site Investigation Report, 4600-4700 Coliseum Way, Oakland, California*. September 18.

PES, 2008b. *Corrective Action Plan, 4600-4700 Coliseum Way, Oakland, California*. September 23.

PIERS Environmental Services, Inc. (PIERS, 2008). *Limited Phase II Site Investigation Report of 4600-4700 Coliseum Way, Oakland, California*. January 23.

TABLES

Table 1
Lead and Zinc Soil Sample Analytical Results
4600-4700 Coliseum Way
Richmond, California

Location Identification	Sample Identification	Sample Depth (Feet bgs)	Sample Date	Lead (mg/kg)	Zinc (mg/kg)	Comments
B-16	B-16-0.5	0.5-1.0	3/27/2009	**60**	**81**	
B-17	B-17-0.5	0.5-1.0	3/27/2009	**46**	**91**	
B-19	B-19-0.5	0.5-1.0	3/27/2009	**130**	**91**	
B-21	B-21-0.5	0.5-1.0	3/27/2009	**40**	**100**	
B-22	B-22-1.0	1.0-1.5	3/27/2009	**76**	**70**	
B-24	B-24-0.5	0.5-1.0	3/27/2009	**68**	**100**	
B-25	B-25-1.0	1.0-1.5	3/27/2009	**44**	**55**	
B-26	B-26-1.0	1.0-1.5	3/27/2009	**14**	**25**	
B-27	B-27-1.0	1.0-1.5	3/27/2009	**68**	**84**	
B-28	B-28-1.0	1.0-1.5	3/27/2009	**84**	**60**	
B-30	B-30-0.5	0.5-1.0	3/27/2009	**100**	**99**	
B-31	B-31-0.5	0.5-1.0	3/27/2009	**43**	**1,300**	Material associated with this sample was capped with concrete
	B-31-1.5	1.5-2.0	3/27/2009	NA	**190**	
B-32	B-32-1.0	1.0-1.5	3/27/2009	**37**	**72**	
B-33	B-33-0.5	0.5-1.0	3/27/2009	**79**	**70**	
B-35	B-35-0.5	0.5-1.0	3/27/2009	**5.3**	**62**	
B-37	B-37-1.0	1.0-1.5	3/27/2009	**17**	**61**	
B-37 (4/3/2009)*	B-37-1.0	1.0-1.5	4/3/2009	NA	**100**	
B-38 (4/3/2009)*	B-38-1.0	1.0-1.5	4/3/2009	NA	**180**	
B-39	B-39-1.0	1.0-1.5	4/3/2009	NA	**77**	
B-40	B-40-1.0	1.0-1.5	4/3/2009	NA	**96**	
B-41	B-41-0	0-0.5	4/10/2009	**1,900**	**2,100**	Material associated with this sample was removed during excavation activities
B-42	B-42-0	0-0.5	4/10/2009	**410**	**410**	
B-43	B-43-0	0-0.5	4/10/2009	**200**	**600**	
B-44	B-44-1.0	0.75-1.0	5/14/2009	**800**	**1,100**	Material associated with this sample was removed during excavation activities
B-45	B-45-1.0	0.75-1.0	5/14/2009	**2,800**	**1,700**	Material associated with this sample was removed during excavation activities
B-46	B-46-1.0	0.75-1.0	5/14/2009	**730**	**1,100**	Material associated with this sample was removed during excavation activities
B-47	B-47-1.0	0.75-1.0	5/19/2009	**410**	**710**	Material associated with this sample was removed during excavation activities
B-48	B-48-1.0	0.75-1.0	5/19/2009	**1,300**	**1,100**	Material associated with this sample was removed during excavation activities
B-49	B-49-1	0.75-1.0	5/20/2009	**1,600**	**1,400**	Material associated with this sample was capped with concrete
B-50	B-50-1	0.75-1.0	5/20/2009	**900**	**870**	Material associated with this sample was capped with concrete
Shallow (<3 meters bgs) Soil ESL[(1)]				**750**	**600**	

Notes:
bgs = Below ground surface
mg/kg = Milligrams per kilogram
NA = Not analyzed
* = Location ID mistakenly duplicated; added date to ID to differentiate between locations
(1) = San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Level (ESL) for commercial/industrial land use where potentially impacted groundwater is not a current or potential drinking water resource.
- Results exceeding commercial/industrial ESLs are shaded

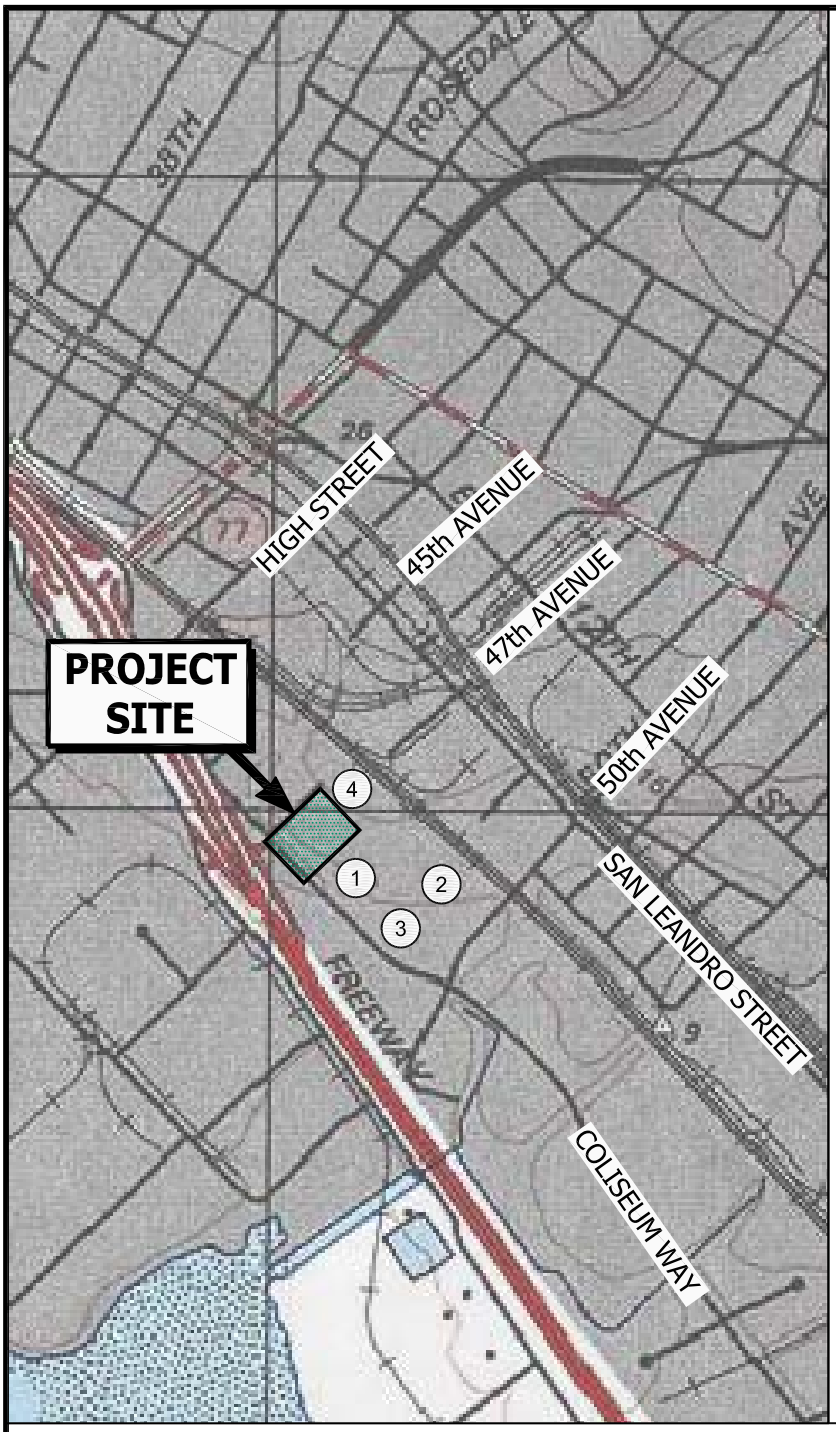
Table 2
VOC Excavation Sidewall and Bottom Soil Sample Analytical Results
4600-4700 Coliseum Way
Oakland, California

Excavation Area	Laboratory Sample ID	Sample Depth (feet bgs)	Date Collected	1,1,1-TCA (µg/kg)	1,1-DCA (µg/kg)	1,1-DCE (µg/kg)	Other VOCs (µg/kg)
Bottom	BS-N-5.0	5.0	4/8/2009	**32.4**	**24.4**	ND(9.80)	ALL ND
	BS-N-6.0	6.0	4/8/2009	**143**	**105**	**20.3**	ALL ND
	BS-S-5.0	5.0	4/8/2009	**20.8**	**12.2**	ND(8.80)	ALL ND
	BS-S-6.0	6.0	4/8/2009	**24.5**	**19.2**	ND(8.30)	ALL ND
North Sidewall	SW-N-3.0	3.0	4/8/2009	**6,700 J**	ND(1,500)	ND(4,500)	ALL ND
South Sidewall	SW-S-3.0	3.0	4/8/2009	**5,450**	ND(701)	ND(2,100)	ALL ND
East Sidewall	SW-E-3.0	3.0	4/8/2009	**23.2**	ND(8.30)	ND(8.30)	ALL ND
West Sidewall	SW-W-3.0	3.0	4/8/2009	**117**	**78.5**	ND(9.70)	ALL ND
Commercial/Industrial Soil ESL (1)				**7,800**	**1,900**	**4,300**	**N/A**

Notes:

VOC = Volatile organic compound
1,1,1-TCA = 1,1,1-Trichloroethane
1,1-DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
bgs = Below ground surface
µg/kg = Micrograms per kilogram
ND(9.80) = Compound not detected at or above the indicated laboratory reporting limit
J = Result was between the method detection limit and the reporting limit, should be considered an estimated value
N/A = Not applicable
(1) = San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESL) for commercial/industrial land use where potentially impacted groundwater is not a current or potential drinking water resource.
= Exceeds the commerical/industrial soil ESL

ILLUSTRATIONS



Site Vicinity Features and Adjacent Properties Discussed in Text

1. Superior Plaster Castings Property (4800 Coliseum Way)
2. Former AAA Equipment Company (745 50th Street)
3. PG&E Property (4930 Coliseum Way
4. Learner Investment Company Property (768 46th Avenue)

0 1000 2000

Scale In Feet

N

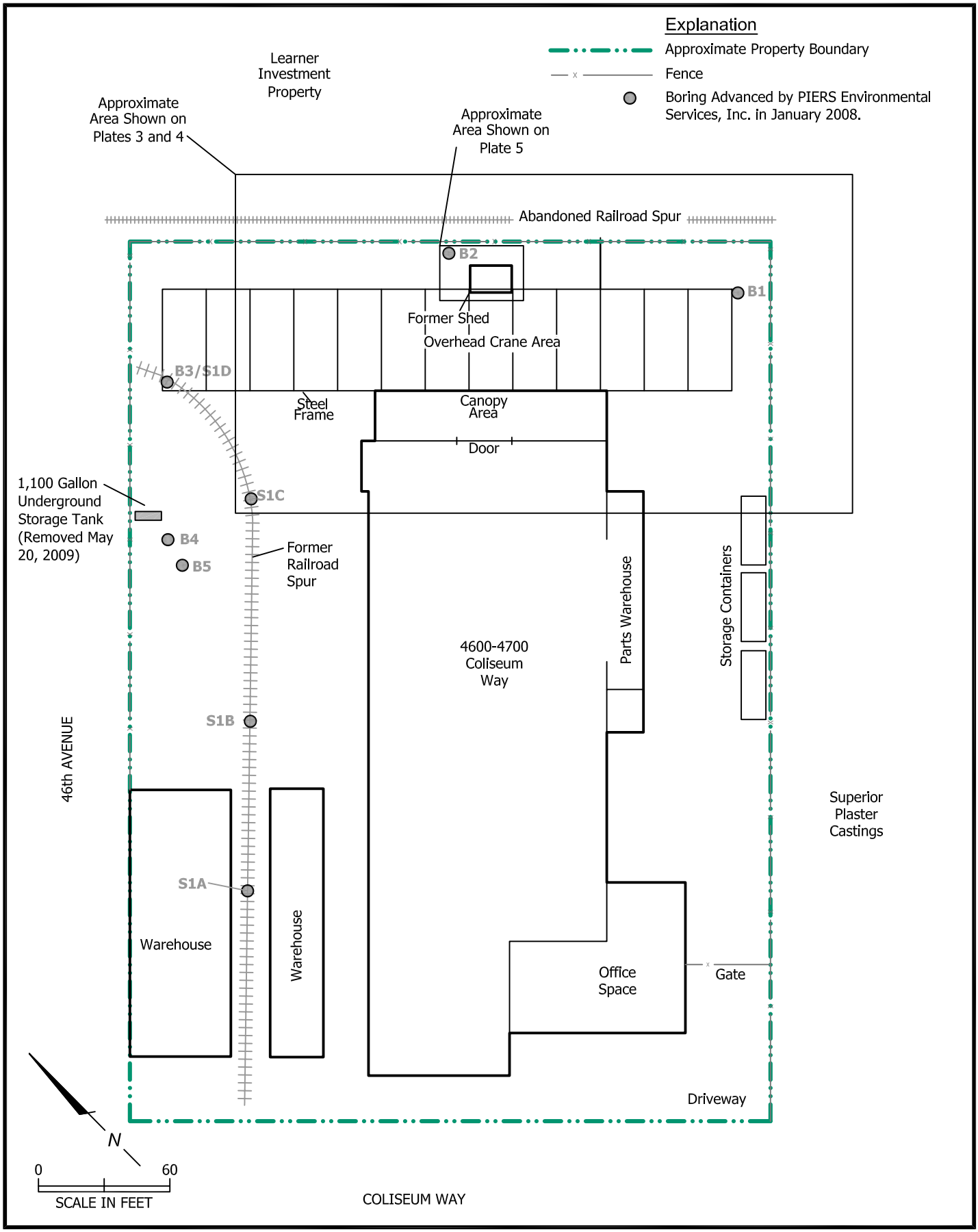
U.S.G.S. Topo Map - Oakland East, California, 7.5-minute quadrangle.1997.

PES Environmental, Inc.
Engineering & Environmental Services

Site Location Map
Soil Remediation Report
4600-4700 Coliseum Way
Oakland, California

PLATE 1

1148.001.03.010	114800103010_SRR_1	GDT	7/09
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

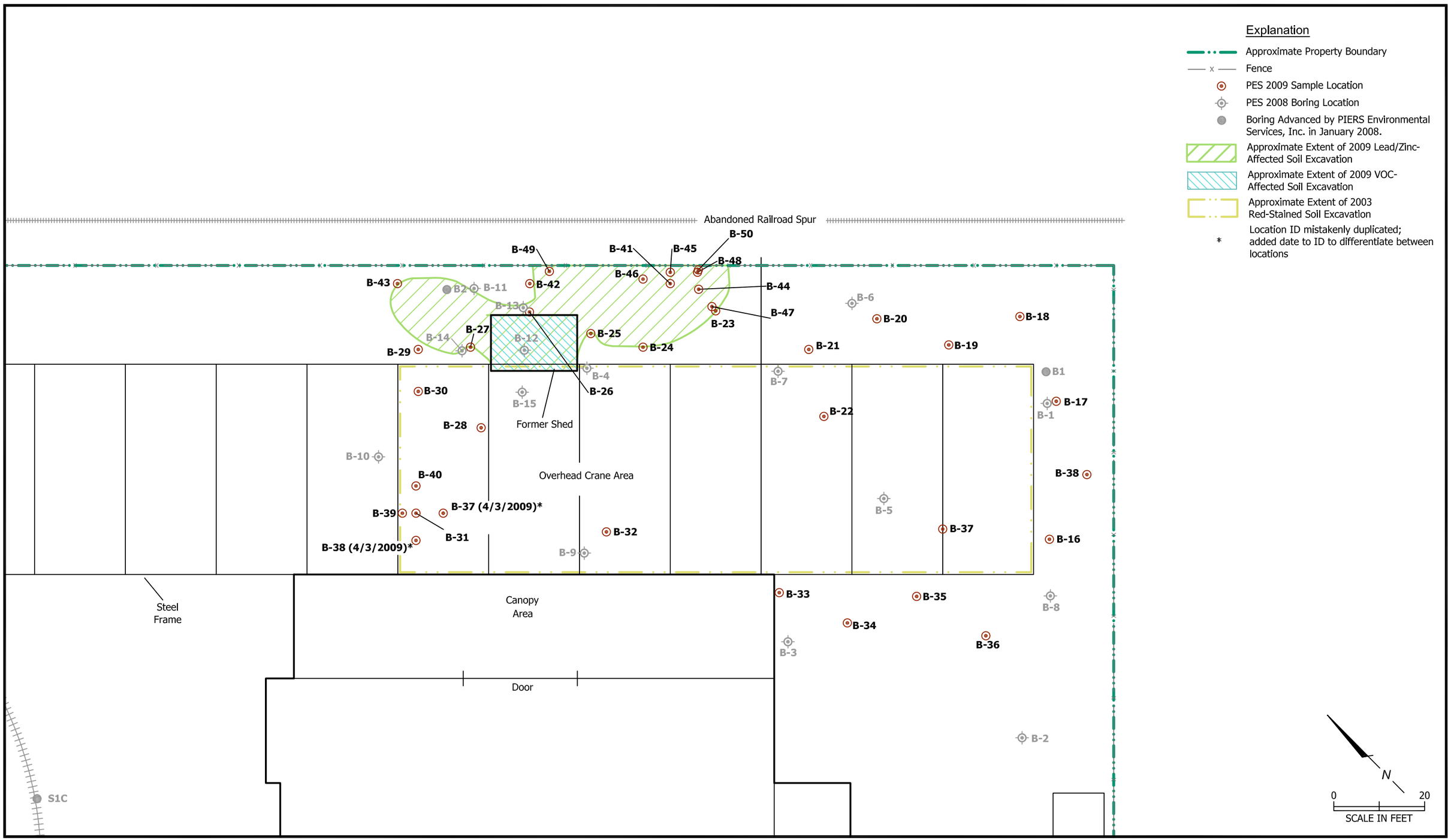


PES Environmental, Inc.
Engineering & Environmental Services

Site Plan
Soil Remediation Report
4600-4700 Coliseum Way
Oakland, California

PLATE
2

1148.001.03.010	114800103010_SRR_2	GDT	7/09
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

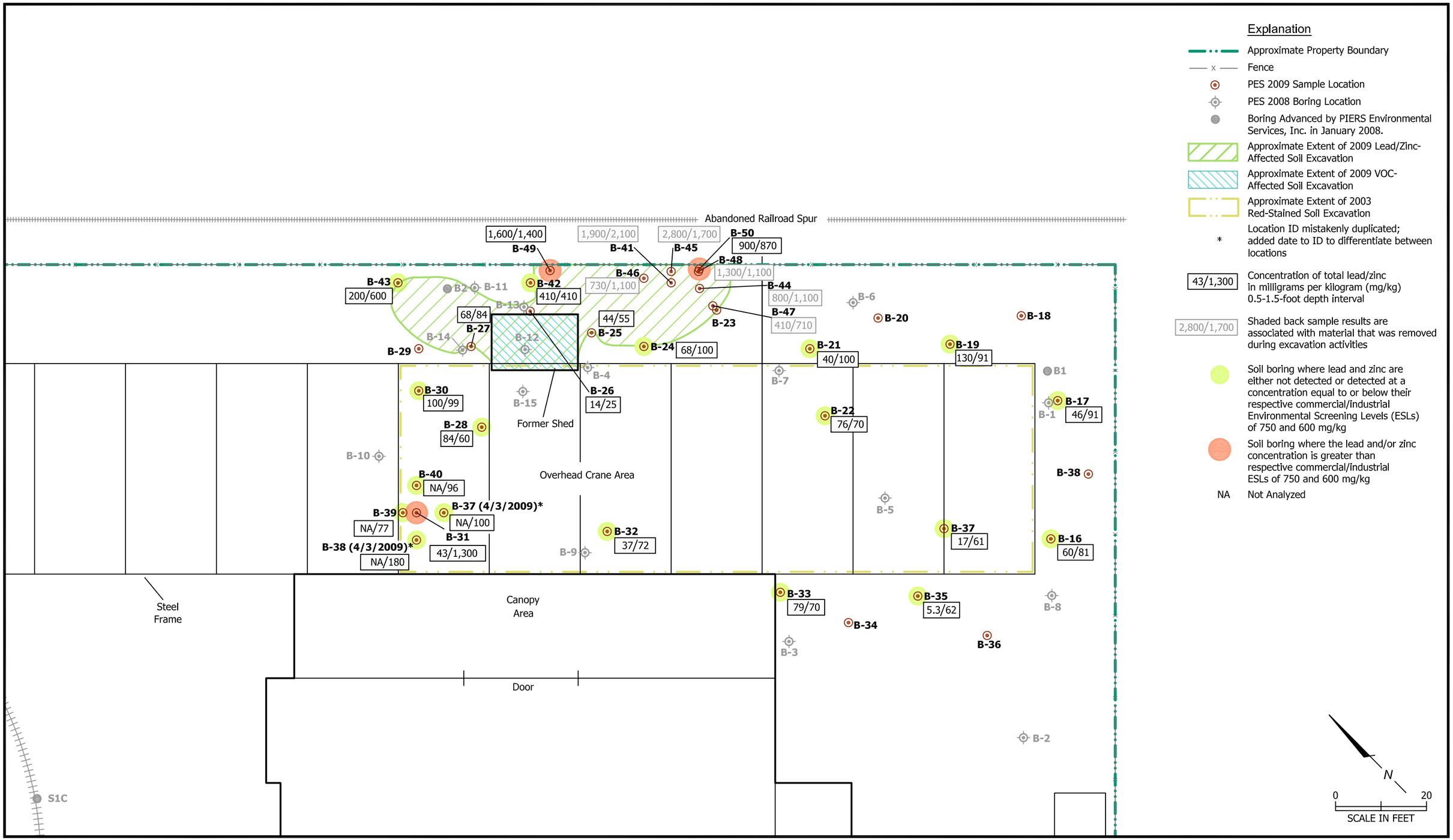


PES Environmental, Inc.
Engineering & Environmental Services

Lead/Zinc Sample Locations and Excavation Boundaries
Soil Remediation Report
4600-4700 Coliseum Way
Oakland, California

PLATE
3

1148.001.03.010	114800103010_SRR_3-4	GDT	7/09
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



Explanation

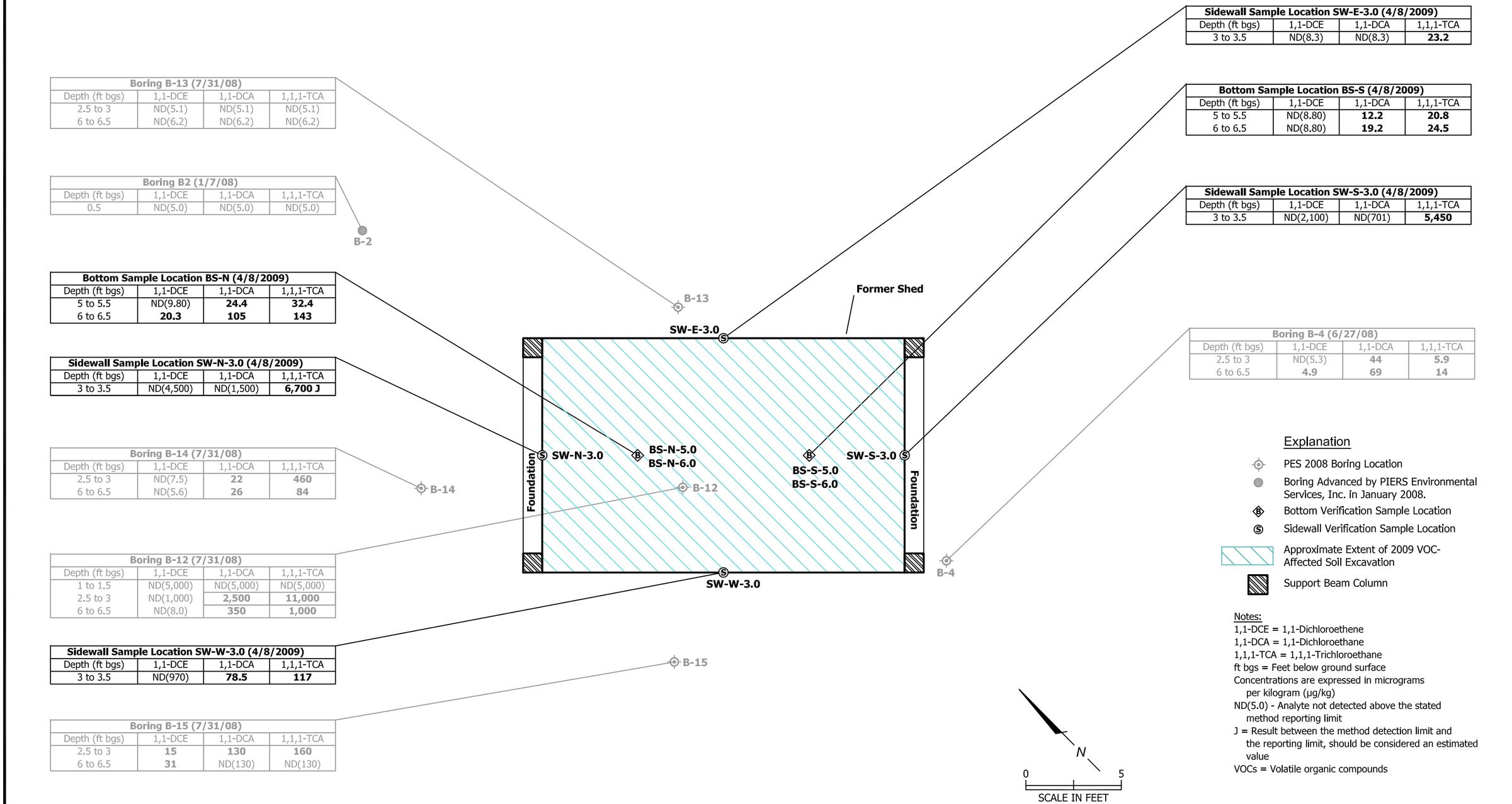
- Approximate Property Boundary
- Fence
- PES 2009 Sample Location
- PES 2008 Boring Location
- Boring Advanced by PIERS Environmental Services, Inc. in January 2008.
- Approximate Extent of 2009 Lead/Zinc-Affected Soil Excavation
- Approximate Extent of 2009 VOC-Affected Soil Excavation
- Approximate Extent of 2003 Red-Stained Soil Excavation
- * Location ID mistakenly duplicated; added date to ID to differentiate between locations
- 43/1,300 Concentration of total lead/zinc in milligrams per kilogram (mg/kg) 0.5-1.5-foot depth interval
- 2,800/1,700 Shaded back sample results are associated with material that was removed during excavation activities
- Soil boring where lead and zinc are either not detected or detected at a concentration equal to or below their respective commercial/industrial Environmental Screening Levels (ESLs) of 750 and 600 mg/kg
- Soil boring where the lead and/or zinc concentration is greater than respective commercial/industrial ESLs of 750 and 600 mg/kg
- NA Not Analyzed

PES Environmental, Inc.
Engineering & Environmental Services

Distribution of Lead and Zinc in Soil (0.5-1.5 foot Depth Interval)
Soil Remediation Report
4600-4700 Coliseum Way
Oakland, California

PLATE 4

1148.001.03.010	114800103010_SRR_3-4	GDT	7/09
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



PES Environmental, Inc.
Engineering & Environmental Services

Limits of VOC-Affected Soil Excavation, Sample Locations and Analytical Results
Soil Remediation Report
4600-4700 Coliseum Way
Oakland, California

PLATE
5

1148.001.03.010	114800103010_SRR_5	GDT	7/09
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

APPENDIX A

AMAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES CORRECTIVE ACTION PLAN APPROVAL LETTER

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-93

March 13, 2009

Mr. John Weber
ICONCO
P.O. Box 304
Diablo, CA 94528-304

Subject: SLIC Case No. RO0002995 and Geotracker Global ID T10000000883, 4600-4700 Coliseum Way, Oakland, CA 94601

Dear Mr. Weber:

Alameda County Environmental Health (ACEH) staff has reviewed the Spills, Leaks, Investigation, and Cleanup (SLIC) case file for the subject site including the most recent document entitled, "*Corrective Action Plan, 4600-4700 Coliseum Way, Oakland, California*," dated September 23, 2008 (CAP). The CAP summarizes the results of previous environmental investigations at the site and proposes excavation of VOC-affected soil in the northern portion of the property. Based on existing data, the proposed soil excavation and confirmation soil sampling appears generally adequate to address the area of VOC-affected soils and may be implemented as proposed.

Historic reports in the case file report elevated concentrations of metals in an area of red-stained surface soil in the northern portion of the site. The historic reports also indicate that a soil removal action took place apparently in the area of red-stained soil. However, the investigation of the area and documentation of the removal action are inadequate to evaluate whether the area with elevated concentrations of metals was sufficiently delineated and cleaned up. Ad discussed in the technical comments below, we request that you submit a Work Plan to conduct additional confirmation soil sampling in the excavation area of red-stained soil in the northern portion of the site.

TECHNICAL COMMENTS

1. **Cleanup Goals and Land Use Restrictions.** The proposed cleanup goals for soil are Environmental Screening Levels (ESLs) for shallow soil in a commercial/industrial setting. The specific cleanup goals proposed for VOCs listed in Table 2 of Appendix B in the CAP, are ESLs that are based on leaching from soil to groundwater. For the three VOCs of concern, the ESLs for leaching from soil to groundwater are the same for both residential and commercial land use. In future reports, please show ESLs for both residential and commercial land use in order to help evaluate whether future land use restrictions may be necessary.

2. **Elevated Concentrations of Metals in Soil.** Elevated concentrations of lead and zinc were detected in four soil samples collected on May 6, 2003 from an area with red-stained surface soil. Zinc concentrations were elevated in all four soil samples. Shallow soil was excavated apparently in the area of red-stained soil in June 2003. Two reports were prepared to present confirmation soil sampling results from the excavation (Kleinfelder, June 26, 2003 and W.A. Craig, June 26, 2003). However, neither report provides adequate documentation of the removal or confirmation soil sampling. The Kleinfelder (2003) "Confirmation Soil Samples Results," report indicates that four soil samples were collected, "in the same general area where W.A. Craig had previously collected their

samples." No map showing the location of the excavation or confirmation soil samples was presented. In addition, the soil samples were only analyzed for lead. The W.A. Craig (2003) "Soil Sample Results," report presents a map with soil sample locations. However, the map has no scale, does not show the excavation area, does not show the extent of red-stained soil, does not adequately present fixed points of reference, and is the same map presented in a previous May 2003 report used to show the locations of four investigation soil samples. Furthermore, the text of the W.A. Craig report indicates that the confirmation soil samples, which apparently have the same designations as the investigation soil samples, were collected on June 16, 2003 but the chain-of-custody indicates the soil samples were collected on June 23, 2003. The W.A. Craig report states that soil samples were collected from Bay Mud at the bottom of the excavation at a depth of 1.5 feet bgs while the Kleinfelder report indicates that confirmation soil samples were collected from the bottom of the excavation at a depth of 1 foot bgs. The investigation, excavation, confirmation soil sampling, and documentation of results are not adequate to define the lateral extent of contamination or demonstrate the effectiveness of the soil removal, or confirm the concentrations of metals remaining in soil. We request that you conduct additional confirmation soil sampling in the area of the 2003 excavation to evaluate whether soils with elevated concentrations of metals remain on site. Please present plans for additional confirmation soil sampling in the Work Plan requested below.

3. **Gasoline Tank.** A 6,000-gallon gasoline tank was noted in the northwestern portion of the site on historic Sanborn maps (1952 and 1966). Two soil borings were advanced in the suspected area of the gasoline tank (PIERS January 2008). With the exception of low concentrations of toluene in groundwater, petroleum hydrocarbons and other VOCs were not detected. Please indicate in the Work Plan requested below whether any investigation has been conducted to evaluate whether the tank has been removed.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **May 20, 2009** – Work Plan for Additional Confirmation Soil Sampling in Former Red-Stained Area
- **July 19, 2009** – Shallow Soil Removal Report

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program

FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Leroy Griffin, Oakland Fire Hazardous Materials Unit, 250 Frank Ogawa Plaza, Suite 3341, Oakland, CA 94612

John Weber, c/o Cox, Castle, & Nicholson LLP, 555 California Street, 10th Floor, San Francisco, CA 94104

Gary Thomas, PES Environmental, Inc., 1682 Novato Boulevard, Suite 100, Novato, California 94947-7021

Kyle Flory, PES Environmental, Inc., 1682 Novato Boulevard, Suite 100, Novato, California 94947-7021

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**ISSUE DATE:** July 5, 2005
	REVISION DATE: December 16, 2005
	PREVIOUS REVISIONS: October 31, 2005
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

Effective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection.** (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

Submission Instructions

1) Obtain User Name and Password:
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to dehloptoxic@acgov.org
         or
      ii) Send a fax on company letterhead to (510) 337-9335, to the attention of Alicia Lam-Finneke.
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses,** and the **Case Numbers (RO# available in Geotracker) you will be posting for.**

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape and Firefox browsers will not open the FTP site.
   b) Click on File, then on Login As.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name at acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload.** (e.g., Subject: RO1234 Report Upload)

APPENDIX B

ALAMEDA COUNTY PUBLIS WORKS AGENCY DRILLING PERMIT

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 03/25/2009 By jamesy

Permit Numbers: W2009-0252
Permits Valid from 03/27/2009 to 03/27/2009

Application Id:	1238020506115	**City of Project Site:** Oakland
Site Location:	4600-4700 Colisum Way Oakland, CA	
Project Start Date:	03/27/2009	**Completion Date:** 03/27/2009
Assigned Inspector:	Contact Ron Smalley at (510) 670-5407 or ronaldws@acpwa.org	
Applicant:	PES Environmental - Gary Thomas 1682 Novato Blvd, Suite 100, Novato, CA 94947	**Phone:** 415-899-1600
Property Owner:	John Weber-C/O Cox, Castle & Nicholson, LLP 555 San Francisco ST, 10th Floor, San Francisco, CA 94104	**Phone:** --
Client:	** same as Property Owner **	
Contact:	Gary Thomas	**Phone:** 415-899-1600 **Cell:** --

	Total Due:	$230.00
Receipt Number: WR2009-0113	**Total Amount Paid:**	$230.00
Payer Name : PES Environmental	Paid By: CHECK	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 16 Boreholes
Driller: ENVIRONMENTAL CONTROL ASSOCIATES - Lic #: 659970 - Method: DP **Work Total: $230.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2009-0252	03/25/2009	06/25/2009	16	2.50 in.	4.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

Alameda County Public Works Agency - Water Resources Well Permit

5. Applicant shall contact Ron Smalley for an inspection time at 510-670-5407 or email to ronaldws@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

APPENDIX C

LITHOLOGIC LOGS

MAJOR DIVISIONS					TYPICAL NAMES
COARSE-GRAINED SOILS MORE THAN HALF IS COARSER THAN NO. 200 SIEVE	GRAVELS MORE THAN HALF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE	CLEAN GRAVELS WITH LESS THAN 15% FINES	GW		WELL-GRADED GRAVELS WITH OR WITHOUT SAND
			GP		POORLY-GRADED GRAVELS WITH OR WITHOUT SAND
		GRAVELS WITH 15% OR MORE FINES	GM		SILTY GRAVELS WITH OR WITHOUT SAND
			GC		CLAYEY GRAVELS WITH OR WITHOUT SAND
	SANDS MORE THAN HALF COARSE FRACTION IS FINER THAN NO. 4 SIEVE SIZE	CLEAN SANDS WITH LESS THAN 15% FINES	SW		WELL-GRADED SANDS WITH OR WITHOUT GRAVEL
			SP		POORLY-GRADED SANDS WITH OR WITHOUT GRAVEL
		SANDS WITH 15% OR MORE FINES	SM		SILTY SANDS WITH OR WITHOUT GRAVEL
			SC		CLAYEY SANDS WITH OR WITHOUT GRAVEL
FINE-GRAINED SOILS MORE THAN HALF IS FINER THAN NO. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT 50% OR LESS		ML		INORGANIC SILTS OF LOW TO MEDIUM PLASTICITY WITH OR WITHOUT SAND OR GRAVEL
			CL		INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY WITH OR WITHOUT SAND OR GRAVEL
			OL		ORGANIC SILTS OR CLAYS OF LOW TO MEDIUM PLASTICITY WITH OR WITHOUT SAND OR GRAVEL
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50%		MH		INORGANIC SILTS OF HIGH PLASTICITY WITH OR WITHOUT SAND OR GRAVEL
			CH		INORGANIC CLAYS OF HIGH PLASTICITY WITH OR WITHOUT SAND OR GRAVEL
			OH		ORGANIC SILTS OR CLAYS OF HIGH PLASTICITY WITH OR WITHOUT SAND OR GRAVEL
HIGHLY ORGANIC SOILS			PT		PEAT AND OTHER HIGHLY ORGANIC SOILS

ABBREVIATION KEY

PID (PPM)	- Photo Ionization Detector readings in parts per million from headspace soil sample screening.
BLOWS/6"	- Blows required to drive sampler 6 inches as indicated on the logs using sample drive hammer weight of 140 pounds falling 30 inches.
5Y 5/2	- Soil Color according to Munsell Soil Color Charts (1994 Revised Edition)
feet MSL	- feet above Mean Sea Level
feet BGS	- feet below ground surface

SYMBOLS KEY

- No Soil Sample Recovered
- Partial Soil Sample Recovered
- Undisturbed Soil Sample Recovered
- Soil Sample Submitted for Laboratory Analysis
- Hydropunch Sample
- First Encountered Groundwater Level
- Piezometric Groundwater level

PES Environmental, Inc.
Engineering & Environmental Services

Unified Soil Classification System Chart
4600-4700 Coliseum Way
Oakland, California

PLATE
C-0

1148.001.03.010	USCS Chart	GDT	09/08
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-16

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				YELLOWISH BROWN SILTY GRAVEL (GM) 10YR 5/4, dry, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines)
				[Sample ID: B-16-0.5]
				Change in color to REDDISH YELLOW (7.5YR 6/6) at 1 foot bgs, moist, loose, angular to subangular gravel up to 3/4-inch in diameter, (80% gravel, trace sand, 20% fines)
				DARK GRAYISH BROWN SILTY CLAY (CL) 10YR 4/2, wet, soft, trace fine gravel, (trace gravel, 0% sand, 100% fines), low plasticity
				Change in color to DARK BROWN (10YR 4/3) at 2.75 feet bgs, dry to moist, medium stiff, (0% gravel, 0% sand, 100% fines)
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE
C-1

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-17

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				YELLOWISH BROWN SILTY GRAVEL (GM) 10YR 5/4, dry, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines)
				[Sample ID: B-17-0.5]
				Color change to REDDISH YELLOW (7.5YR 6/6) at 1 foot bgs, moist, loose, angular to subangular gravel up to 3/4-inch in diameter, (80% gravel, trace sand, 20% fines)
				DARK GRAYISH BROWN SILTY CLAY (CL) 10YR 4/2, wet, soft, trace fine gravel, (trace gravel, 0% sand, 100% fines), low plasticity
				Change in color to DARK BROWN (10YR 4/3) at 2.75 feet bgs, dry to moist, medium stiff, (trace gravel, 0% sand, 100% fines)
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE
C-2

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-18

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				YELLOWISH BROWN SILTY GRAVEL (GM) 10YR 5/4, dry, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines)
				Change in color to DARK GRAY (10YR 4/1) mottled with DARK YELLOWISH BROWN (10YR 4/6) at 1 foot bgs, gravel up to 1.5-inches in diameter
				BROWN CLAY (CL) 10YR 4/4, dry, stiff, high plasticity
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-3

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-19

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				YELLOWISH BROWN SILTY GRAVEL (GM) 10YR 5/4, dry, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines)
				[Sample ID: B-19-0.5]
				VERY DARK GRAY SILTY CLAY (CL) 5GY 3/1, moist, medium stiff, low plasticity
				Change in color to BROWN (10YR 4/4) at 2.5 feet bgs, dry, stiff, high plasticity
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-4

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-20

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				YELLOWISH BROWN SILTY GRAVEL (GM) 10YR 5/4, dry, loose, subangular gravel up to 1 inch in diameter, (70% gravel, 0% sand, 30% fines)
				YELLOWISH BROWN GRAVELLY CLAY WITH SILT (CL) 10YR 5/6, dry to moist, stiff, (45% gravel, 0% sand, 55% fines)
				DARK GRAYISH BROWN CLAYEY SILT (ML) 10YR 4/2, moist to wet, soft, trace fine gravel, (5% gravel, 0% sand, 95% fines)
				BROWN CLAY (CH) 10YR 4/4, dry, stiff, high plasticity
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-5

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-21

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				LIGHT BROWNISH GRAY SILT WITH GRAVEL (ML) dry, stiff, contains trace amounts of red-stained soil [Sample ID: B-21-0.5]
				DARK GREENISH GRAY CLAYEY SILT (ML) 5BG 4/1, moist, medium stiff, (0% gravel, trace sand, 100% fines)
				VERY DARK GREENISH GRAY SILTY CLAY (CL) 5GY 3/1, wet, soft, low plasticity
				BROWN CLAY (CH) 10YR 4/4, dry, stiff, high plasticity Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-6

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-22

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				YELLOWISH BROWN SILTY GRAVEL (GM) 10YR 5/4, dry, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines)
				Change in color to DARK YELLOWISH BROWN (10YR 4/6), moist, angular to subangular gravel up to 3/4-inch in diameter, (80% gravel, trace sand, 20% fines), trace clay
				[Sample ID: B-22-1.0]
				VERY DARK GREENISH GRAY CLAYEY SILT (ML) 5GY 3/1, moist, medium stiff, trace fine gravel, (trace gravel, 0% sand, 100% fines), hydrocarbon odor
				BROWN CLAY (CH) 10YR 4/4, dry, stiff, high plasticity
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-7

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-23

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				STRONG BROWN SILTY GRAVEL (GM) 7.5YR 4/6, dry to moist, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines), trace red-stained soil
				VERY DARK GRAYISH BROWN CLAY (CL) 10YR 3/2, dry to moist, medium stiff to stiff, trace coarse-grained sand, (0% gravel, 0% sand, 100% fines)
				Change in color to DARK YELLOWISH BROWN (10YR 4/4)
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE
C-8

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-24

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				STRONG BROWN SILTY GRAVEL (GM) 7.5YR 4/6, dry to moist, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines), trace red-stained soil [Sample ID: B-24-0.5]
				VERY DARK GRAYISH BROWN CLAY (CL) 10YR 3/2, dry to moist, medium stiff to stiff, trace coarse-grained sand, (0% gravel, 0% sand, 100% fines) Change in color to DARK YELLOWISH BROWN (10YR 4/4)
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-9

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-25

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				YELLOWISH BROWN SILTY GRAVEL (GM) 10YR 5/4, dry, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines)
				DARK GRAYISH BROWN SILTY CLAY (CL) 10YR 4/2, wet, soft, trace fine gravel, (trace gravel, 0% sand, 100% fines), low plasticity, strong hydrocarbon odor [Sample ID: B-25-1.0]
				VERY DARK GREENISH GRAY CLAY SILT (ML) 5GY 3/1, moist, medium stiff, trace fine gravel, (trace gravel, 0% sand, 100% fines), strong hydrocarbon odor
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE
C-10

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-26

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				DUSKY RED SILTY GRAVEL (GM) 10YR 3/3, dry, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines), some red-stained soil
				DARK GRAYISH BROWN SILTY CLAY (CL) 10YR 4/2, wet, soft, trace fine gravel, (trace gravel, 0% sand, 100% fines), low plasticity [Sample ID: B-26-1.0]
				REDDISH BROWN mottled with DARK YELLOWISH BROWN CLAYEY SILT (ML) 2.5YR 4/4-10YR 4/6, dry to moist, stiff, trace fine gravel
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE
C-11

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-27

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				YELLOWISH BROWN SILTY GRAVEL (GM) 10YR 5/4, dry, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines)
				Change in color to DARK YELLOWISH BROWN (10YR 4/6) at 0.75 feet bgs, moist, loose, angular to subangular gravel up to 3/4-inch in diameter, (80% gravel, trace sand, 20% fines), trace clay [Sample ID: B-27-1.0]
				DARK GRAYISH BROWN SILTY CLAY (CL) 10YR 4/2, wet, soft, trace fine gravel, (trace gravel, 0% sand, 100% fines), low plasticity
				OLIVE BROWN CLAYEY SILT WITH GRAVEL (ML) (2.5Y 4/4), dry to moist, stiff, fine gravel (15% gravel, 0% sand, 85% fines)
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE
C-12

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-28

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				LIGHT BROWNISH GRAY SILT WITH GRAVEL (ML) 10YR 6/2, dry, stiff, contains trace amounts of red-stained soil
				DARK GREENISH GRAY CLAYEY SILT (ML) 5BG 4/1, dry to moist, stiff, (0% gravel, trace sand, 100% fines) [Sample ID: B-28-1.0]
				VERY DARK GREENISH GRAY SILTY CLAY (CL) 5GY 3/1, moist, soft, low plasticity
				BROWN CLAY (CH) 10YR 4/4, dry, stiff, high plasticity
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-13

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-29

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				LIGHT BROWNISH GRAY SILT WITH GRAVEL (ML) dry, stiff, contains trace amounts of red-stained soil
				DARK GREENISH GRAY CLAYEY SILT (ML) 5BG 4/1, moist, stiff, (0% gravel, trace sand, 100% fines)
				VERY DARK GREENISH GRAY SILTY CLAY (CL) 5GY 3/1, moist, soft, low plasticity
				BROWN CLAY (CH) 10YR 4/4, dry, stiff, high plasticity
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-14

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-30

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				LIGHT BROWNISH GRAY SILT WITH GRAVEL (ML) dry, stiff,contains trace amounts of red-stained soil [Sample ID: B-30-0.5]
				DARK GREENISH GRAY CLAYEY SILT (ML) 5BG 4/1, dry to moist, stiff, (0% gravel, trace sand, 100% fines)
				VERY DARK GREENISH GRAY SILTY CLAY (CL) 5GY 3/1, moist, soft, low plasticity
				BROWN CLAY (CH) 10YR 4/4, dry, stiff, high plasticity Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-15

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-31

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				YELLOWISH BROWN SILTY GRAVEL (GM) 10YR 5/4, dry, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines)
				VERY DARK GREENISH GRAY CLAYEY SILT (ML) 5GY 3/1, moist to very moist, soft to medium stiff, trace subangular gravel up to 1/4-inch in diameter [Sample ID: B-31-0.5]
				[Sample ID: B-31-1.5]
				VERY DARK GREENISH GRAY SILTY CLAY (CL) 5GY 3/1, wet, soft, low plasticity
				BROWN CLAY (CH) 10YR 4/4, dry, stiff, high plasticity Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-16

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-32

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				YELLOWISH BROWN SILTY GRAVEL (GM) 10YR 5/4, dry, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines)
				VERY DARK GREENISH GRAY CLAYEY SILT (ML) 5GY 3/1, moist to very moist, soft to medium stiff, trace subangular gravel up to 1/4-inch in diameter [Sample ID: B-32-1.0]
				VERY DARK GREENISH GRAY SILTY CLAY (CL) 5GY 3/1, wet, soft, low plasticity
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-17

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-33

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				YELLOWISH BROWN SILTY GRAVEL (GM) 10YR 5/4, dry, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines)
				VERY DARK GRAYISH BROWN GRAVELLY SILT WITH CLAY (ML) 2.5YR 3/2, moist, medium stiff to stiff, angular to subangular gravel up to 3/4-inch in diameter, (25% gravel, 0% sand, 75% fines) [Sample ID: B-33-0.5] 2-inch lense of sand at 1 foot bgs, wet, medium dense, poorly graded, medium-to coarse-grained sand
				WEAK RED mottled with DARK YELLOWISH BROWN SILTY CLAY (CL) 2.5YR 4/2-10YR 4/4, moist, medium stiff, trace fine gravel, (trace gravel, 0% sand, 100% fines), medium plasticity
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-18

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-34

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				Concrete
				YELLOWISH BROWN SILTY GRAVEL (GM) 10YR 5/4, dry to moist, loose, angular gravel up to 3/4-inch in diameter, (70% gravel, 0% sand, 30% fines) Change in color to DARK YELLOWISH BROWN (10YR 4/6)
				VERY DARK GRAYISH BROWN GRAVELLY SILT WITH CLAY (ML) 2.5YR 3/2, moist, medium stiff to stiff, angular to subangular gravel up to 3/4-inch in diameter, (25% gravel, 0% sand, 75% fines)
				VERY DARK GREENISH GRAY CLAYEY SILT (ML) 5GY 3/1, moist, soft to medium stiff, trace subangular gravel up to 1/4-inch in diameter
				DARK OLIVE BROWN SILTY CLAY (CL) 5Y 3/2, dry to moist, medium stiff to stiff, trace fine gravel, (trace gravel, 0% sand, 100% fines)
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-19

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-35

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				YELLOWISH BROWN SILTY GRAVEL (GM) 10YR 5/4, dry, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines)
				[Sample ID: B-35-0.5]
				Change in color to DARK YELLOWISH BROWN (10YR 4/6), moist, loose, angular to subangular gravel up to 3/4-inches in diameter, (80% gravel, trace sand, 20% fines), trace clay
				VERY DARK GRAYISH BROWN GRAVELLY SILT WITH CLAY (ML) 2.5YR 3/2, moist, medium stiff to stiff, angular to subangular gravel up to 3/4-inches in diameter, (25% gravel, 0% sand, 75% fines)
				VERY DARK GREENISH GRAY CLAYEY SILT (ML) 5GY 3/1, moist to very moist, soft to medium stiff, trace subangular gravel up to 1/4-inch in diameter
				DARK OLIVE BROWN SILTY CLAY (CL) 5Y 3/2, dry to moist, medium stiff to stiff, trace fine gravel, (trace gravel, 0% sand, 100% fines)
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-20

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-36

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				Asphalt
				SILTY GRAVEL WITH CLAY (GM) 10YR 4/6, moist, loose, angular to subangular gravel up to 3/4-inch in diameter, (80% gravel, trace sand, 20% fines)
				VERY DARK GRAYISH BROWN GRAVELLY SILT WITH CLAY (ML) 2.5YR 3/2, moist, medium stiff to stiff, angular to subangular gravel up to 3/4-inch in diameter, (25% gravel, 0% sand, 75% fines)
				VERY DARK GREENISH GRAY CLAYEY SILT (ML) 5GY 3/1, moist to very moist, soft to medium stiff, trace subangular gravel up to 1/4-inch in diameter
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-21

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-37

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				YELLOWISH BROWN SILTY GRAVEL (GM) 10YR 5/4, dry, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines)
				VERY DARK GRAYISH BROWN GRAVELLY SILT WITH CLAY (ML) 2.5YR 3/2, moist, medium stiff to stiff, angular to subangular gravel up to 3/4-inch in diameter, (25% gravel, 0% sand, 75% fines) [Sample ID: B-37-1.0]
				DARK OLIVE GRAY SILTY CLAY (CL) 5Y 3/2, dry to moist, medium stiff to stiff, trace fine gravel, (trace gravel, 0% sand, 100% fines)
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE

C-22

PES Environmental, Inc.
Engineering & Environmental Services

LOG OF BORING B-38

PID (ppm)	BLOWS/6"	DEPTH (FT)	GRAPHICS	MATERIALS DESCRIPTION
				YELLOWISH BROWN SILTY GRAVEL (GM) 10YR 5/4, dry, loose, angular gravel up to 1-inch in diameter, (70% gravel, 0% sand, 30% fines)
				Change in color to REDDISH YELLOW (7.5YR 6/6) at 1 foot bgs, moist, loose, angular to subangular gravel up to 3/4-inch in diameter, (80% gravel, trace sand, 20% fines)
				DARK GRAYISH BROWN SILTY CLAY (CL) 10YR 4/2, wet, soft, trace fine gravel, (trace gravel, 0% sand, 100% fines), low plasticity
				Change in color to DARK BROWN (10YR 4/3) at 2.75 feet bgs, dry to moist, medium stiff, (0% gravel, 0% sand, 100% fines)
				Bottom of borehole at 4 feet bgs. Borehole backfilled with neat cement grout.
		5		
		10		

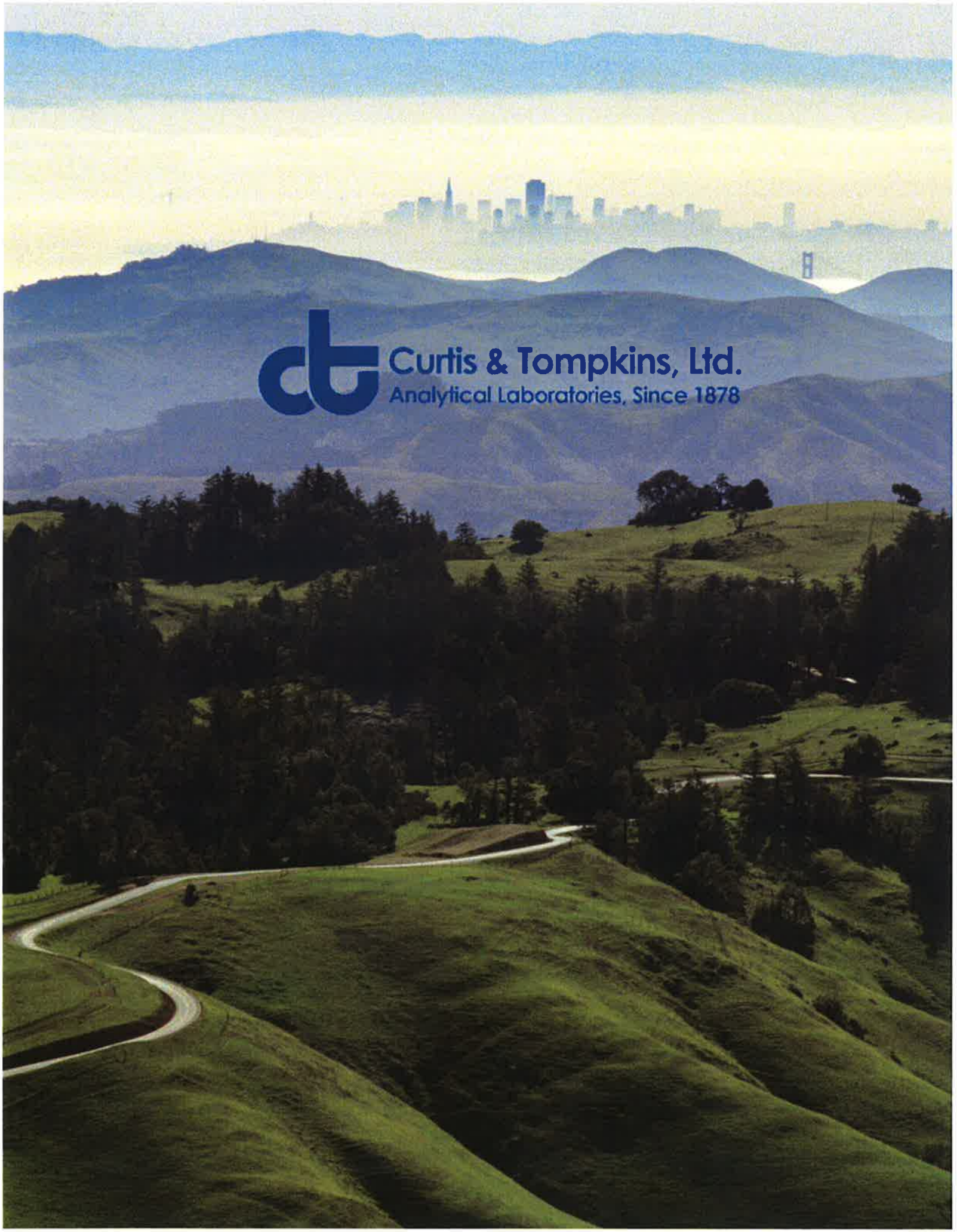
PROJECT	4600-4700 Coliseum Way, Oakland	DIAMETER OF HOLE	2
LOCATION	4700 Coliseum Way, Oakland, California	REVIEWED BY	GDT
JOB NUMBER	1148.001.03.010	TOTAL DEPTH OF HOLE	4 feet
GEOLOGIST/ENGINEER	Chris Baldassari	DATE STARTED	3/27/09
DRILL RIG	Direct Push Rig	DATE COMPLETED	3/27/09

PLATE
C-23

APPENDIX D

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

RESULTS FOR SOIL BORING B-16 THROUGH B-38


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

Laboratory Job Number 210988
ANALYTICAL REPORT

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

Project : 1148.001.03.002
Location : 4700 Coliseum Way Site, Oakland
Level : II

Sample ID	Lab ID	Sample ID	Lab ID
B-35-1.5	210988-001	B-21-0.5	210988-023
B-35-0.5	210988-002	B-21-1.5	210988-024
B-36-0.5	210988-003	B-19-0.5	210988-025
B-36-2.5	210988-004	B-19-2.0	210988-026
B-32-1.0	210988-005	B-31-0.5	210988-027
B-32-2.0	210988-006	B-31-1.5	210988-028
B-34-0.5	210988-007	B-33-0.5	210988-029
B-34-2.0	210988-008	B-33-2.0	210988-030
B-16-0.5	210988-009	B-38-0.5	210988-031
B-16-2.0	210988-010	B-38-2.0	210988-032
B-23-0.5	210988-011	B-22-1.0	210988-033
B-23-2.5	210988-012	B-22-2.0	210988-034
B-37-1.0	210988-013	B-20-0.5	210988-035
B-37-2.5	210988-014	B-20-2.0	210988-036
B-30-2.0	210988-015	B-24-0.5	210988-037
B-30-0.5	210988-016	B-24-2.0	210988-038
B-29-0.5	210988-017	B-18-0.5	210988-039
B-29-2.0	210988-018	B-18-2.5	210988-040
B-28-1.0	210988-019	B-26-1.0	210988-041
B-28-2.0	210988-020	B-25-1.0	210988-042
B-17-0.5	210988-021	B-27-1.0	210988-043
B-17-1.5	210988-022	COMP RED	210988-044

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 03/31/2009
Project Manager

Signature: _____ Date: 04/02/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**210988**
Client:	**PES Environmental, Inc.**
Project:	**1148.001.03.002**
Location:	**4700 Coliseum Way Site, Oakland**
Request Date:	**03/27/09**
Samples Received:	**03/27/09**

This data package contains sample and QC results for seventeen soil samples, requested for the above referenced project on 03/27/09. The samples were received intact at ambient temperature.

Metals (EPA 6010B and EPA 7471A):

Low recoveries were observed for barium in the MS/MSD of B-35-0.5 (lab # 210988-002); the BS/BSD were within limits, and the associated RPD was within limits. No other analytical problems were encountered.

PES Environmental, Inc.
Engineering & Environmental Services
1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

CHAIN OF CUSTODY RECORD

210988

LABORATORY: C&T
SAMPLERS: CJB
JOB NUMBER: 1148.001.03.002
NAME / LOCATION: 4600-4700 Coliseum Way Site/Oakland, CA
PROJECT MANAGER: Kyle Flury
RECORDER:

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET
1	09	03	27	850	B-35-1.5			X		1					
2				849	B-35-0.5			X		1					
3				837	B-36-0.5			X		1					
4				841	B-36-2.5			X		1					
5				920	B-32-1.0			X		1					
6				925	B-32-2.0			X		1					
7				940	B-34-0.5			X		1					
8				945	B-34-2.0			X		1					
9				950	B-16-0.5			X		1					
10				955	B-16-2.0			X		1					
11				1000	B-23-0.5			X		1					
12				1005	B-23-2.5			X		1					

ANALYSIS REQUESTED

EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	Lead (6010B)	Zinc (6010B)	Title 22 Metals	
											Hold
								X	X		
							LM	[redacted]			Hold
											Hold
								X	X		
											Hold
											Hold
											Hold
								X	X		
											Hold
											Hold
											Hold

NOTES

Turn Around Time: 24-Hour TAT
Select portion of samples for analysis from top of soil tubes - indicated by RED end caps, or, as indicated on orange end caps

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	3-27-09	1415
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Dropped off at lab

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

PES Environmental, Inc.
Engineering & Environmental Services

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

CHAIN OF CUSTODY RECORD

210988

LABORATORY: C&T

SAMPLERS: CJB + LM

JOB NUMBER: 1148.001.03.002

NAME / LOCATION: 4600-4700 Coliseum Way site/Oakland, Ca

PROJECT MANAGER: Kyle Flory

RECORDER: CJB & LM

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	Lead (6010B)	Zinc (6010B)	Title 22 metals	
13	09	03	27	1020	B-37-1.0			X		1														X	X		
14				1025	B-37-2.5			X		1																	Hold
15				1030	B-30-2.0			X		1																	Hold
16				1035	B-30-0.5			X		1														X	X		
17				1045	B-29-0.5			X		1																	Hold
18				1050	B-29-2.0			X		1																	Hold
19				1055	B-28-1.0			X		1														X	X		
20				1100	B-28-2.0			X		1																	Hold
21				1105	B-17-0.5			X		1														X	X		
22				1110	B-17-1.5			X		1																	Hold
23				1126	B-21-0.5			X		1														X	X		
24				1126	B-21-1.5			X		1																	Hold

NOTES

Turn Around Time: 24-Hour TAT

- Select portion of samples for analysis from top of soil tubes - indicated by RED end caps, or, as indicated on orange end caps.

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	12/11/09	1415
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Dropped at Lab

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

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

210988

PJ 3 of 4

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

LABORATORY: C & T

SAMPLERS: CJB + LM

JOB NUMBER: 1148.001.03.002

NAME / LOCATION: 4600 - 4700 Coliseum Way site / Oakland CA

PROJECT MANAGER: Kyle Flory

RECORDER:

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	Lead (6010B)	Zinc (6010B)	Tit. 22 Metals	
25	09	03	27	1127	B-19-0.5			X		1														X	X		
26				1128	B-19-2.0			X		1																	Hold
27				1131	B-31-0.5			X		1														X	X		
28				1133	B-31-1.5			X		1																	Hold
29				1135	B-33-0.5			X		1														X	X		
30				1137	B-33-2.0			X		1																	Hold
31				1140	B-38-0.5			X		1																	Hold
32				1145	B-38-2.0			X		1																	Hold
33				1150	B-22-1.0			X		1														X	X		
34				1155	B-22-2.0			X		1																	Hold
35				1157	B-20-0.5			X		1																	Hold
36				1200	B-20-2.0			X		1																	Hold

NOTES

Turn Around Time: 24 - Hour - TAT

- Select sample for analysis from top of soil tubes - indicated by RED soil tube end caps, or, as indicated on orange end caps.

Page 3 of 4

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	3/27/14	1415
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Dropped off at Lab

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

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

210988

pg 4 of 4

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

LABORATORY: C&T
SAMPLERS: CJB+LM
JOB NUMBER: 1148.001.03.002
NAME / LOCATION: 4600-4700 Coliseum Way Site / Oakland Ca
PROJECT MANAGER: Kyle Flory
RECORDER:

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sedim't	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	ANALYSIS REQUESTED: EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	Lead (6010B)	Zinc (6010B)	Title 22 metals						
37	09	03	27	1205	B-24-0.5			X		1														X	X						
38				1210	B-24-2.0			X		1																	Hold				
39				1220	B-18-0.5			X		1																	Hold				
40				1225	B-18-2.5			X		1																	Hold				
41				1230	B-26-1.0			X		1														X	X						
42				1235	B-25-1.0			X		1														X	X						
~~43~~ 42				CJB 1237	~~Composite 25 26 27~~			X		1														X	X						
43				1240	B-27-1.0			X		1														X	X						
				CJB 1245	~~Shelf Soil 0-0.5~~			X		1														X	X						
44				1245	COMP-RED			X		1																X					*

NOTES

Turn Around Time: 24-Hour TAT

Select portion of samples for analysis from top of soil tubes-indicated by RED end caps, or, as indicated on orange end caps

*Please retain unused portion of sample "COMP-RED" for 30 days (for potential additional analyses).

Page 4 of 4

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	3/27/07	1415
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Dropped off at lab

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

6019

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 30988 Date Received 3/27/09 Number of coolers 1
Client PES Environmental Project 4600-4700 Coliseum Way Ste Oakland, CA
Date Opened 3/27/09 By (print) Phung (sign) P. Le
Date Logged in ↓ By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
   Shipping info _____
2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☑ NO
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received? _____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) _____ (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap	☐ Foam blocks	☐ Bags	☑ None
☐ Cloth material	☐ Cardboard	☐ Styrofoam	☐ Paper towels

7. Temperature documentation:

   Type of ice used: ☐ Wet ☐ Blue/Gel ☑ None Temp(°C) _____

   ☐ Samples Received on ice & cold without a temperature blank

   ☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
11. Are sample labels present, in good condition and complete? _____ (YES) NO
12. Do the sample labels agree with custody papers? _____ (YES) NO
13. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
14. Are the samples appropriately preserved? _____ pH (YES) NO (N/A)
15. Are bubbles > 6mm absent in VOA samples? _____ YES NO (N/A)
16. Was the client contacted concerning this sample delivery? _____ YES NO
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____

_____

_____

_____

_____

_____

_____

_____

Curtis & Tompkins, Ltd.

Lead

Lab #:	210988	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	149349
Matrix:	Soil	Sampled:	03/27/09
Units:	mg/Kg	Received:	03/27/09
Basis:	as received	Prepared:	03/27/09
Diln Fac:	1.000	Analyzed:	03/28/09

Field ID	Type	Lab ID	Result	RL
B-35-0.5	SAMPLE	210988-002	5.3	0.25
B-32-1.0	SAMPLE	210988-005	37	0.25
B-16-0.5	SAMPLE	210988-009	60	0.25
B-37-1.0	SAMPLE	210988-013	17	0.25
B-30-0.5	SAMPLE	210988-016	100	0.25
B-28-1.0	SAMPLE	210988-019	84	0.25
B-17-0.5	SAMPLE	210988-021	46	0.25
B-21-0.5	SAMPLE	210988-023	40	0.25
B-19-0.5	SAMPLE	210988-025	130	0.25
B-31-0.5	SAMPLE	210988-027	43	0.25
B-33-0.5	SAMPLE	210988-029	79	0.25
B-22-1.0	SAMPLE	210988-033	76	0.25
B-24-0.5	SAMPLE	210988-037	68	0.25
B-26-1.0	SAMPLE	210988-041	14	0.25
B-25-1.0	SAMPLE	210988-042	44	0.25
B-27-1.0	SAMPLE	210988-043	68	0.25
	BLANK	QC489274	ND	0.25

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Lead

Lab #:	210988	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Field ID:	B-35-0.5	Batch#:	149349
MSS Lab ID:	210988-002	Sampled:	03/27/09
Matrix:	Soil	Received:	03/27/09
Units:	mg/Kg	Prepared:	03/27/09
Basis:	as received	Analyzed:	03/28/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC489275		100.0	93.08	93	80-120		
BSD	QC489276		100.0	92.73	93	80-120	0	20
MS	QC489277	5.301	89.29	75.75	79	49-124		
MSD	QC489278		97.09	83.88	81	49-124	2	31

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	210988	Project#:	1148.001.03.002
Client:	PES Environmental, Inc.	Location:	4700 Coliseum Way Site, Oakland
Field ID:	COMP RED	Basis:	as received
Lab ID:	210988-044	Sampled:	03/27/09
Matrix:	Soil	Received:	03/27/09
Units:	mg/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	1.000	149349	03/27/09	03/28/09	EPA 3050B	EPA 6010B
Arsenic	7.2	0.25	1.000	149349	03/27/09	03/28/09	EPA 3050B	EPA 6010B
Barium	3,700	2.4	10.00	149349	03/27/09	03/30/09	EPA 3050B	EPA 6010B
Beryllium	ND	0.10	1.000	149349	03/27/09	03/28/09	EPA 3050B	EPA 6010B
Cadmium	1.4	0.25	1.000	149349	03/27/09	03/28/09	EPA 3050B	EPA 6010B
Chromium	770	2.4	10.00	149349	03/27/09	03/30/09	EPA 3050B	EPA 6010B
Cobalt	12	0.25	1.000	149349	03/27/09	03/28/09	EPA 3050B	EPA 6010B
Copper	630	2.4	10.00	149349	03/27/09	03/30/09	EPA 3050B	EPA 6010B
Lead	800	1.6	10.00	149349	03/27/09	03/30/09	EPA 3050B	EPA 6010B
Mercury	0.079	0.020	1.000	149387	03/30/09	03/30/09	METHOD	EPA 7471A
Molybdenum	7.7	0.25	1.000	149349	03/27/09	03/28/09	EPA 3050B	EPA 6010B
Nickel	45	0.25	1.000	149349	03/27/09	03/28/09	EPA 3050B	EPA 6010B
Selenium	ND	0.50	1.000	149349	03/27/09	03/28/09	EPA 3050B	EPA 6010B
Silver	0.56	0.25	1.000	149349	03/27/09	03/28/09	EPA 3050B	EPA 6010B
Thallium	ND	0.50	1.000	149349	03/27/09	03/28/09	EPA 3050B	EPA 6010B
Vanadium	18	0.25	1.000	149349	03/27/09	03/28/09	EPA 3050B	EPA 6010B
Zinc	8,500	96	100.0	149349	03/27/09	03/30/09	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	210988	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC489274	Batch#:	149349
Matrix:	Soil	Prepared:	03/27/09
Units:	mg/Kg	Analyzed:	03/28/09
Basis:	as received		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	210988	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	149349
Units:	mg/Kg	Prepared:	03/27/09
Basis:	as received	Analyzed:	03/28/09
Diln Fac:	1.000		

Type: BS Lab ID: QC489275

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	98.46	98	80-120
Arsenic	50.00	47.09	94	80-120
Barium	100.0	91.92	92	80-120
Beryllium	2.500	2.255	90	80-120
Cadmium	10.00	9.223	92	80-120
Chromium	100.0	90.21	90	80-120
Cobalt	25.00	22.20	89	80-120
Copper	12.50	10.79	86	80-120
Lead	100.0	93.08	93	80-120
Molybdenum	20.00	19.50	98	80-120
Nickel	25.00	23.10	92	80-120
Selenium	50.00	45.97	92	80-120
Silver	10.00	9.015	90	80-120
Thallium	50.00	46.88	94	80-120
Vanadium	25.00	22.88	92	80-120
Zinc	25.00	21.05	84	80-120

Type: BSD Lab ID: QC489276

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	98.25	98	80-120	0	20
Arsenic	50.00	47.01	94	80-120	0	20
Barium	100.0	93.40	93	80-120	2	20
Beryllium	2.500	2.308	92	80-120	2	20
Cadmium	10.00	9.474	95	80-120	3	20
Chromium	100.0	91.77	92	80-120	2	20
Cobalt	25.00	22.75	91	80-120	2	20
Copper	12.50	11.00	88	80-120	2	20
Lead	100.0	92.73	93	80-120	0	20
Molybdenum	20.00	19.41	97	80-120	0	20
Nickel	25.00	23.04	92	80-120	0	20
Selenium	50.00	46.03	92	80-120	0	20
Silver	10.00	9.133	91	80-120	1	20
Thallium	50.00	46.60	93	80-120	1	20
Vanadium	25.00	23.34	93	80-120	2	20
Zinc	25.00	21.74	87	80-120	3	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	210988	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Field ID:	B-35-0.5	Batch#:	149349
MSS Lab ID:	210988-002	Sampled:	03/27/09
Matrix:	Soil	Received:	03/27/09
Units:	mg/Kg	Prepared:	03/27/09
Basis:	as received	Analyzed:	03/28/09
Diln Fac:	1.000		

Type: MS Lab ID: QC489277

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	0.1198	89.29	39.36	44	5-120
Arsenic	3.132	44.64	39.38	81	65-120
Barium	166.0	89.29	170.3	5 *	40-141
Beryllium	0.2222	2.232	2.083	83	75-120
Cadmium	0.2244	8.929	7.570	82	63-120
Chromium	6.660	89.29	78.80	81	52-128
Cobalt	6.225	22.32	24.46	82	50-120
Copper	7.171	11.16	14.70	67	38-149
Lead	5.301	89.29	75.75	79	49-124
Molybdenum	1.009	17.86	15.29	80	62-120
Nickel	9.287	22.32	26.88	79	34-148
Selenium	0.4325	44.64	35.44	78	63-120
Silver	0.07522	8.929	7.414	82	66-120
Thallium	<0.1033	44.64	33.07	74	57-120
Vanadium	28.15	22.32	52.87	111	41-146
Zinc	61.56	22.32	88.75	122	25-159

Type: MSD Lab ID: QC489278

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	97.09	45.27	47	5-120	6	31
Arsenic	48.54	42.61	81	65-120	0	24
Barium	97.09	134.6	-32 *	40-141	26	31
Beryllium	2.427	2.247	83	75-120	0	21
Cadmium	9.709	8.321	83	63-120	1	20
Chromium	97.09	86.12	82	52-128	1	25
Cobalt	24.27	26.07	82	50-120	0	26
Copper	12.14	18.00	89	38-149	15	28
Lead	97.09	83.88	81	49-124	2	31
Molybdenum	19.42	16.94	82	62-120	2	20
Nickel	24.27	29.57	84	34-148	4	30
Selenium	48.54	39.14	80	63-120	2	20
Silver	9.709	8.147	83	66-120	1	20
Thallium	48.54	37.13	76	57-120	3	20
Vanadium	24.27	53.40	104	41-146	3	24
Zinc	24.27	87.95	109	25-159	3	33

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

Curtis & Tompkins, Ltd.

Zinc

Lab #:	210988	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Analyte:	Zinc	Batch#:	149349
Matrix:	Soil	Sampled:	03/27/09
Units:	mg/Kg	Received:	03/27/09
Basis:	as received	Prepared:	03/27/09

Field ID	Type	Lab ID	Result	RL	Diln Fac	Analyzed
B-35-0.5	SAMPLE	210988-002	62	1.0	1.000	03/28/09
B-32-1.0	SAMPLE	210988-005	72	1.0	1.000	03/28/09
B-16-0.5	SAMPLE	210988-009	81	1.0	1.000	03/28/09
B-37-1.0	SAMPLE	210988-013	61	1.0	1.000	03/28/09
B-30-0.5	SAMPLE	210988-016	99	1.0	1.000	03/28/09
B-28-1.0	SAMPLE	210988-019	60	1.0	1.000	03/28/09
B-17-0.5	SAMPLE	210988-021	91	1.0	1.000	03/28/09
B-21-0.5	SAMPLE	210988-023	100	1.0	1.000	03/28/09
B-19-0.5	SAMPLE	210988-025	91	1.0	1.000	03/28/09
B-31-0.5	SAMPLE	210988-027	1,300	9.1	10.00	03/30/09
B-33-0.5	SAMPLE	210988-029	70	1.0	1.000	03/28/09
B-22-1.0	SAMPLE	210988-033	70	1.0	1.000	03/28/09
B-24-0.5	SAMPLE	210988-037	100	1.0	1.000	03/28/09
B-26-1.0	SAMPLE	210988-041	25	1.0	1.000	03/28/09
B-25-1.0	SAMPLE	210988-042	55	1.0	1.000	03/28/09
B-27-1.0	SAMPLE	210988-043	84	1.0	1.000	03/28/09
	BLANK	QC489274	ND	1.0	1.000	03/28/09

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Zinc

Lab #:	210988	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Analyte:	Zinc	Diln Fac:	1.000
Field ID:	B-35-0.5	Batch#:	149349
MSS Lab ID:	210988-002	Sampled:	03/27/09
Matrix:	Soil	Received:	03/27/09
Units:	mg/Kg	Prepared:	03/27/09
Basis:	as received	Analyzed:	03/28/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC489275		25.00	21.05	84	80-120		
BSD	QC489276		25.00	21.74	87	80-120	3	20
MS	QC489277	61.56	22.32	88.75	122	25-159		
MSD	QC489278		24.27	87.95	109	25-159	3	33

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	210988	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	1148.001.03.002	Analysis:	EPA 7471A
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC489407	Batch#:	149387
Matrix:	Soil	Prepared:	03/30/09
Units:	mg/Kg	Analyzed:	03/30/09

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	210988	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	1148.001.03.002	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	149387
Units:	mg/Kg	Prepared:	03/30/09
Basis:	as received	Analyzed:	03/30/09

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC489408	0.5000	0.5210	104	80-120		
BSD	QC489409	0.5000	0.5210	104	80-120	0	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	210988	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	1148.001.03.002	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	149387
MSS Lab ID:	210812-008	Sampled:	03/17/09
Matrix:	Soil	Received:	03/18/09
Units:	mg/Kg	Prepared:	03/30/09
Basis:	as received	Analyzed:	03/30/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC489410	<0.006165	0.5000	0.5330	107	64-138		
MSD	QC489411		0.5102	0.5510	108	64-138	1	27

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

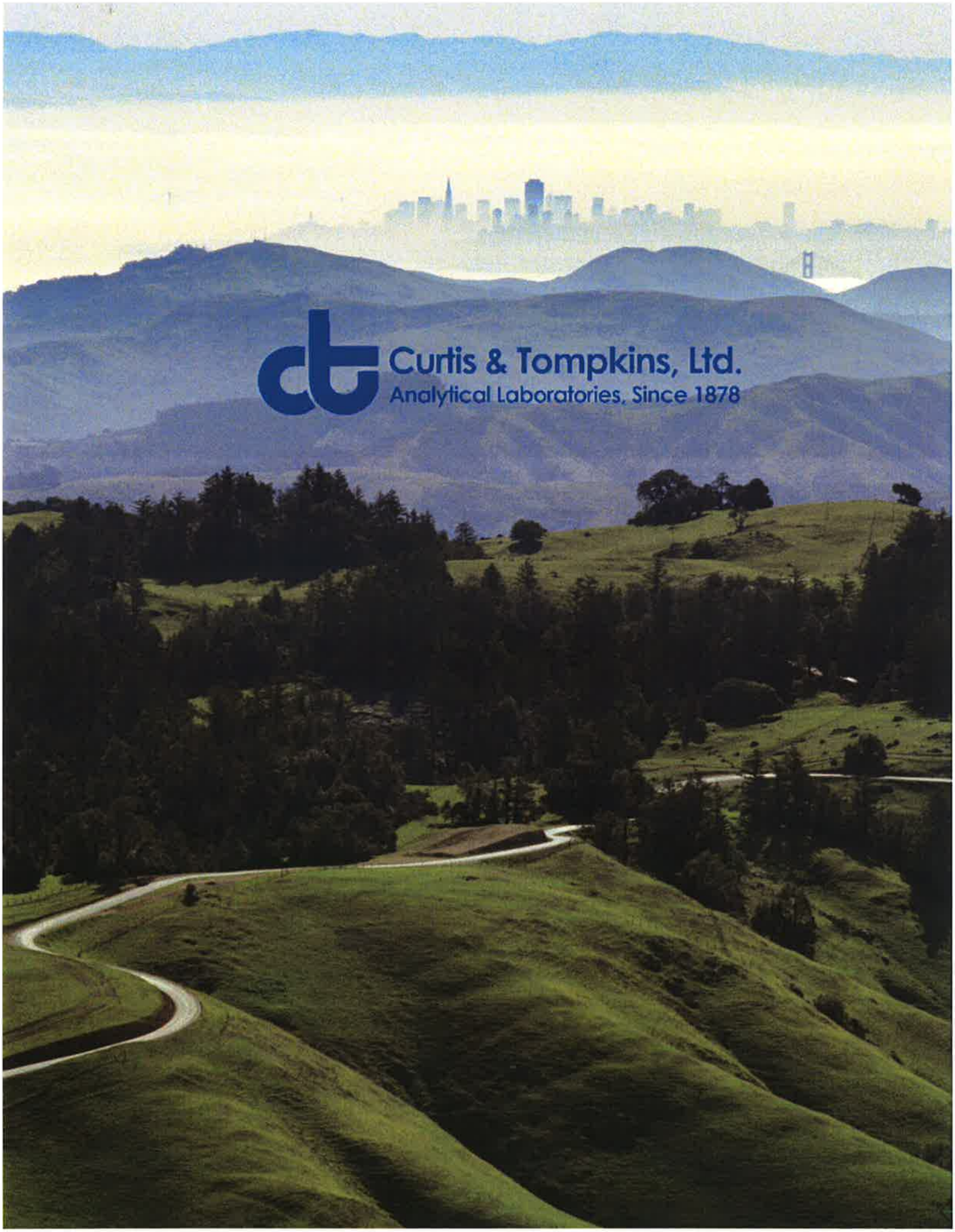
Batch QC Report

California Title 22 Metals

Lab #:	210988	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	1148.001.03.002	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	149387
MSS Lab ID:	210812-013	Sampled:	03/17/09
Matrix:	Soil	Received:	03/18/09
Units:	mg/Kg	Prepared:	03/30/09
Basis:	as received	Analyzed:	03/30/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC489413	<0.006417	0.4902	0.5745	117	64-138		
MSD	QC489414		0.4545	0.4645	102	64-138	14	27

RPD= Relative Percent Difference


Curtis & Tompkins, Ltd.
Analytical Laboratories. Since 1878

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

Laboratory Job Number 211042
ANALYTICAL REPORT

PES Environmental, Inc.	Project : 1148.001.03.002
1682 Novato Boulevard	Location : 4700 Coliseum Way Site, Oakland
Novato, CA 94947	Level : II

Sample ID	Lab ID
B-31-1.5	211042-001

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 04/01/2009
Project Manager

Signature: _____ Date: 04/02/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**211042**
Client:	**PES Environmental, Inc.**
Project:	**1148.001.03.002**
Location:	**4700 Coliseum Way Site, Oakland**
Request Date:	**03/31/09**
Samples Received:	**03/27/09**

This data package contains sample and QC results for one soil sample, requested for the above referenced project on 03/31/09. The sample was received intact.

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

Lisa Brooker 211042

From: "Gary Thomas, P.G." <gthomas@pesenv.com>
To: "Lisa Brooker" <lisa@ctberk.com>
Cc: "Kyle S. Flory" <kflory@pesenv.com>; "Chris Baldassari" <cbaldassari@pesenv.com>
Sent: Tuesday, March 31, 2009 11:16 AM
Attach: 0651_001.pdf
Subject: RE: Coliseum Way Site, Oakland - Additional Analyses on COMP-RED sample

Hi Lisa – In addition, we'd like to analyze sample B-31-1.5 for zinc on 24-hour TAT (see attached CofC). Let me know if this analysis can be done on the requested TAT.

210988-028

Thanks,
Gary

From: Lisa Brooker [mailto:lisa@ctberk.com]
Sent: Tuesday, March 31, 2009 11:03 AM
To: Gary Thomas, P.G.
Cc: Kyle S. Flory; Chris Baldassari
Subject: Re: Coliseum Way Site, Oakland - Additional Analyses on COMP-RED sample

Hi Gary,
72hr tat is not a problem for TCLP/STLC.
Take care,
Lisa

Lisa Brooker
Project Manager
Curtis and Tompkins, Ltd
2323 Fifth Street
Berkeley CA 94710
510.204.2221
www.curtisandtompkins.com

> ---- Original Message -----
> **From:** Gary Thomas, P.G.
> **To:** Lisa Brooker
> **Cc:** Kyle S. Flory ; Chris Baldassari
> **Sent:** Tuesday, March 31, 2009 10:59 AM
> **Subject:** Coliseum Way Site, Oakland - Additional Analyses on COMP-RED sample
>
> Hi Lisa – As indicated on the attached chain of custody, we would like to run various STLC and TCLP analyses on COMP-RED sample. We would like to do the indicated analyses on 72-Hour TAT so please let me know if this is possible.
>
> Thanks,
> Gary

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

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

LABORATORY: CAT

SAMPLERS:

JOB NUMBER:

NAME / LOCATION:

PROJECT MANAGER:

RECORDER:

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)

ANALYSIS REQUESTED

NOTES

Turn Around Time: TAT

Page ___ of ___

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:			

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

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

210988

PJ 3 of 4

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

LABORATORY: C & T

SAMPLERS: CJB + LM

JOB NUMBER: 1148.001.03.002

NAME / LOCATION: 4600 - 4700 Coliseum Way site / Oakland CA

PROJECT MANAGER: Kyle Florey

RECORDER:

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	ANALYSIS REQUESTED EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	Lead (6010B)	Zinc (6010B)	TiH+ 22 Metals	
25	09	03	27	1127	B-19-0.5			X		1														X	X		
26				1128	B-19-2.0			X		1																	Hold
27				1131	B-31-0.5			X		1														X	X		
28				1133	B-31-1.5			X		1																	Hold
29				1135	B-33-0.5			X		1														X	X		
30				1137	B-33-2.0			X		1																	Hold
31				1140	B-38-0.5			X		1																	Hold
32				1145	B-38-2.0			X		1																	Hold
33				1150	B-22-1.0			X		1														X	X		
34				1155	B-22-2.0			X		1																	Hold
35				1157	B-20-0.5			X		1																	Hold
36				1200	B-20-2.0			X		1																	Hold

NOTES

Turn Around Time: 24 - Hour - TAT

- Select sample for analysis from top of soil tubes - indicated by RED soil tube end caps, or, as indicated on orange end caps.

Page 3 of 4

5 of 8

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	3/27/14	1400
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Dropped off at Lab

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

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 20988 Date Received 3/27/09 Number of coolers 1
Client PES Environmental Project 4600-4700 Coliseum Way Site Oakland, CA
Date Opened 3/27/09 By (print) Phuong (sign) P. Le
Date Logged in ↓ By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
   Shipping info _____
2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☑ NO
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received? _____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) _____ (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☐ Bags ☑ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☐ Wet ☐ Blue/Gel ☑ None Temp(°C) _____

☐ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
11. Are sample labels present, in good condition and complete? _____ (YES) NO
12. Do the sample labels agree with custody papers? _____ (YES) NO
13. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
14. Are the samples appropriately preserved? _____ (YES) NO (N/A) pH
15. Are bubbles > 6mm absent in VOA samples? _____ YES NO (N/A)
16. Was the client contacted concerning this sample delivery? _____ YES NO
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____
_____
_____
_____
_____
_____
_____
_____

Curtis & Tompkins, Ltd.

Zinc

Lab #:	211042	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Analyte:	Zinc	Batch#:	149470
Field ID:	B-31-1.5	Sampled:	03/27/09
Matrix:	Soil	Received:	03/27/09
Units:	mg/Kg	Prepared:	03/31/09
Basis:	as received	Analyzed:	04/01/09
Diln Fac:	1.000		

Type	Lab ID	Result	RL
SAMPLE	211042-001	190	1.0
BLANK	QC489771	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

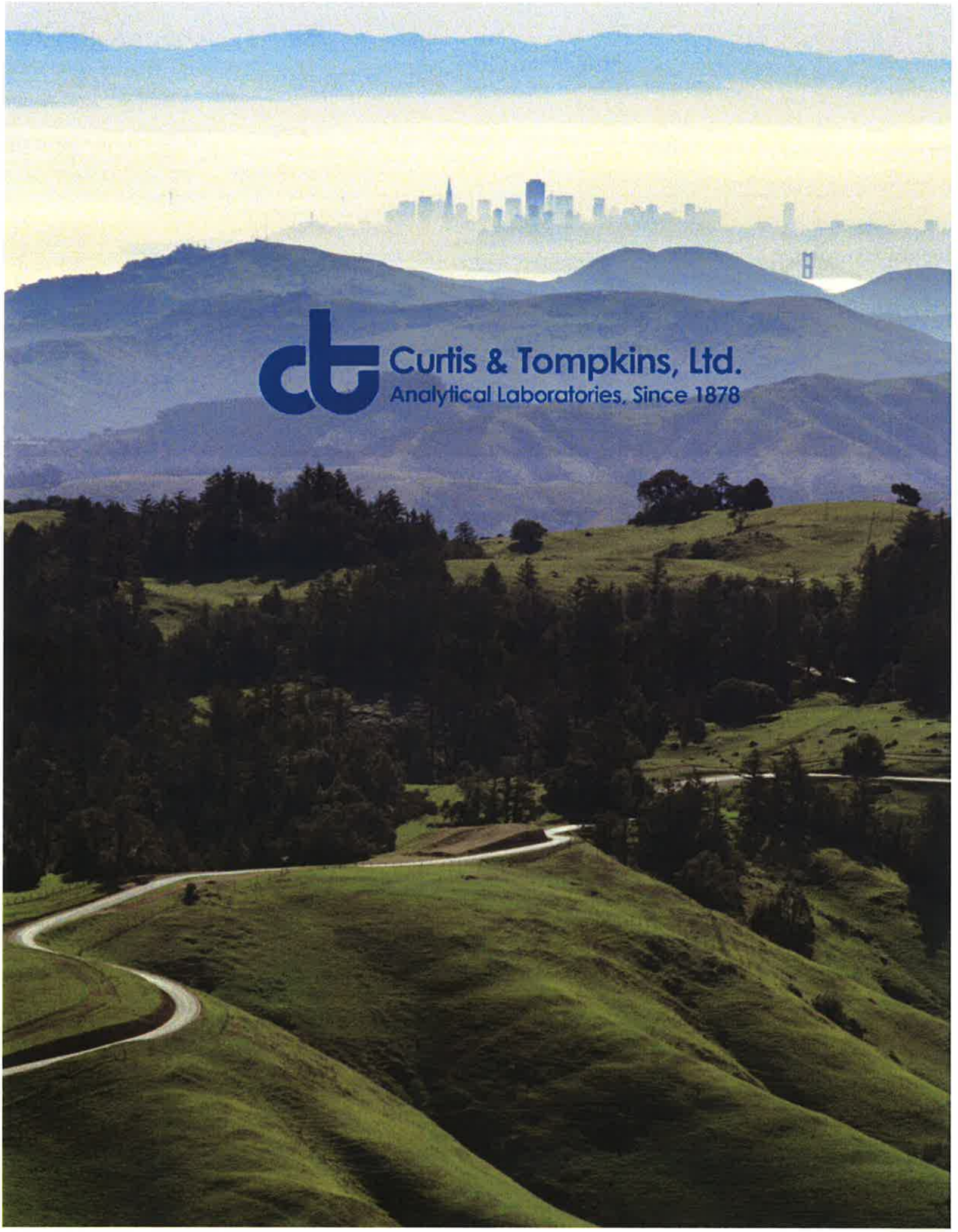
Zinc

Lab #:	211042	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Analyte:	Zinc	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	149470
MSS Lab ID:	211034-003	Sampled:	03/30/09
Matrix:	Soil	Received:	03/30/09
Units:	mg/Kg	Prepared:	03/31/09
Basis:	as received	Analyzed:	04/01/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC489772		25.00	24.62	98	80-120		
BSD	QC489773		25.00	22.66	91	80-120	8	20
MS	QC489774	50.10	23.15	73.92	103	25-159		
MSD	QC489775		24.51	75.78	105	25-159	1	33

RPD= Relative Percent Difference

RESULTS FOR NEAR SURFACE SAMPLE LOCATIONS B-37 (4/3/2009) THROUGH B-50


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

Laboratory Job Number 211153
ANALYTICAL REPORT

PES Environmental, Inc.	Project : 1148.001.03.002
1682 Novato Boulevard	Location : 4700 Coliseum Way Site, Oakland
Novato, CA 94947	Level : II

Sample ID	Lab ID
B-37-1.0	211153-001
B-38-1.0	211153-002
B-39-1.0	211153-003
B-40-1.0	211153-005

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 04/09/2009
Project Manager

Signature: _____ Date: 04/15/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**211153**
Client:	**PES Environmental, Inc.**
Project:	**1148.001.03.002**
Location:	**4700 Coliseum Way Site, Oakland**
Request Date:	**04/03/09**
Samples Received:	**04/03/09**

This data package contains sample and QC results for four soil samples, requested for the above referenced project on 04/03/09. The samples were received intact.

Metals (EPA 6010B):

High recovery was observed for zinc in the MS for batch 149618; the parent sample was not a project sample, and the BS/BSD were within limits. High RPD was also observed for zinc in the MS/MSD for batch 149618; the RPD was acceptable in the BS/BSD. No other analytical problems were encountered.

211153

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

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

LABORATORY: C&T

SAMPLERS: Gary Thomas/Kevin Flory

JOB NUMBER: 1148.001.03.002

NAME / LOCATION: 4600-4700 Coliseum Way Site/Oakland, CA

PROJECT MANAGER:

RECORDER: Gary Thomas

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	ANALYSIS REQUESTED EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	Lead (6010.B)	Zinc (6010B)
1	09	04	03	1305	B-37-1.0			X		1														X	
2	09	04	03	1310	B-38-1.0			X		1														X	
3	09	04	03	1315	B-39-1.0			X		1														X	
4	09	04	03	1320	B-40-1.0			X		1														X	

NOTES

Turn Around Time: 24-Hour TAT

Page 1 of 1

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) Gary Thomas	RECEIVED BY: (Signature)	DATE 4/3/04	TIME 330
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Dropped off at Lab

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

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 211153 Date Received 4/3/09 Number of coolers 0
Client PES Project 4600 - 4700 Colisseum Way Site Oakland CA

Date Opened 4/3/01 By (print) Phuong (sign) P. Le
Date Logged in 4/3/01 By (print) P. Le (sign) P. Le

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
Shipping info _____

2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☑ NO
How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received? _____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) _____ (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☑ Bags ☑ None P. L.
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☐ Wet ☐ Blue/Gel ☑ None Temp(°C) _____

☐ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
11. Are sample labels present, in good condition and complete? _____ (YES) NO
12. Do the sample labels agree with custody papers? _____ (YES) NO
13. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
14. Are the samples appropriately preserved? _____ YES NO (N/A)
15. Are bubbles > 6mm absent in VOA samples? _____ YES NO (N/A)
16. Was the client contacted concerning this sample delivery? _____ YES (NO)
If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____

_____

_____

_____

_____

_____

_____

_____

Curtis & Tompkins, Ltd.

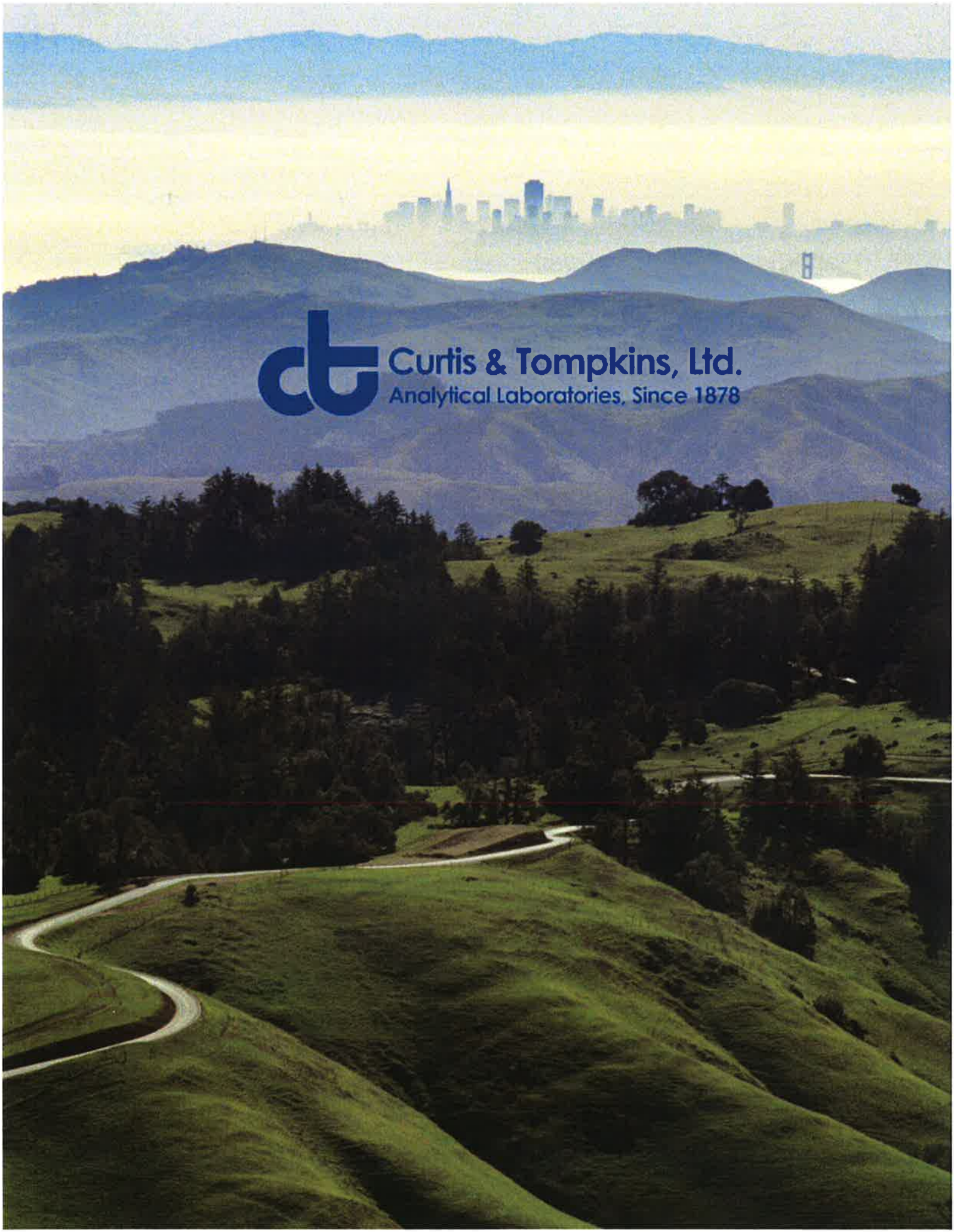
Batch QC Report

Zinc

Lab #:	211153	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Analyte:	Zinc	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	149618
MSS Lab ID:	211070-010	Sampled:	03/31/09
Matrix:	Soil	Received:	03/31/09
Units:	mg/Kg	Prepared:	04/03/09
Basis:	as received	Analyzed:	04/06/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC490389		25.00	24.77	99	80-120		
BSD	QC490390		25.00	23.31	93	80-120	6	20
MS	QC490391	27.34	23.81	67.08	167 *	25-159		
MSD	QC490392		23.58	45.95	79	25-159	37 *	33

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


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

Laboratory Job Number 211344
ANALYTICAL REPORT

PES Environmental, Inc.	Project : 1148.001.03
1682 Novato Boulevard	Location : 4700 Coliseum Way Site, Oakland
Novato, CA 94947	Level : II

Sample ID	Lab ID
STOCK-1	211344-001
STOCK-2	211344-002
STOCK-3	211344-003
STOCK-4	211344-004
TANK FLUID	211344-005
B-41-0	211344-006
B-42-0	211344-007
B-43-0	211344-008
STOCK-1,2,3,4 COMPOSITE	211344-009

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 04/22/2009
Project Manager

Signature: _____ Date: 04/24/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**211344**
Client:	**PES Environmental, Inc.**
Project:	**1148.001.03**
Location:	**4700 Coliseum Way Site, Oakland**
Request Date:	**04/10/09**
Samples Received:	**04/10/09**

This data package contains sample and QC results for four soil samples and one water sample, requested for the above referenced project on 04/10/09. The samples were received cold and intact.

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

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:
Hexachlorobutadiene was detected above the RL in the method blank for batch 149923; this analyte was not detected in the sample at or above the RL. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):
Low recoveries were observed for chromium, molybdenum, and nickel in the MS/MSD for batch 149860; the parent sample was not a project sample, and the BS/BSD were within limits. High RPD was observed for antimony; the RPD was acceptable in the BS/BSD, and this analyte was not detected at or above the RL in the associated sample. No other analytical problems were encountered.

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

211344

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

LABORATORY: Curtis & Tompkins
JOB NUMBER: 1148.001.03
NAME / LOCATION: 4700 Coliseum Wy, Oakland
PROJECT MANAGER: KSF
SAMPLERS: CJB/LM
RECORDER: CJB/LM

	DATE				SAMPLE NUMBER / DESIGNATION	MATRIX					# of Containers & Preservatives												DEPTH IN FEET				ANALYSIS REQUESTED												
(1 of 9)	YR	MO	DY	TIME		Vapor	Water	Soil	Sedim't		Unpres.	EnCore	H_2SO_4	HNO_3	HCl												EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	VOCs by 8260B	Title 22 metals	Fuel Scan, pvtg. Hydrocarbons by 8015	Fuel Scan, extractable Hydrocarbons by 8015	Lead	Zinc	
1	09	04	10	1000	Stock-1			X			1																				X	X					
2				1005	Stock-2			X			1																					X	X					
3				1010	Stock-3			X			1																					X	X					
4				1015	Stock-4			X			1																					X	X					
5				1315	Tank Fluid		X				2				6																	X		X	X				
6				1350	B-41-0			X			1																									X	X	
7				1400	B-42-0			X			1																									X	X	
8				1410	B-43-0			X			1																									X	X	

* NOTE: ****

NOTES

Turn Around Time: 48-hour TAT

* Please composite samples Stock-1 through Stock-4 and analyze as a single composite - do not run discretes.

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) Cynthia Mast	RECEIVED BY: (Signature) Jennifer Kato			DATE 4-10-09	TIME 1430
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)			DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)			DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)			DATE	TIME
DISPATCHED BY: (Signature)	DATE	TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:					

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

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 211344 Date Received 4/10/09 Number of coolers 1
Client PES Project 4700 Coliseum Way, Oakland

Date Opened 4/10/09 By (print) Phuong Le (sign) P Le
Date Logged in ✓ By (print) ✓ (sign) ✓

1. Did cooler come with a shipping slip (airbill, etc) YES (NO)
   Shipping info
2A. Were custody seals present? ☐ YES (circle) on cooler on samples ☑ NO
   How many Name Date
2B. Were custody seals intact upon arrival? YES NO (N/A)
3. Were custody papers dry and intact when received? (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) (YES) NO
6. Indicate the packing in cooler: (if other, describe)

☑ Bubble Wrap ☐ Foam blocks ☑ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C)

☑ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? YES (NO)
   If YES, what time were they transferred to freezer?
9. Did all bottles arrive unbroken/unopened? (YES) NO
10. Are samples in the appropriate containers for indicated tests? (YES) NO
11. Are sample labels present, in good condition and complete? (YES) NO
12. Do the sample labels agree with custody papers? (YES) NO
13. Was sufficient amount of sample sent for tests requested? (YES) NO
14. Are the samples appropriately preserved? (YES) NO N/A
15. Are bubbles > 6mm absent in VOA samples? (YES) NO N/A
16. Was the client contacted concerning this sample delivery? YES NO
   If YES, Who was called? By Date:

COMMENTS

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8015B
Field ID:	TANK FLUID	Batch#:	149843
Matrix:	Water	Sampled:	04/10/09
Units:	ug/L	Received:	04/10/09
Diln Fac:	1.000		

Type: SAMPLE
Lab ID: 211344-005

Analyzed: 04/11/09

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	89	63-146
Bromofluorobenzene (FID)	93	70-140

Type: BLANK
Lab ID: QC491322

Analyzed: 04/10/09

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	63-146
Bromofluorobenzene (FID)	102	70-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC491323	Batch#:	149843
Matrix:	Water	Analyzed:	04/10/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,762	88	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	143	63-146
Bromofluorobenzene (FID)	110	70-140

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	149843
MSS Lab ID:	211295-001	Sampled:	04/07/09
Matrix:	Water	Received:	04/08/09
Units:	ug/L	Analyzed:	04/10/09
Diln Fac:	1.000		

Type: MS Lab ID: QC491324

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	517.4	2,000	2,232	86	66-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	137	63-146
Bromofluorobenzene (FID)	116	70-140

Type: MSD Lab ID: QC491325

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,306	89	66-120	3	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133	63-146
Bromofluorobenzene (FID)	114	70-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	1148.001.03	Analysis:	EPA 8015B
Field ID:	TANK FLUID	Sampled:	04/10/09
Matrix:	Water	Received:	04/10/09
Units:	ug/L	Prepared:	04/10/09
Diln Fac:	1.000	Analyzed:	04/14/09
Batch#:	149857		

Type: SAMPLE Lab ID: 211344-005

Analyte	Result	RL
Diesel C10-C24	1,500 Y	50
Motor Oil C24-C36	820	300

Surrogate	%REC	Limits
o-Terphenyl	106	61-127

Type: BLANK Lab ID: QC491373

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

Surrogate	%REC	Limits
o-Terphenyl	112	61-127

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	1148.001.03	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC491374	Batch#:	149857
Matrix:	Water	Prepared:	04/10/09
Units:	ug/L	Analyzed:	04/14/09

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,940	78	50-120

Surrogate	%REC	Limits
o-Terphenyl	93	61-127

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	1148.001.03	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	149857
MSS Lab ID:	211295-001	Sampled:	04/07/09
Matrix:	Water	Received:	04/08/09
Units:	ug/L	Prepared:	04/10/09
Diln Fac:	1.000	Analyzed:	04/20/09

Type: MS
Lab ID: QC491375

Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	89.16	2,500	2,025	77	38-127

Surrogate	%REC	Limits
o-Terphenyl	75	61-127

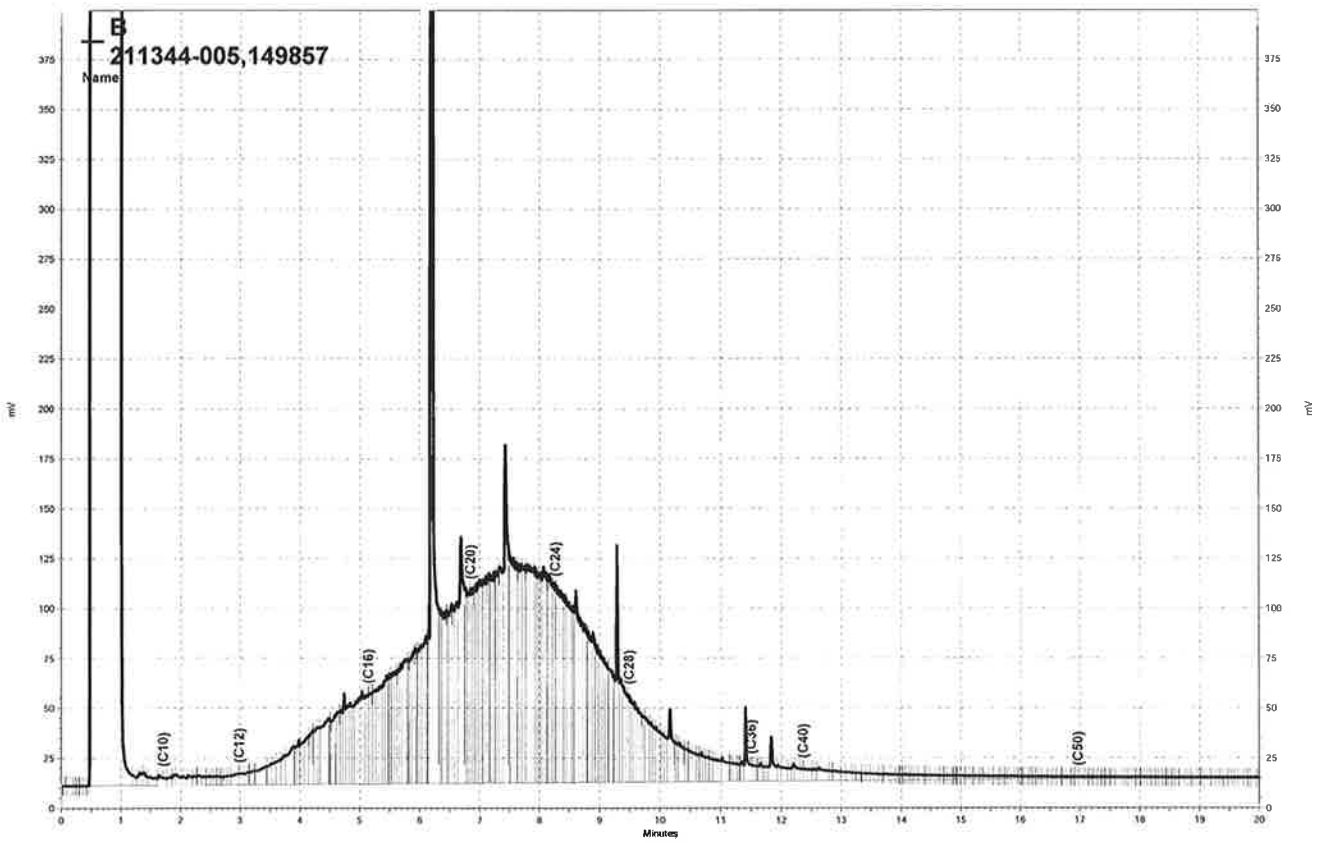
Type: MSD
Lab ID: QC491376

Cleanup Method: EPA 3630C

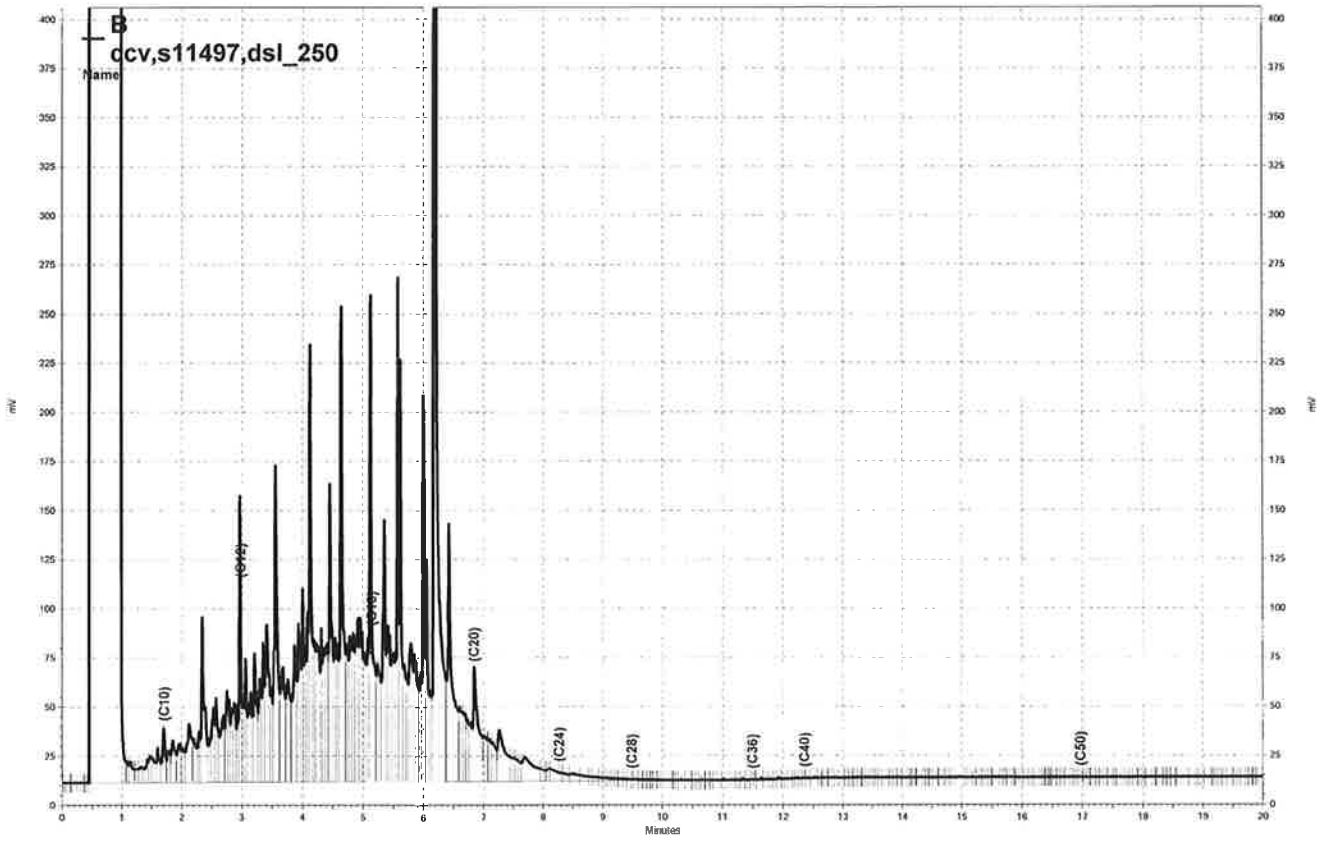
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,047	78	38-127	1	37

Surrogate	%REC	Limits
o-Terphenyl	81	61-127

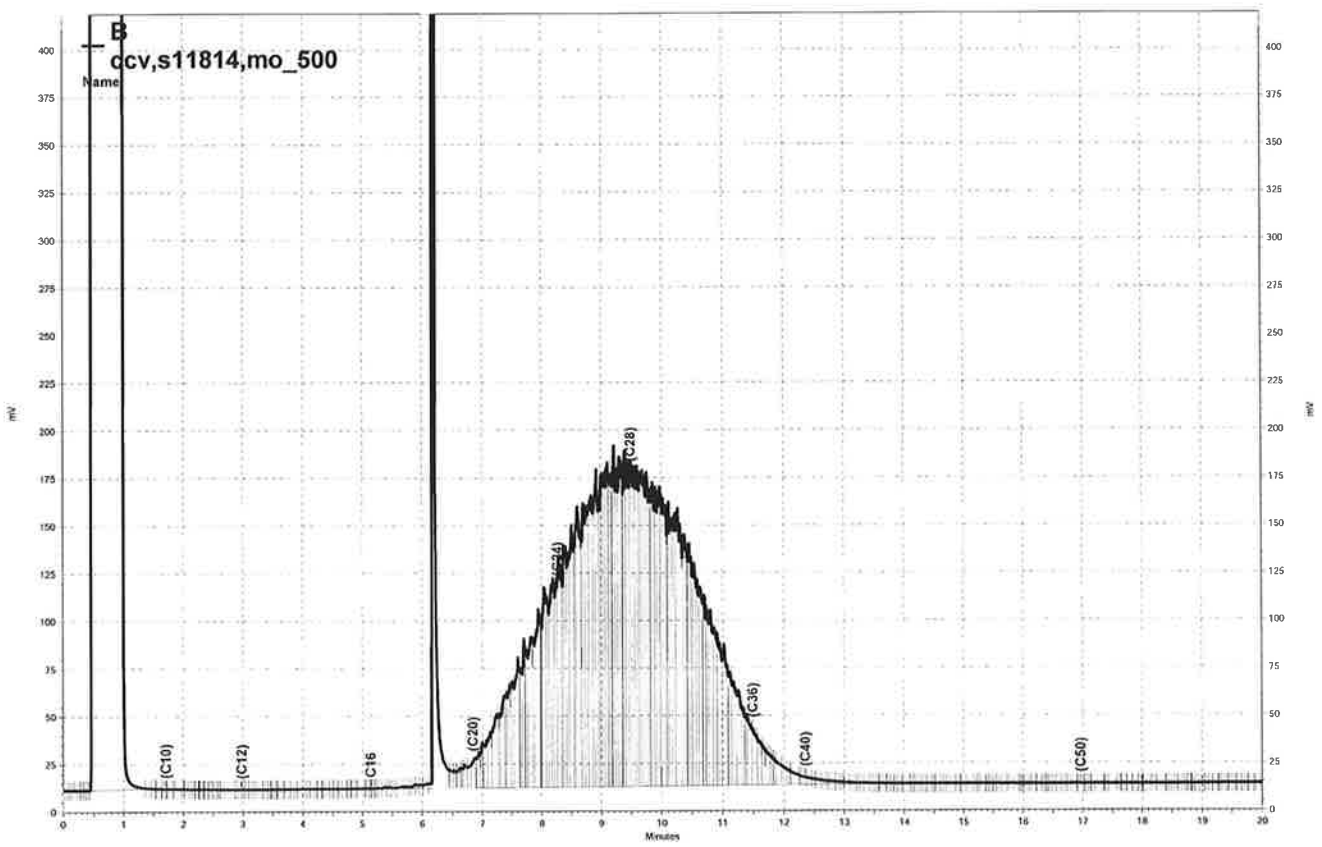
RPD= Relative Percent Difference



\\Lims\gdrive\ezchrom\Projects\GC14B\Data\103b050, B



\\Lims\gdrive\ezchrom\Projects\GC14B\Data\103b045, B



\\Lims\gdrive\ezchrom\Projects\GC14B\Data\103b046, B

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Field ID:	TANK FLUID	Batch#:	149923
Lab ID:	211344-005	Sampled:	04/10/09
Matrix:	Water	Received:	04/10/09
Units:	ug/L	Analyzed:	04/14/09
Diln Fac:	1.000		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Field ID:	TANK FLUID	Batch#:	149923
Lab ID:	211344-005	Sampled:	04/10/09
Matrix:	Water	Received:	04/10/09
Units:	ug/L	Analyzed:	04/14/09
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	109	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	96	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC491642	Batch#:	149923
Matrix:	Water	Analyzed:	04/14/09
Units:	ug/L		

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

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

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC491642	Batch#:	149923
Matrix:	Water	Analyzed:	04/14/09
Units:	ug/L		

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

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-122
1,2-Dichloroethane-d4	110	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	96	80-125

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

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	149923
Units:	ug/L	Analyzed:	04/14/09
Diln Fac:	1.000		

Type: BS Lab ID: QC491640

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	20.00	18.82	94	74-132
Benzene	20.00	21.83	109	80-120
Trichloroethene	20.00	21.48	107	80-120
Toluene	20.00	21.87	109	80-120
Chlorobenzene	20.00	22.19	111	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	111	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	92	80-125

Type: BSD Lab ID: QC491641

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	20.00	16.69	83	74-132	12	20
Benzene	20.00	19.87	99	80-120	9	20
Trichloroethene	20.00	19.50	98	80-120	10	20
Toluene	20.00	20.07	100	80-120	9	20
Chlorobenzene	20.00	20.21	101	80-120	9	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-122
1,2-Dichloroethane-d4	109	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	93	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Field ID:	STOCK-1,2,3,4 COMPOSITE	Diln Fac:	0.8772
Lab ID:	211344-009	Batch#:	149831
Matrix:	Soil	Sampled:	04/10/09
Units:	ug/Kg	Received:	04/10/09
Basis:	as received	Analyzed:	04/10/09

Analyte	Result	RL
Freon 12	ND	8.8
Chloromethane	ND	8.8
Vinyl Chloride	ND	8.8
Bromomethane	ND	8.8
Chloroethane	ND	8.8
Trichlorofluoromethane	ND	4.4
Acetone	ND	8.8
Freon 113	ND	4.4
1,1-Dichloroethene	ND	4.4
Methylene Chloride	ND	18
Carbon Disulfide	ND	4.4
MTBE	ND	4.4
trans-1,2-Dichloroethene	ND	4.4
Vinyl Acetate	ND	44
1,1-Dichloroethane	ND	4.4
2-Butanone	ND	8.8
cis-1,2-Dichloroethene	ND	4.4
2,2-Dichloropropane	ND	4.4
Chloroform	ND	4.4
Bromochloromethane	ND	4.4
1,1,1-Trichloroethane	25	4.4
1,1-Dichloropropene	ND	4.4
Carbon Tetrachloride	ND	4.4
1,2-Dichloroethane	ND	4.4
Benzene	ND	4.4
Trichloroethene	ND	4.4
1,2-Dichloropropane	ND	4.4
Bromodichloromethane	ND	4.4
Dibromomethane	ND	4.4
4-Methyl-2-Pentanone	ND	8.8
cis-1,3-Dichloropropene	ND	4.4
Toluene	ND	4.4
trans-1,3-Dichloropropene	ND	4.4
1,1,2-Trichloroethane	ND	4.4
2-Hexanone	ND	8.8
1,3-Dichloropropane	ND	4.4
Tetrachloroethene	ND	4.4

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Field ID:	STOCK-1,2,3,4 COMPOSITE	Diln Fac:	0.8772
Lab ID:	211344-009	Batch#:	149831
Matrix:	Soil	Sampled:	04/10/09
Units:	ug/Kg	Received:	04/10/09
Basis:	as received	Analyzed:	04/10/09

Analyte	Result	RL
Dibromochloromethane	ND	4.4
1,2-Dibromoethane	ND	4.4
Chlorobenzene	ND	4.4
1,1,1,2-Tetrachloroethane	ND	4.4
Ethylbenzene	ND	4.4
m,p-Xylenes	ND	4.4
o-Xylene	ND	4.4
Styrene	ND	4.4
Bromoform	ND	4.4
Isopropylbenzene	4.8	4.4
1,1,2,2-Tetrachloroethane	ND	4.4
1,2,3-Trichloropropane	ND	4.4
Propylbenzene	11	4.4
Bromobenzene	ND	4.4
1,3,5-Trimethylbenzene	ND	4.4
2-Chlorotoluene	ND	4.4
4-Chlorotoluene	ND	4.4
tert-Butylbenzene	ND	4.4
1,2,4-Trimethylbenzene	9.9	4.4
sec-Butylbenzene	11	4.4
para-Isopropyl Toluene	ND	4.4
1,3-Dichlorobenzene	ND	4.4
1,4-Dichlorobenzene	ND	4.4
n-Butylbenzene	13	4.4
1,2-Dichlorobenzene	ND	4.4
1,2-Dibromo-3-Chloropropane	ND	4.4
1,2,4-Trichlorobenzene	ND	4.4
Hexachlorobutadiene	ND	4.4
Naphthalene	6.4	4.4
1,2,3-Trichlorobenzene	ND	4.4

Surrogate	%REC	Limits
Dibromofluoromethane	85	71-128
1,2-Dichloroethane-d4	100	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	127	77-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC491267	Diln Fac:	1.000
Matrix:	Soil	Batch#:	149831
Units:	ug/Kg	Analyzed:	04/10/09

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC491267	Diln Fac:	1.000
Matrix:	Soil	Batch#:	149831
Units:	ug/Kg	Analyzed:	04/10/09

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	87	71-128
1,2-Dichloroethane-d4	101	69-135
Toluene-d8	104	80-120
Bromofluorobenzene	88	77-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Matrix:	Soil	Diln Fac:	1.000
Units:	ug/Kg	Batch#:	149831
Basis:	as received	Analyzed:	04/10/09

Type: BS Lab ID: QC491268

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	23.10	92	73-135
Benzene	25.00	25.90	104	80-125
Trichloroethene	25.00	27.03	108	80-127
Toluene	25.00	26.21	105	80-126
Chlorobenzene	25.00	27.84	111	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	92	71-128
1,2-Dichloroethane-d4	99	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	90	77-131

Type: BSD Lab ID: QC491269

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	21.16	85	73-135	9	20
Benzene	25.00	25.75	103	80-125	1	20
Trichloroethene	25.00	26.79	107	80-127	1	20
Toluene	25.00	24.90	100	80-126	5	20
Chlorobenzene	25.00	27.67	111	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	95	71-128
1,2-Dichloroethane-d4	102	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	88	77-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9901
MSS Lab ID:	211320-001	Batch#:	149831
Matrix:	Soil	Sampled:	04/08/09
Units:	ug/Kg	Received:	04/09/09
Basis:	as received	Analyzed:	04/10/09

Type: MS Lab ID: QC491364

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.9901	49.50	43.71	88	58-145
Benzene	<0.9901	49.50	46.16	93	56-126
Trichloroethene	<0.9901	49.50	48.96	99	50-142
Toluene	<0.9901	49.50	44.30	89	52-125
Chlorobenzene	<0.9901	49.50	49.84	101	46-120

Surrogate	%REC	Limits
Dibromofluoromethane	88	71-128
1,2-Dichloroethane-d4	88	69-135
Toluene-d8	94	80-120
Bromofluorobenzene	89	77-131

Type: MSD Lab ID: QC491365

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	49.50	41.56	84	58-145	5	28
Benzene	49.50	44.68	90	56-126	3	26
Trichloroethene	49.50	48.43	98	50-142	1	29
Toluene	49.50	44.32	90	52-125	0	29
Chlorobenzene	49.50	46.29	94	46-120	7	29

Surrogate	%REC	Limits
Dibromofluoromethane	87	71-128
1,2-Dichloroethane-d4	89	69-135
Toluene-d8	96	80-120
Bromofluorobenzene	86	77-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Lead

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	149860
Matrix:	Soil	Sampled:	04/10/09
Units:	mg/Kg	Received:	04/10/09
Basis:	as received	Prepared:	04/10/09

Field ID	Type	Lab ID	Result	RL	Diln Fac	Analyzed
B-41-0	SAMPLE	211344-006	1,900	1.3	10.00	04/13/09
B-42-0	SAMPLE	211344-007	410	0.25	1.000	04/11/09
B-43-0	SAMPLE	211344-008	200	0.25	1.000	04/11/09
	BLANK	QC491383	ND	0.25	1.000	04/11/09

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Lead

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Lead	Basis:	as received
Field ID:	ZZZZZZZZZZ	Batch#:	149860
MSS Lab ID:	211344-006	Sampled:	04/10/09
Matrix:	Soil	Received:	04/10/09
Units:	mg/Kg	Prepared:	04/10/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Diln Fac	Analyzed
BS	QC491384		100.0	95.20	95	80-120			1.000	04/11/09
BSD	QC491385		100.0	95.30	95	80-120	0	20	1.000	04/11/09
MS	QC491386	1,908	93.46	684.3	-1310 NM	49-124			10.00	04/13/09
MSD	QC491387		90.91	663.0	-1370 NM	49-124	3	31	10.00	04/13/09

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

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	211344	Project#:	1148.001.03
Client:	PES Environmental, Inc.	Location:	4700 Coliseum Way Site, Oakland
Field ID:	STOCK-1,2,3,4 COMPOSITE	Basis:	as received
Lab ID:	211344-009	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/10/09
Units:	mg/Kg	Received:	04/10/09

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Arsenic	5.4	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Barium	280	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Beryllium	0.42	0.10	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Chromium	47	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Cobalt	8.2	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Copper	17	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Lead	37	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Mercury	0.099	0.020	149892	04/13/09	04/13/09	METHOD	EPA 7471A
Molybdenum	0.43	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Nickel	56	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Selenium	ND	0.50	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Silver	ND	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Thallium	ND	0.50	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Vanadium	32	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Zinc	72	1.0	149860	04/10/09	04/13/09	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC491383	Batch#:	149860
Matrix:	Soil	Prepared:	04/10/09
Units:	mg/Kg	Analyzed:	04/11/09
Basis:	as received		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	149860
Units:	mg/Kg	Prepared:	04/10/09
Basis:	as received	Analyzed:	04/11/09
Diln Fac:	1.000		

Type: BS Lab ID: QC491384

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	105.4	105	80-120
Arsenic	50.00	49.98	100	80-120
Barium	100.0	104.9	105	80-120
Beryllium	2.500	2.723	109	80-120
Cadmium	10.00	9.876	99	80-120
Chromium	100.0	101.0	101	80-120
Cobalt	25.00	24.43	98	80-120
Copper	12.50	12.32	99	80-120
Lead	100.0	95.20	95	80-120
Molybdenum	20.00	21.35	107	80-120
Nickel	25.00	24.66	99	80-120
Selenium	50.00	47.99	96	80-120
Silver	10.00	10.08	101	80-120
Thallium	50.00	47.51	95	80-120
Vanadium	25.00	25.99	104	80-120
Zinc	25.00	22.44	90	80-120

Type: BSD Lab ID: QC491385

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	105.7	106	80-120	0	20
Arsenic	50.00	49.84	100	80-120	0	20
Barium	100.0	107.4	107	80-120	2	20
Beryllium	2.500	2.789	112	80-120	2	20
Cadmium	10.00	10.13	101	80-120	3	20
Chromium	100.0	103.0	103	80-120	2	20
Cobalt	25.00	25.07	100	80-120	3	20
Copper	12.50	12.60	101	80-120	2	20
Lead	100.0	95.30	95	80-120	0	20
Molybdenum	20.00	21.33	107	80-120	0	20
Nickel	25.00	24.62	98	80-120	0	20
Selenium	50.00	48.19	96	80-120	0	20
Silver	10.00	10.28	103	80-120	2	20
Thallium	50.00	47.65	95	80-120	0	20
Vanadium	25.00	26.50	106	80-120	2	20
Zinc	25.00	23.05	92	80-120	3	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	149860
MSS Lab ID:	211344-006	Sampled:	04/10/09
Matrix:	Soil	Received:	04/10/09
Units:	mg/Kg	Prepared:	04/10/09
Basis:	as received		

Type: MS Lab ID: QC491386

Analyte	MSS Result	Spiked	Result	%REC	Limits	Diln Fac	Analyzed
Antimony	<0.1101	93.46	15.51	17	5-120	1.000	04/11/09
Arsenic	8.377	46.73	40.41	69	65-120	1.000	04/11/09
Barium	1,770	93.46	1,604	-178 NM	40-141	10.00	04/13/09
Beryllium	0.2793	2.336	2.062	76	75-120	1.000	04/11/09
Cadmium	0.6345	9.346	6.896	67	63-120	1.000	04/11/09
Chromium	307.8	93.46	240.4	-72 *	52-128	1.000	04/11/09
Cobalt	11.42	23.36	24.25	55	50-120	1.000	04/11/09
Copper	31.39	11.68	35.91	39	38-149	1.000	04/11/09
Lead	1,908	93.46	684.3	-1310 NM	49-124	10.00	04/13/09
Molybdenum	20.23	18.69	13.99	-33 *	62-120	1.000	04/11/09
Nickel	31.82	23.36	38.64	29 *	34-148	1.000	04/11/09
Selenium	<0.8387	46.73	40.11	86	63-120	10.00	04/13/09
Silver	<0.03099	9.346	6.705	72	66-120	1.000	04/11/09
Thallium	<0.09962	46.73	29.47	63	57-120	1.000	04/11/09
Vanadium	31.45	23.36	47.38	68	41-146	1.000	04/11/09
Zinc	2,091	23.36	1,894	-841 NM	25-159	10.00	04/13/09

Type: MSD Lab ID: QC491387

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Diln Fac	Analyzed
Antimony	90.91	21.90	24	5-120	37 *	31	1.000	04/11/09
Arsenic	45.45	46.38	84	65-120	16	24	1.000	04/11/09
Barium	90.91	1,471	-328 NM	40-141	8	31	10.00	04/13/09
Beryllium	2.273	2.388	93	75-120	17	21	1.000	04/11/09
Cadmium	9.091	8.105	82	63-120	19	20	1.000	04/11/09
Chromium	90.91	254.6	-59 *	52-128	6	25	1.000	04/11/09
Cobalt	22.73	28.72	76	50-120	19	26	1.000	04/11/09
Copper	11.36	38.83	66	38-149	9	28	1.000	04/11/09
Lead	90.91	663.0	-1370 NM	49-124	3	31	10.00	04/13/09
Molybdenum	18.18	16.89	-18 *	62-120	20	20	1.000	04/11/09
Nickel	22.73	47.15	67	34-148	21	30	1.000	04/11/09
Selenium	45.45	37.99	84	63-120	3	20	10.00	04/13/09
Silver	9.091	7.888	87	66-120	19	20	1.000	04/11/09
Thallium	45.45	33.73	74	57-120	16	20	1.000	04/11/09
Vanadium	22.73	53.82	98	41-146	14	24	1.000	04/11/09
Zinc	22.73	1,891	-878 NM	25-159	0	33	10.00	04/13/09

*= Value outside of QC limits; see narrative
NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference

11.0

Curtis & Tompkins, Ltd.

Zinc

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Zinc	Batch#:	149860
Matrix:	Soil	Sampled:	04/10/09
Units:	mg/Kg	Received:	04/10/09
Basis:	as received	Prepared:	04/10/09

Field ID	Type	Lab ID	Result	RL	Diln Fac	Analyzed
B-41-0	SAMPLE	211344-006	2,100	8.9	10.00	04/13/09
B-42-0	SAMPLE	211344-007	410	1.0	1.000	04/11/09
B-43-0	SAMPLE	211344-008	600	9.4	10.00	04/13/09
	BLANK	QC491383	ND	1.0	1.000	04/11/09

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Zinc

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Zinc	Basis:	as received
Field ID:	ZZZZZZZZZZ	Batch#:	149860
MSS Lab ID:	211344-006	Sampled:	04/10/09
Matrix:	Soil	Received:	04/10/09
Units:	mg/Kg	Prepared:	04/10/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Diln Fac	Analyzed
BS	QC491384		25.00	22.44	90	80-120			1.000	04/11/09
BSD	QC491385		25.00	23.05	92	80-120	3	20	1.000	04/11/09
MS	QC491386	2,091	23.36	1,894	-841 NM	25-159			10.00	04/13/09
MSD	QC491387		22.73	1,891	-878 NM	25-159	0	33	10.00	04/13/09

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

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	1148.001.03	Analysis:	EPA 7471A
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC491505	Batch#:	149892
Matrix:	Soil	Prepared:	04/13/09
Units:	mg/Kg	Analyzed:	04/13/09

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	1148.001.03	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	149892
Units:	mg/Kg	Prepared:	04/13/09
Basis:	as received	Analyzed:	04/13/09

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC491506	0.5000	0.5190	104	80-120		
BSD	QC491507	0.5000	0.5110	102	80-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

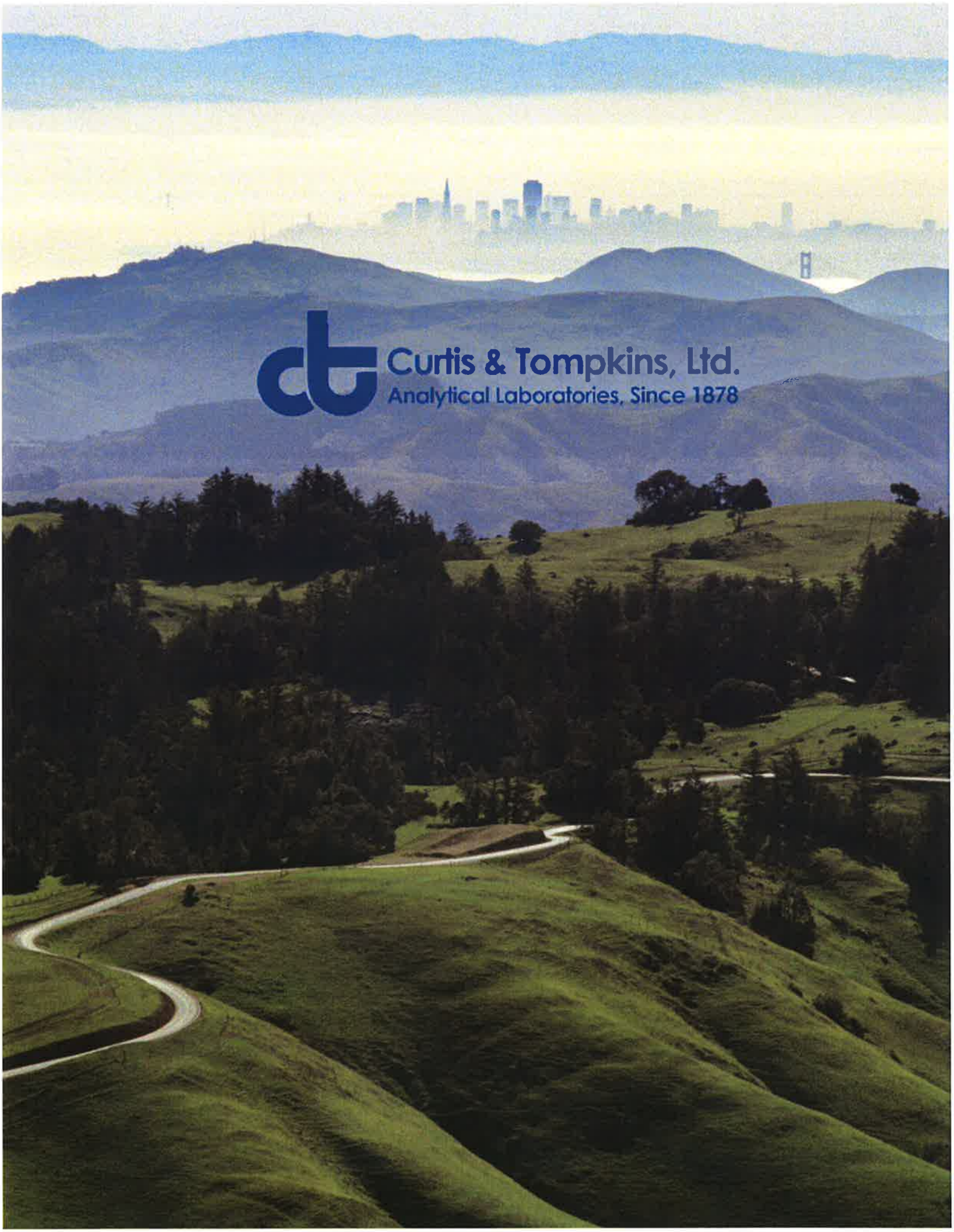
Batch QC Report

California Title 22 Metals

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	1148.001.03	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	149892
MSS Lab ID:	211123-001	Sampled:	04/02/09
Matrix:	Soil	Received:	04/02/09
Units:	mg/Kg	Prepared:	04/13/09
Basis:	as received	Analyzed:	04/13/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC491508	0.09647	0.5208	0.6563	107	64-138		
MSD	QC491509		0.4717	0.5811	103	64-138	4	27

RPD= Relative Percent Difference


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

Laboratory Job Number 212143
ANALYTICAL REPORT

PES Environmental, Inc.	Project : 1148.001.03.002
1682 Novato Boulevard	Location : 4700 Coliseum Way Site, Oakland
Novato, CA 94947	Level : II

Sample ID	Lab ID
B-44-1.0	212143-001
B-45-1.0	212143-002
B-46-1.0	212143-003

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 05/18/2009
Project Manager

Signature: _____ Date: 05/21/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**212143**
Client:	**PES Environmental, Inc.**
Project:	**1148.001.03.002**
Location:	**4700 Coliseum Way Site, Oakland**
Request Date:	**05/14/09**
Samples Received:	**05/14/09**

This data package contains sample and QC results for three soil samples, requested for the above referenced project on 05/14/09. The samples were received intact.

Metals (EPA 6010B):

High RPD was observed for lead in the MS/MSD for batch 151033; the parent sample was not a project sample, and the RPD was acceptable in the BS/BSD. No other analytical problems were encountered.

21214'3

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis & Tompkins
SAMPLERS: Luke Mast
JOB NUMBER: 1148.001.03.002
NAME / LOCATION: 4600-4700 Coliseum Way S. Fe/Oakland, CA
PROJECT MANAGER: Kyle Flory
RECORDER: Luke Mast

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sedim't	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	ANALYSIS REQUESTED: EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	Lead (Method 6010B)	Zinc (Method 6010B)
09	05	14	1140	B-44-1.0			X		1														X	X
09	05	14	1150	B-45-1.0			X		1														X	X
09	05	14	1200	B-46-1.0			X		1														X	X

NOTES

Turn Around Time: 24-Hour TAT

Please email results to

[redacted] kflory@pesenv.com

gthomas@pesenv.com

Page _____ of _____

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	5/14/09	1:30
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Dropped off at lab

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

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 212143 Date Received 5-14-9 Number of coolers 1
Client PES Project 4700 COLISEUM WAY

Date Opened 5-14-9 By (print) S. GRAS (sign) [signature]
Date Logged in [illegible] By (print) [illegible] (sign) [illegible]

1. Did cooler come with a shipping slip (airbill, etc) _____ YES NO
   Shipping info _____
2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☒ NO
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO N/A
3. Were custody papers dry and intact when received? _____ YES NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO
5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO
6. Indicate the packing in cooler: (if other, describe) _____

☒ Bubble Wrap ☐ Foam blocks ☐ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

   Type of ice used: ☐ Wet ☐ Blue/Gel ☒ None Temp(°C) _____

   ☐ Samples Received on ice & cold without a temperature blank

   ☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES NO
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ YES NO
10. Are samples in the appropriate containers for indicated tests? _____ YES NO
11. Are sample labels present, in good condition and complete? _____ YES NO
12. Do the sample labels agree with custody papers? _____ YES NO
13. Was sufficient amount of sample sent for tests requested? _____ YES NO
14. Are the samples appropriately preserved? _____ YES NO N/A
15. Are bubbles > 6mm absent in VOA samples? _____ YES NO N/A
16. Was the client contacted concerning this sample delivery? _____ YES NO
    If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____
_____
_____
_____
_____
_____
_____
_____

Curtis & Tompkins, Ltd.

Lead

Lab #:	212143	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Analyte:	Lead	Sampled:	05/14/09
Matrix:	Soil	Received:	05/14/09
Units:	mg/Kg	Prepared:	05/14/09
Basis:	as received	Analyzed:	05/15/09
Batch#:	151033		

Field ID	Type	Lab ID	Result	RL	Diln Fac
B-44-1.0	SAMPLE	212143-001	800	14	100.0
B-45-1.0	SAMPLE	212143-002	2,800	15	100.0
B-46-1.0	SAMPLE	212143-003	730	14	100.0
	BLANK	QC496094	ND	0.25	1.000

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Lead

Lab #:	212143	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	151033
MSS Lab ID:	212083-001	Sampled:	05/11/09
Matrix:	Soil	Received:	05/12/09
Units:	mg/Kg	Prepared:	05/14/09
Basis:	as received	Analyzed:	05/15/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC496095		25.00	22.78	91	80-120		
BSD	QC496096		25.00	22.55	90	80-120	1	20
MS	QC496097	159.2	23.15	213.8	236 NM	49-124		
MSD	QC496098		24.04	140.7	-77 NM	49-124	42 *	31

*= Value outside of QC limits; see narrative
NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Zinc

Lab #:	212143	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Analyte:	Zinc	Sampled:	05/14/09
Matrix:	Soil	Received:	05/14/09
Units:	mg/Kg	Prepared:	05/14/09
Basis:	as received	Analyzed:	05/15/09
Batch#:	151033		

Field ID	Type	Lab ID	Result	RL	Diln Fac
B-44-1.0	SAMPLE	212143-001	1,100	95	100.0
B-45-1.0	SAMPLE	212143-002	1,700	99	100.0
B-46-1.0	SAMPLE	212143-003	1,100	92	100.0
	BLANK	QC496094	ND	1.0	1.000

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

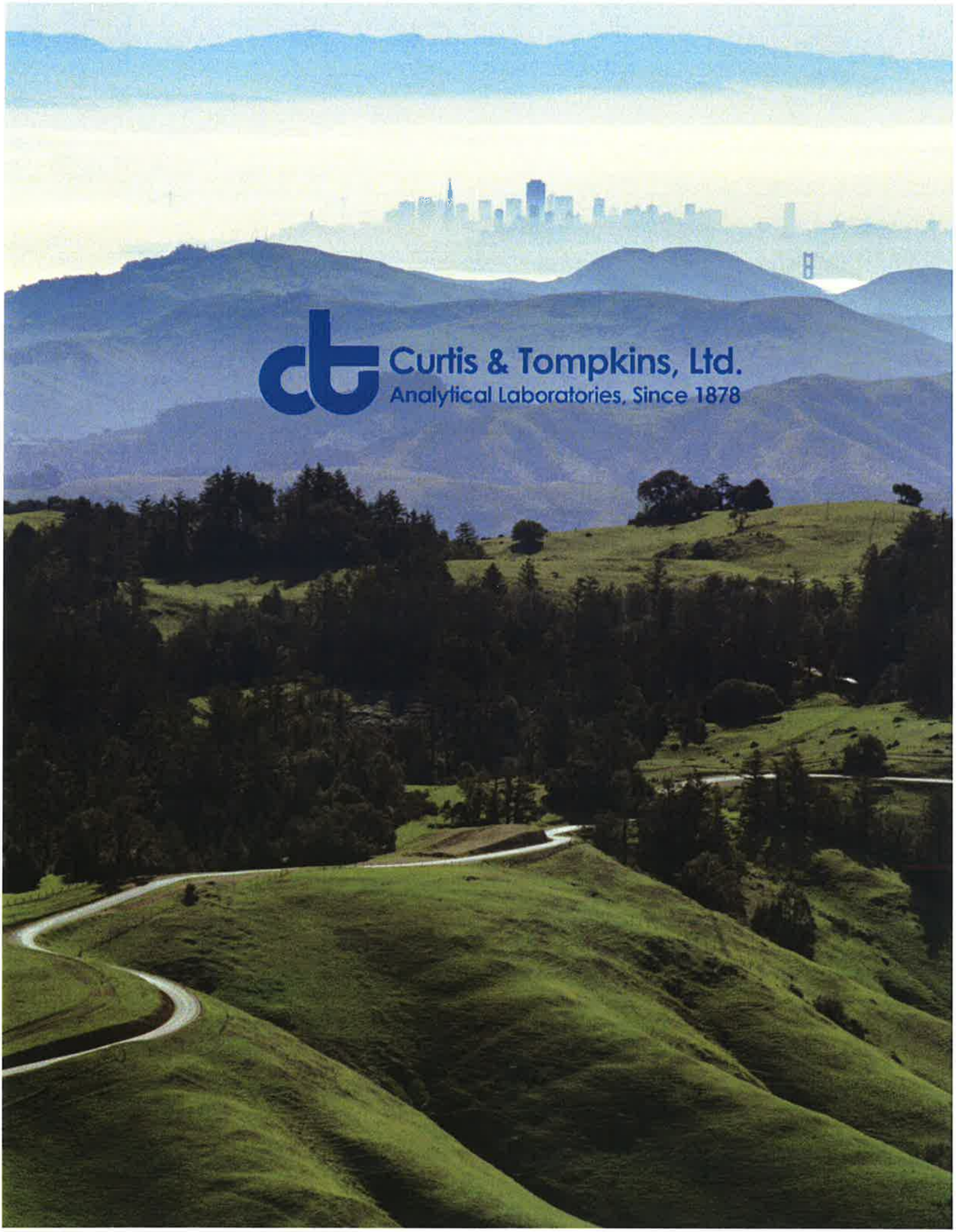
Batch QC Report

Zinc

Lab #:	212143	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Analyte:	Zinc	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	151033
MSS Lab ID:	212083-001	Sampled:	05/11/09
Matrix:	Soil	Received:	05/12/09
Units:	mg/Kg	Prepared:	05/14/09
Basis:	as received	Analyzed:	05/15/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC496095		25.00	23.05	92	80-120		
BSD	QC496096		25.00	23.05	92	80-120	0	20
MS	QC496097	197.0	23.15	250.7	232 NM	25-159		
MSD	QC496098		24.04	244.2	196 NM	25-159	3	33

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


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

Laboratory Job Number 212244
ANALYTICAL REPORT

PES Environmental, Inc.	Project : 1148.001.03
1682 Novato Boulevard	Location : 4700 Coliseum Way Site, Oakland
Novato, CA 94947	Level : II

Sample ID	Lab ID
B-47-1.0	212244-001
B-48-1.0	212244-002

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 05/26/2009
Project Manager

Signature: _____ Date: 05/27/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**212244**
Client:	**PES Environmental, Inc.**
Project:	**1148.001.03**
Location:	**4700 Coliseum Way Site, Oakland**
Request Date:	**05/19/09**
Samples Received:	**05/19/09**

This data package contains sample and QC results for two soil samples, requested for the above referenced project on 05/19/09. The samples were received intact.

Metals (EPA 6010B):

High recovery was observed for lead in the MSD for batch 151136; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits. No other analytical problems were encountered.

212244

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis & Tompkins
JOB NUMBER: 1148.001.03
NAME / LOCATION: 4700 Coliseum Way
PROJECT MANAGER: Kyle Flory

SAMPLERS: MR & LM
RECORDER: MR 120

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)
09	05	19	1515	B-47-1.0			X		1													X Lead 6010B, Zinc 6010B
09	05	19	1525	B-48-1.0			X		1													X X

NOTES

Turn Around Time: 24-hour

Please send Copy of COC to KFlory@pesenv.com upon receipt

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature) Curtis Kent	RECEIVED BY: (Signature) Cat Hungate	DATE 5/19/05	TIME 4:09
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:			

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

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 712249 Date Received 5-19-9 Number of coolers 2
Client DES Project 4700 COLEUM WAY

Date Opened 5-19-9 By (print) S. EVANS (sign) [signature]
Date Logged in [illegible] By (print) [illegible] (sign) [illegible]

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
Shipping info _____

2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☒ NO
How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO N/A
3. Were custody papers dry and intact when received? _____ YES NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO
5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☐ Wet ☐ Blue/Gel ☒ None Temp(°C) _____

☐ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ YES NO
10. Are samples in the appropriate containers for indicated tests? _____ YES NO
11. Are sample labels present, in good condition and complete? _____ YES NO
12. Do the sample labels agree with custody papers? _____ YES NO
13. Was sufficient amount of sample sent for tests requested? _____ YES NO
14. Are the samples appropriately preserved? _____ YES NO N/A
15. Are bubbles > 6mm absent in VOA samples? _____ YES NO N/A
16. Was the client contacted concerning this sample delivery? _____ YES NO
If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____
_____
_____
_____
_____
_____
_____
_____

Curtis & Tompkins, Ltd.

Lead

Lab #:	212244	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Lead	Sampled:	05/19/09
Matrix:	Soil	Received:	05/19/09
Units:	mg/Kg	Prepared:	05/18/09
Basis:	as received	Analyzed:	05/19/09
Batch#:	151136		

Field ID	Type	Lab ID	Result	RL	Diln Fac
B-47-1.0	SAMPLE	212244-001	410	0.25	1.000
B-48-1.0	SAMPLE	212244-002	1,300	1.7	10.00
	BLANK	QC496516	ND	0.25	1.000

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Lead

Lab #:	212244	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	151136
MSS Lab ID:	212226-005	Sampled:	05/18/09
Matrix:	Soil	Received:	05/18/09
Units:	mg/Kg	Prepared:	05/18/09
Basis:	as received	Analyzed:	05/19/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC496517		25.00	25.51	102	80-120		
BSD	QC496518		25.00	26.09	104	80-120	2	20
MS	QC496519	68.50	22.52	81.89	59	49-124		
MSD	QC496520		22.32	106.7	171 *	49-124	27	31

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

Curtis & Tompkins, Ltd.

Zinc

Lab #:	212244	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Zinc	Sampled:	05/19/09
Matrix:	Soil	Received:	05/19/09
Units:	mg/Kg	Prepared:	05/18/09
Basis:	as received	Analyzed:	05/19/09
Batch#:	151136		

Field ID	Type	Lab ID	Result	RL	Diln Fac
B-47-1.0	SAMPLE	212244-001	710	8.5	10.00
B-48-1.0	SAMPLE	212244-002	1,100	10	10.00
	BLANK	QC496516	ND	1.0	1.000

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

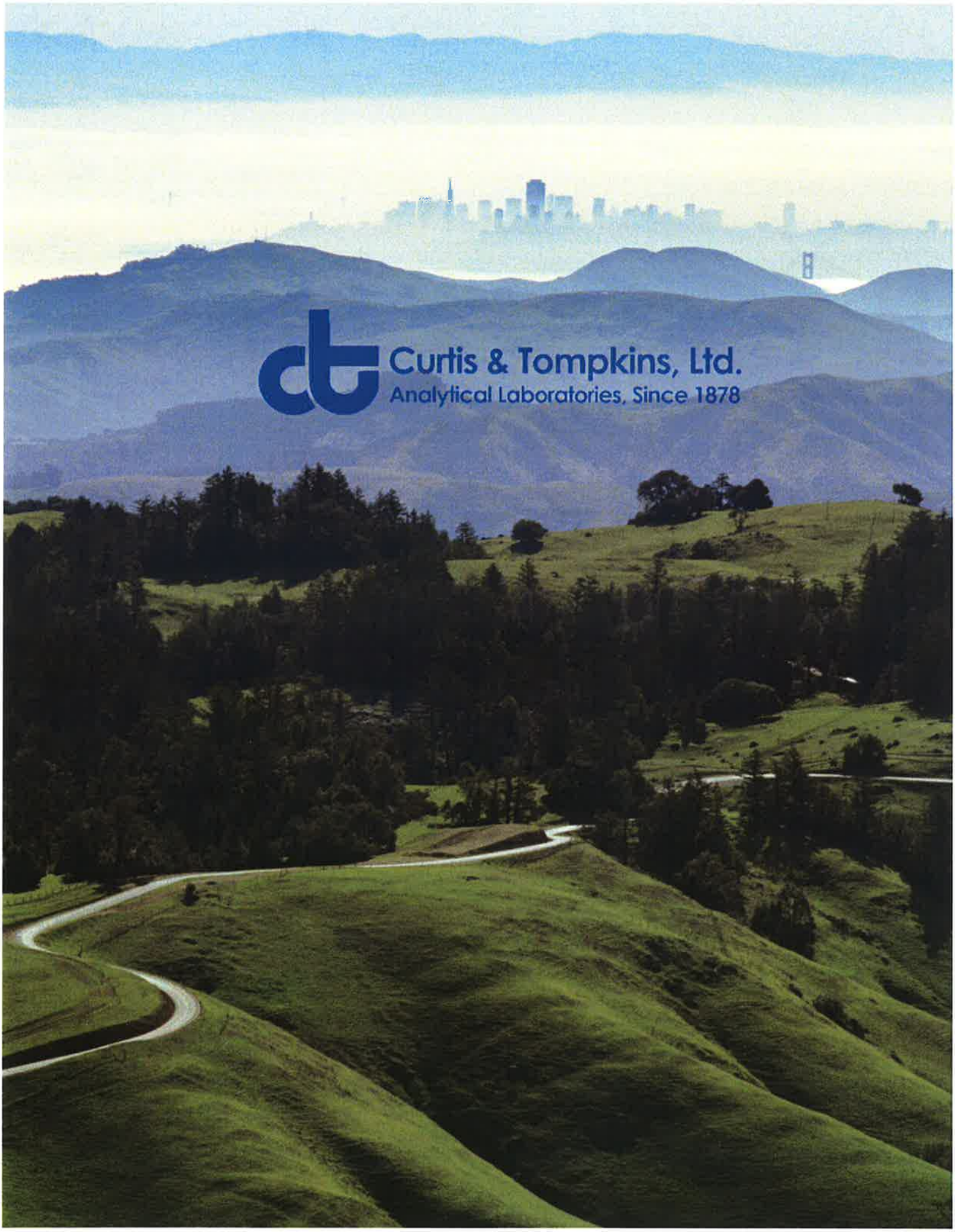
Batch QC Report

Zinc

Lab #:	212244	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Zinc	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	151136
MSS Lab ID:	212226-005	Sampled:	05/18/09
Matrix:	Soil	Received:	05/18/09
Units:	mg/Kg	Prepared:	05/18/09
Basis:	as received	Analyzed:	05/19/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC496517		25.00	25.77	103	80-120		
BSD	QC496518		25.00	26.50	106	80-120	3	20
MS	QC496519	238.6	22.52	341.1	455 NM	25-159		
MSD	QC496520		22.32	264.4	116 NM	25-159	25	33

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


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

Laboratory Job Number 212273
ANALYTICAL REPORT

PES Environmental, Inc.	Project : 1148.001.03
1682 Novato Boulevard	Location : 4700 Coliseum Way Site, Oakland
Novato, CA 94947	Level : II

Sample ID	Lab ID
B-49-1	212273-001
B-50-1	212273-002

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 05/27/2009
Project Manager

Signature: _____ Date: 05/28/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**212273**
Client:	**PES Environmental, Inc.**
Project:	**1148.001.03**
Location:	**4700 Coliseum Way Site, Oakland**
Request Date:	**05/20/09**
Samples Received:	**05/20/09**

This data package contains sample and QC results for two soil samples, requested for the above referenced project on 05/20/09. The samples were received intact.

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

2/2273

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

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

LABORATORY: Curtis & Tompkins
JOB NUMBER: 1148.001.03
NAME / LOCATION: 4700 Coliseum Way
PROJECT MANAGER: Kyle Flory

SAMPLERS: M. Rizo
RECORDER: M. Rizo

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sedim't	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	ANALYSIS REQUESTED: EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)
09	05	20	1420	B-49-1			X		1													X Lead 6010B, Zinc 6010B
09	05	20	1425	B-50-1			X		1													X X

NOTES

Turn Around Time: 24-hr.

Please send copy of COC to Kyle Flory at KFlory@pesenv.com

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	5/20/09	1535
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:			

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

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 212273 Date Received 5/20/09 Number of coolers 0
Client PES Project 4700 COLISEUM WAY

Date Opened 5/20/09 By (print) MNILLONWE (sign)
Date Logged in ↓ By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc) _____ YES NO
   Shipping info _____

2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☐ NO
   How many _____ Name _____ Date _____

2B. Were custody seals intact upon arrival? _____ YES NO N/A

3. Were custody papers dry and intact when received? _____ YES NO

4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO

6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☐ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☐ Wet ☐ Blue/Gel ☐ None Temp(°C) _____

☐ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES NO
   If YES, what time were they transferred to freezer? _____

9. Did all bottles arrive unbroken/unopened? _____ YES NO

10. Are samples in the appropriate containers for indicated tests? _____ YES NO

11. Are sample labels present, in good condition and complete? _____ YES NO

12. Do the sample labels agree with custody papers? _____ YES NO

13. Was sufficient amount of sample sent for tests requested? _____ YES NO

14. Are the samples appropriately preserved? _____ YES NO N/A

15. Are bubbles > 6mm absent in VOA samples? _____ YES NO N/A

16. Was the client contacted concerning this sample delivery? _____ YES NO
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS
SAMPLE #1 TIME ON SAMPLE 1320
SAMPLE #2 TIME ON SAMPLE 1325

Curtis & Tompkins, Ltd.

Lead

Lab #:	212273	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	151235
Matrix:	Soil	Sampled:	05/20/09
Units:	mg/Kg	Received:	05/20/09
Basis:	as received	Prepared:	05/20/09

Field ID	Type	Lab ID	Result	RL	Diln Fac	Analyzed
B-49-1	SAMPLE	212273-001	1,600	1.5	10.00	05/21/09
B-50-1	SAMPLE	212273-002	900	1.6	10.00	05/21/09
	BLANK	QC496944	ND	0.25	1.000	05/20/09

ND= Not Detected
RL= Reporting Limit

2.0

Curtis & Tompkins, Ltd.

Batch QC Report

Lead

Lab #:	212273	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Lead	Diln Fac:	1.000
Field ID:	UST-SP-COMP	Batch#:	151235
MSS Lab ID:	212269-001	Sampled:	05/20/09
Matrix:	Soil	Received:	05/20/09
Units:	mg/Kg	Prepared:	05/20/09
Basis:	as received		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Analyzed
BS	QC496945		25.00	22.09	88	80-120			05/20/09
BSD	QC496946		25.00	22.27	89	80-120	1	20	05/20/09
MS	QC496947	262.0	22.73	490.3 >LR	1004 NM	49-124			05/20/09
MSD	QC496948		22.52	296.8	154 NM	49-124	NC	31	05/21/09

NC= Not Calculated
NM= Not Meaningful: Sample concentration > 4X spike concentration
>LR= Response exceeds instrument's linear range
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Zinc

Lab #:	212273	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Zinc	Batch#:	151235
Matrix:	Soil	Sampled:	05/20/09
Units:	mg/Kg	Received:	05/20/09
Basis:	as received	Prepared:	05/20/09

Field ID	Type	Lab ID	Result	RL	Diln Fac	Analyzed
B-49-1	SAMPLE	212273-001	1,400	9.0	10.00	05/21/09
B-50-1	SAMPLE	212273-002	870	9.6	10.00	05/21/09
	BLANK	QC496944	ND	1.0	1.000	05/20/09

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Zinc

Lab #:	212273	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Zinc	Diln Fac:	1.000
Field ID:	UST-SP-COMP	Batch#:	151235
MSS Lab ID:	212269-001	Sampled:	05/20/09
Matrix:	Soil	Received:	05/20/09
Units:	mg/Kg	Prepared:	05/20/09
Basis:	as received		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Analyzed
BS	QC496945		25.00	23.41	94	80-120			05/20/09
BSD	QC496946		25.00	23.43	94	80-120	0	20	05/20/09
MS	QC496947	382.2	22.73	374.5	-34 NM	25-159			05/20/09
MSD	QC496948		22.52	510.4 >LR	569 NM	25-159	NC	33	05/21/09

NC= Not Calculated
NM= Not Meaningful: Sample concentration > 4X spike concentration
>LR= Response exceeds instrument's linear range
RPD= Relative Percent Difference

RESULTS FOR VERIFICATION SOIL SAMPLES

Torrent
LABORATORY, INC.

April 09, 2009

Kyle Flory
PES Environmental, Inc
1682 Novato Blvd. STE#100
Novato, CA 94947

TEL: (415) 899-1600
FAX: (415) 899-1601

RE: 1148.001.03

Order No.: 0904048

Dear Kyle Flory:

Torrent Laboratory, Inc. received 8 samples on 4/8/2009 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.
Reported data is applicable for only the samples received as part of the order number referenced above.

Torrent Laboratory, Inc, is certified by the State of California, ELAP #1991. If you have any questions regarding these tests results, please feel free to contact the Project Management Team at (408)263-5258;ext: 204.

Sincerely,

Laboratory Director 4/9/09 Date

Patti Sandrock
QA Officer

TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

Visit us at www.torrentlab.com email: analysis@torrentlab.com

Report prepared for: Kyle Flory
PES Environmental, Inc

Date Received: 4/8/2009
Date Reported: 4/9/2009

Client Sample ID: SW-N-3.0
Sample Location: 4600-4700 Coliseum Wy,Oaklan
Sample Matrix: SOIL
Date/Time Sampled 4/8/2009 2:00:00 PM

Lab Sample ID: 0904048-001
Date Prepared: 4/9/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1-Trichloroethane	SW8260B	4/9/2009	1.965	1000	1770	6700 J	µg/Kg	R19182
1,1,2,2-Tetrachloroethane	SW8260B	4/9/2009	1.878	1000	1690	ND	µg/Kg	R19182
1,1,2-Trichloroethane	SW8260B	4/9/2009	1.709	1000	1540	ND	µg/Kg	R19182
1,1-Dichloroethane	SW8260B	4/9/2009	1.669	1000	1500	ND	µg/Kg	R19182
1,1-Dichloroethene	SW8260B	4/9/2009	5	1000	4500	ND	µg/Kg	R19182
1,1-Dichloropropene	SW8260B	4/9/2009	5	1000	4500	ND	µg/Kg	R19182
1,2-Dichlorobenzene	SW8260B	4/9/2009	1.926	1000	1730	ND	µg/Kg	R19182
1,2-Dichloroethane (EDC)	SW8260B	4/9/2009	1.702	1000	1530	ND	µg/Kg	R19182
1,2-Dichloropropane	SW8260B	4/9/2009	1.897	1000	1710	ND	µg/Kg	R19182
1,3-Dichlorobenzene	SW8260B	4/9/2009	1.568	1000	1410	ND	µg/Kg	R19182
1,4-Dichlorobenzene	SW8260B	4/9/2009	2.142	1000	1930	ND	µg/Kg	R19182
2-Chloroethyl vinyl ether	SW8260B	4/9/2009	3	1000	2700	ND	µg/Kg	R19182
Bromodichloromethane	SW8260B	4/9/2009	1.365	1000	1230	ND	µg/Kg	R19182
Bromoform	SW8260B	4/9/2009	1.814	1000	1630	ND	µg/Kg	R19182
Bromomethane	SW8260B	4/9/2009	1	1000	900	ND	µg/Kg	R19182
Carbon tetrachloride	SW8260B	4/9/2009	2.249	1000	2020	ND	µg/Kg	R19182
Chlorobenzene	SW8260B	4/9/2009	1.376	1000	1240	ND	µg/Kg	R19182
Chloroethane	SW8260B	4/9/2009	5	1000	4500	ND	µg/Kg	R19182
Chloroform	SW8260B	4/9/2009	1.824	1000	1640	ND	µg/Kg	R19182
Chloromethane	SW8260B	4/9/2009	1.584	1000	1430	ND	µg/Kg	R19182
cis-1,2-Dichloroethene	SW8260B	4/9/2009	1.814	1000	1630	ND	µg/Kg	R19182
cis-1,3-Dichloropropene	SW8260B	4/9/2009	1	1000	900	ND	µg/Kg	R19182
Dibromochloromethane	SW8260B	4/9/2009	1.198	1000	1080	ND	µg/Kg	R19182
Dichlorodifluoromethane	SW8260B	4/9/2009	10	1000	9000	ND	µg/Kg	R19182
Freon-113	SW8260B	4/9/2009	1.616	1000	1450	ND	µg/Kg	R19182
Methylene chloride	SW8260B	4/9/2009	1.434	1000	1290	ND	µg/Kg	R19182
Tetrachloroethene	SW8260B	4/9/2009	1.513	1000	1360	ND	µg/Kg	R19182
trans-1,2-Dichloroethene	SW8260B	4/9/2009	1.751	1000	1580	ND	µg/Kg	R19182
trans-1,3-Dichloropropene	SW8260B	4/9/2009	1.462	1000	1320	ND	µg/Kg	R19182
Trichloroethene	SW8260B	4/9/2009	1.44	1000	1300	ND	µg/Kg	R19182
Trichlorofluoromethane	SW8260B	4/9/2009	1.741	1000	1570	ND	µg/Kg	R19182
Vinyl chloride	SW8260B	4/9/2009	1.757	1000	1580	ND	µg/Kg	R19182
Surr: 4-Bromofluorobenzene	SW8260B	4/9/2009	1.589	1000	55.8-141	85.8	%REC	R19182
Surr: Dibromofluoromethane	SW8260B	4/9/2009	1.312	1000	59.8-148	88.3	%REC	R19182
Surr: Toluene-d8	SW8260B	4/9/2009	1.633	1000	55.2-133	80.4	%REC	R19182

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for:	Kyle Flory	**Date Received:**	4/8/2009
	PES Environmental, Inc	**Date Reported:**	4/9/2009

Client Sample ID:	SW-N-3.0	**Lab Sample ID:**	0904048-001
Sample Location:	4600-4700 Coliseum Wy,Oaklan	**Date Prepared:**	4/9/2009
Sample Matrix:	SOIL		
Date/Time Sampled	4/8/2009 2:00:00 PM		

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch

Note: Results reported to the MDL. Due to the significant amount of the heavy end compounds supressing the internal standard signal used for qauntitation, sample was analyzed with appropriate dilution. Results between the MDL and RL should be considered as estimated and are flagged with the appropriate "J" qualifier.

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Kyle Flory
PES Environmental, Inc

Date Received: 4/8/2009
Date Reported: 4/9/2009

Client Sample ID: SW-S-3.0
Sample Location: 4600-4700 Coliseum Wy,Oaklan
Sample Matrix: SOIL
Date/Time Sampled 4/8/2009 2:30:00 PM

Lab Sample ID: 0904048-002
Date Prepared: 4/8/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1-Trichloroethane	SW8260B	4/8/2009	1.965	500	825	5450	µg/Kg	R19182
1,1,2,2-Tetrachloroethane	SW8260B	4/8/2009	1.878	500	789	ND	µg/Kg	R19182
1,1,2-Trichloroethane	SW8260B	4/8/2009	1.709	500	718	ND	µg/Kg	R19182
1,1-Dichloroethane	SW8260B	4/8/2009	1.669	500	701	ND	µg/Kg	R19182
1,1-Dichloroethene	SW8260B	4/8/2009	5	500	2100	ND	µg/Kg	R19182
1,1-Dichloropropene	SW8260B	4/8/2009	5	500	2100	ND	µg/Kg	R19182
1,2-Dichlorobenzene	SW8260B	4/8/2009	1.926	500	809	ND	µg/Kg	R19182
1,2-Dichloroethane (EDC)	SW8260B	4/8/2009	1.702	500	715	ND	µg/Kg	R19182
1,2-Dichloropropane	SW8260B	4/8/2009	1.897	500	797	ND	µg/Kg	R19182
1,3-Dichlorobenzene	SW8260B	4/8/2009	1.568	500	659	ND	µg/Kg	R19182
1,4-Dichlorobenzene	SW8260B	4/8/2009	2.142	500	900	ND	µg/Kg	R19182
2-Chloroethyl vinyl ether	SW8260B	4/8/2009	3	500	1260	ND	µg/Kg	R19182
Bromodichloromethane	SW8260B	4/8/2009	1.365	500	573	ND	µg/Kg	R19182
Bromoform	SW8260B	4/8/2009	1.814	500	762	ND	µg/Kg	R19182
Bromomethane	SW8260B	4/8/2009	1	500	420	ND	µg/Kg	R19182
Carbon tetrachloride	SW8260B	4/8/2009	2.249	500	945	ND	µg/Kg	R19182
Chlorobenzene	SW8260B	4/8/2009	1.376	500	578	ND	µg/Kg	R19182
Chloroethane	SW8260B	4/8/2009	5	500	2100	ND	µg/Kg	R19182
Chloroform	SW8260B	4/8/2009	1.824	500	766	ND	µg/Kg	R19182
Chloromethane	SW8260B	4/8/2009	1.584	500	665	ND	µg/Kg	R19182
cis-1,2-Dichloroethene	SW8260B	4/8/2009	1.814	500	762	ND	µg/Kg	R19182
cis-1,3-Dichloropropene	SW8260B	4/8/2009	1	500	420	ND	µg/Kg	R19182
Dibromochloromethane	SW8260B	4/8/2009	1.198	500	503	ND	µg/Kg	R19182
Dichlorodifluoromethane	SW8260B	4/8/2009	10	500	4200	ND	µg/Kg	R19182
Freon-113	SW8260B	4/8/2009	1.616	500	679	ND	µg/Kg	R19182
Methylene chloride	SW8260B	4/8/2009	1.434	500	602	ND	µg/Kg	R19182
Tetrachloroethene	SW8260B	4/8/2009	1.513	500	635	ND	µg/Kg	R19182
trans-1,2-Dichloroethene	SW8260B	4/8/2009	1.751	500	735	ND	µg/Kg	R19182
trans-1,3-Dichloropropene	SW8260B	4/8/2009	1.462	500	614	ND	µg/Kg	R19182
Trichloroethene	SW8260B	4/8/2009	1.44	500	605	ND	µg/Kg	R19182
Trichlorofluoromethane	SW8260B	4/8/2009	1.741	500	731	ND	µg/Kg	R19182
Vinyl chloride	SW8260B	4/8/2009	1.757	500	738	ND	µg/Kg	R19182
Surr: 4-Bromofluorobenzene	SW8260B	4/8/2009	1.589	500	55.8-141	103	%REC	R19182
Surr: Dibromofluoromethane	SW8260B	4/8/2009	1.312	500	59.8-148	82.2	%REC	R19182
Surr: Toluene-d8	SW8260B	4/8/2009	1.633	500	55.2-133	78.9	%REC	R19182

Note: Results reported to the MDL. Due to the significant amount of the heavy end compounds supressing the internal standard signal used for qauntitation, sample was analyzed with appropriate dilution.

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Kyle Flory
PES Environmental, Inc

Date Received: 4/8/2009
Date Reported: 4/9/2009

Client Sample ID: SW-E-3.0
Sample Location: 4600-4700 Coliseum Wy,Oaklan
Sample Matrix: SOIL
Date/Time Sampled 4/8/2009 2:40:00 PM

Lab Sample ID: 0904048-003
Date Prepared: 4/8/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1-Trichloroethane	SW8260B	4/8/2009	10	1	8.30	23.2	µg/Kg	R19181
1,1,2,2-Tetrachloroethane	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
1,1,2-Trichloroethane	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
1,1-Dichloroethane	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
1,1-Dichloroethene	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
1,1-Dichloropropene	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
1,2-Dichlorobenzene	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
1,2-Dichloroethane (EDC)	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
1,2-Dichloropropane	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
1,3-Dichlorobenzene	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
1,4-Dichlorobenzene	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
2-Chloroethyl vinyl ether	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Bromodichloromethane	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Bromoform	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Bromomethane	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Carbon tetrachloride	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Chlorobenzene	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Chloroethane	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Chloroform	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Chloromethane	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
cis-1,2-Dichloroethene	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
cis-1,3-Dichloropropene	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Dibromochloromethane	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Dichlorodifluoromethane	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Freon-113	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Methylene chloride	SW8260B	4/8/2009	50	1	41.5	ND	µg/Kg	R19181
Tetrachloroethene	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
trans-1,2-Dichloroethene	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
trans-1,3-Dichloropropene	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Trichloroethene	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Trichlorofluoromethane	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Vinyl chloride	SW8260B	4/8/2009	10	1	8.30	ND	µg/Kg	R19181
Surr: 4-Bromofluorobenzene	SW8260B	4/8/2009	0	1	55.8-141	77.7	%REC	R19181
Surr: Dibromofluoromethane	SW8260B	4/8/2009	0	1	59.8-148	77.1	%REC	R19181
Surr: Toluene-d8	SW8260B	4/8/2009	0	1	55.2-133	79.4	%REC	R19181

Note: MRL (Modified Reporting Limit) has been corrected for actual mass removed from Encore containers.

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Kyle Flory
PES Environmental, Inc

Date Received: 4/8/2009
Date Reported: 4/9/2009

Client Sample ID: SW-W-3.0
Sample Location: 4600-4700 Coliseum Wy,Oaklan
Sample Matrix: SOIL
Date/Time Sampled 4/8/2009 2:50:00 PM

Lab Sample ID: 0904048-004
Date Prepared: 4/8/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1-Trichloroethane	SW8260B	4/8/2009	10	1	9.70	117	µg/Kg	R19181
1,1,2,2-Tetrachloroethane	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
1,1,2-Trichloroethane	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
1,1-Dichloroethane	SW8260B	4/8/2009	10	1	9.70	78.5	µg/Kg	R19181
1,1-Dichloroethene	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
1,1-Dichloropropene	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
1,2-Dichlorobenzene	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
1,2-Dichloroethane (EDC)	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
1,2-Dichloropropane	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
1,3-Dichlorobenzene	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
1,4-Dichlorobenzene	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
2-Chloroethyl vinyl ether	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Bromodichloromethane	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Bromoform	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Bromomethane	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Carbon tetrachloride	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Chlorobenzene	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Chloroethane	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Chloroform	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Chloromethane	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
cis-1,2-Dichloroethene	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
cis-1,3-Dichloropropene	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Dibromochloromethane	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Dichlorodifluoromethane	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Freon-113	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Methylene chloride	SW8260B	4/8/2009	50	1	48.5	ND	µg/Kg	R19181
Tetrachloroethene	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
trans-1,2-Dichloroethene	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
trans-1,3-Dichloropropene	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Trichloroethene	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Trichlorofluoromethane	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Vinyl chloride	SW8260B	4/8/2009	10	1	9.70	ND	µg/Kg	R19181
Surr: 4-Bromofluorobenzene	SW8260B	4/8/2009	0	1	55.8-141	101	%REC	R19181
Surr: Dibromofluoromethane	SW8260B	4/8/2009	0	1	59.8-148	97.0	%REC	R19181
Surr: Toluene-d8	SW8260B	4/8/2009	0	1	55.2-133	99.2	%REC	R19181

Note: MRL (Modified Reporting Limit) has been corrected for actual mass removed from Encore containers.

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Kyle Flory
PES Environmental, Inc

Date Received: 4/8/2009
Date Reported: 4/9/2009

Client Sample ID: BS-N-5.0
Sample Location: 4600-4700 Coliseum Wy,Oaklan
Sample Matrix: SOIL
Date/Time Sampled 4/8/2009 3:00:00 PM

Lab Sample ID: 0904048-005
Date Prepared: 4/8/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1-Trichloroethane	SW8260B	4/8/2009	10	1	9.80	32.4	µg/Kg	R19181
1,1,2,2-Tetrachloroethane	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
1,1,2-Trichloroethane	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
1,1-Dichloroethane	SW8260B	4/8/2009	10	1	9.80	24.4	µg/Kg	R19181
1,1-Dichloroethene	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
1,1-Dichloropropene	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
1,2-Dichlorobenzene	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
1,2-Dichloroethane (EDC)	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
1,2-Dichloropropane	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
1,3-Dichlorobenzene	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
1,4-Dichlorobenzene	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
2-Chloroethyl vinyl ether	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Bromodichloromethane	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Bromoform	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Bromomethane	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Carbon tetrachloride	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Chlorobenzene	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Chloroethane	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Chloroform	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Chloromethane	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
cis-1,2-Dichloroethene	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
cis-1,3-Dichloropropene	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Dibromochloromethane	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Dichlorodifluoromethane	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Freon-113	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Methylene chloride	SW8260B	4/8/2009	50	1	49.0	ND	µg/Kg	R19181
Tetrachloroethene	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
trans-1,2-Dichloroethene	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
trans-1,3-Dichloropropene	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Trichloroethene	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Trichlorofluoromethane	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Vinyl chloride	SW8260B	4/8/2009	10	1	9.80	ND	µg/Kg	R19181
Surr: 4-Bromofluorobenzene	SW8260B	4/8/2009	0	1	55.8-141	119	%REC	R19181
Surr: Dibromofluoromethane	SW8260B	4/8/2009	0	1	59.8-148	113	%REC	R19181
Surr: Toluene-d8	SW8260B	4/8/2009	0	1	55.2-133	106	%REC	R19181

Note: MRL (Modified Reporting Limit) has been corrected for actual mass removed from Encore containers.

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Kyle Flory
PES Environmental, Inc

Date Received: 4/8/2009
Date Reported: 4/9/2009

Client Sample ID: BS-N-6.0
Sample Location: 4600-4700 Coliseum Wy,Oaklan
Sample Matrix: SOIL
Date/Time Sampled 4/8/2009 3:10:00 PM

Lab Sample ID: 0904048-006
Date Prepared: 4/8/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1-Trichloroethane	SW8260B	4/8/2009	10	1	8.40	143	µg/Kg	R19181
1,1,2,2-Tetrachloroethane	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
1,1,2-Trichloroethane	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
1,1-Dichloroethane	SW8260B	4/8/2009	10	1	8.40	105	µg/Kg	R19181
1,1-Dichloroethene	SW8260B	4/8/2009	10	1	8.40	20.3	µg/Kg	R19181
1,1-Dichloropropene	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
1,2-Dichlorobenzene	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
1,2-Dichloroethane (EDC)	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
1,2-Dichloropropane	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
1,3-Dichlorobenzene	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
1,4-Dichlorobenzene	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
2-Chloroethyl vinyl ether	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Bromodichloromethane	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Bromoform	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Bromomethane	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Carbon tetrachloride	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Chlorobenzene	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Chloroethane	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Chloroform	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Chloromethane	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
cis-1,2-Dichloroethene	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
cis-1,3-Dichloropropene	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Dibromochloromethane	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Dichlorodifluoromethane	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Freon-113	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Methylene chloride	SW8260B	4/8/2009	50	1	42.0	ND	µg/Kg	R19181
Tetrachloroethene	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
trans-1,2-Dichloroethene	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
trans-1,3-Dichloropropene	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Trichloroethene	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Trichlorofluoromethane	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Vinyl chloride	SW8260B	4/8/2009	10	1	8.40	ND	µg/Kg	R19181
Surr: 4-Bromofluorobenzene	SW8260B	4/8/2009	0	1	55.8-141	92.0	%REC	R19181
Surr: Dibromofluoromethane	SW8260B	4/8/2009	0	1	59.8-148	83.4	%REC	R19181
Surr: Toluene-d8	SW8260B	4/8/2009	0	1	55.2-133	81.1	%REC	R19181

Note: MRL (Modified Reporting Limit) has been corrected for actual mass removed from Encore containers.

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Kyle Flory
PES Environmental, Inc

Date Received: 4/8/2009
Date Reported: 4/9/2009

Client Sample ID: BS-S-5-0
Sample Location: 4600-4700 Coliseum Wy,Oaklan
Sample Matrix: SOIL
Date/Time Sampled 4/8/2009 3:20:00 PM

Lab Sample ID: 0904048-007
Date Prepared: 4/8/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1-Trichloroethane	SW8260B	4/8/2009	10	1	8.80	20.8	µg/Kg	R19181
1,1,2,2-Tetrachloroethane	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
1,1,2-Trichloroethane	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
1,1-Dichloroethane	SW8260B	4/8/2009	10	1	8.80	12.2	µg/Kg	R19181
1,1-Dichloroethene	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
1,1-Dichloropropene	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
1,2-Dichlorobenzene	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
1,2-Dichloroethane (EDC)	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
1,2-Dichloropropane	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
1,3-Dichlorobenzene	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
1,4-Dichlorobenzene	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
2-Chloroethyl vinyl ether	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Bromodichloromethane	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Bromoform	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Bromomethane	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Carbon tetrachloride	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Chlorobenzene	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Chloroethane	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Chloroform	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Chloromethane	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
cis-1,2-Dichloroethene	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
cis-1,3-Dichloropropene	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Dibromochloromethane	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Dichlorodifluoromethane	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Freon-113	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Methylene chloride	SW8260B	4/8/2009	50	1	44.0	ND	µg/Kg	R19181
Tetrachloroethene	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
trans-1,2-Dichloroethene	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
trans-1,3-Dichloropropene	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Trichloroethene	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Trichlorofluoromethane	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Vinyl chloride	SW8260B	4/8/2009	10	1	8.80	ND	µg/Kg	R19181
Surr: 4-Bromofluorobenzene	SW8260B	4/8/2009	0	1	55.8-141	101	%REC	R19181
Surr: Dibromofluoromethane	SW8260B	4/8/2009	0	1	59.8-148	92.0	%REC	R19181
Surr: Toluene-d8	SW8260B	4/8/2009	0	1	55.2-133	86.5	%REC	R19181

Note: MRL (Modified Reporting Limit) has been corrected for actual mass removed from Encore containers.

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Kyle Flory
PES Environmental, Inc

Date Received: 4/8/2009
Date Reported: 4/9/2009

Client Sample ID: BS-S-6.0
Sample Location: 4600-4700 Coliseum Wy,Oaklan
Sample Matrix: SOIL
Date/Time Sampled 4/8/2009 3:30:00 PM

Lab Sample ID: 0904048-008
Date Prepared: 4/9/2009

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1,1-Trichloroethane	SW8260B	4/9/2009	10	1	8.30	24.5	µg/Kg	R19181
1,1,2,2-Tetrachloroethane	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
1,1,2-Trichloroethane	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
1,1-Dichloroethane	SW8260B	4/9/2009	10	1	8.30	19.2	µg/Kg	R19181
1,1-Dichloroethene	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
1,1-Dichloropropene	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
1,2-Dichlorobenzene	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
1,2-Dichloroethane (EDC)	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
1,2-Dichloropropane	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
1,3-Dichlorobenzene	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
1,4-Dichlorobenzene	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
2-Chloroethyl vinyl ether	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Bromodichloromethane	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Bromoform	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Bromomethane	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Carbon tetrachloride	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Chlorobenzene	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Chloroethane	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Chloroform	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Chloromethane	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
cis-1,2-Dichloroethene	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
cis-1,3-Dichloropropene	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Dibromochloromethane	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Dichlorodifluoromethane	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Freon-113	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Methylene chloride	SW8260B	4/9/2009	50	1	41.5	ND	µg/Kg	R19181
Tetrachloroethene	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
trans-1,2-Dichloroethene	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
trans-1,3-Dichloropropene	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Trichloroethene	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Trichlorofluoromethane	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Vinyl chloride	SW8260B	4/9/2009	10	1	8.30	ND	µg/Kg	R19181
Surr: 4-Bromofluorobenzene	SW8260B	4/9/2009	0	1	55.8-141	96.6	%REC	R19181
Surr: Dibromofluoromethane	SW8260B	4/9/2009	0	1	59.8-148	80.8	%REC	R19181
Surr: Toluene-d8	SW8260B	4/9/2009	0	1	55.2-133	79.7	%REC	R19181

Note: MRL (Modified Reporting Limit) has been corrected for actual mass removed from Encore containers.

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Definitions, legends and Notes

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
a	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

CLIENT: PES Environmental, Inc
Work Order: 0904048
Project: 1148.001.03

ANALYTICAL QC SUMMARY REPORT

BatchID: R19181

Sample ID **MB_R19181**	SampType: **MBLK**	TestCode: **8010_S BY 8**	Units: **µg/Kg**	Prep Date: **4/8/2009**	RunNo: **19181**
Client ID: **ZZZZZ**	Batch ID: **R19181**	TestNo: **SW8260B**		Analysis Date: **4/8/2009**	SeqNo: **276975**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	10.0									
1,1,2,2-Tetrachloroethane	ND	10.0									
1,1,2-Trichloroethane	ND	10.0									
1,1-Dichloroethane	ND	10.0									
1,1-Dichloroethene	ND	10.0									
1,1-Dichloropropene	ND	10.0									
1,2-Dichlorobenzene	ND	10.0									
1,2-Dichloroethane (EDC)	ND	10.0									
1,2-Dichloropropane	ND	10.0									
1,3-Dichlorobenzene	ND	10.0									
1,4-Dichlorobenzene	ND	10.0									
2-Chloroethyl vinyl ether	ND	10.0									
Bromodichloromethane	ND	10.0									
Bromoform	ND	10.0									
Bromomethane	ND	10.0									
Carbon tetrachloride	ND	10.0									
Chlorobenzene	ND	10.0									
Chloroethane	ND	10.0									
Chloroform	ND	10.0									
Chloromethane	ND	10.0									
cis-1,2-Dichloroethene	ND	10.0									
cis-1,3-Dichloropropene	ND	10.0									
Dibromochloromethane	ND	10.0									
Dichlorodifluoromethane	ND	10.0									
Freon-113	ND	10.0									
Methylene chloride	ND	50.0									
Tetrachloroethene	ND	10.0									
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	10.0									
Trichloroethene	ND	10.0									

Qualifiers:
E Value above quantitation range
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

CLIENT: PES Environmental, Inc
Work Order: 0904048
Project: 1148.001.03

ANALYTICAL QC SUMMARY REPORT

BatchID: R19181

Sample ID **MB_R19181**	SampType: **MBLK**	TestCode: **8010_S BY 8**	Units: **µg/Kg**	Prep Date: **4/8/2009**	RunNo: **19181**
Client ID: **ZZZZZ**	Batch ID: **R19181**	TestNo: **SW8260B**		Analysis Date: **4/8/2009**	SeqNo: **276975**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	ND	10.0									
Vinyl chloride	ND	10.0									
Surr: 4-Bromofluorobenzene	50.62	0	50	0	101	55.8	141				
Surr: Dibromofluoromethane	54.45	0	50	0	109	59.8	148				
Surr: Toluene-d8	49.04	0	50	0	98.1	55.2	133				

Sample ID **LCS_R19181**	SampType: **LCS**	TestCode: **8010_S BY 8**	Units: **µg/Kg**	Prep Date: **4/8/2009**	RunNo: **19181**
Client ID: **ZZZZZ**	Batch ID: **R19181**	TestNo: **SW8260B**		Analysis Date: **4/8/2009**	SeqNo: **276976**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	50.92	10.0	50	0	102	53.7	139				
Chlorobenzene	49.47	10.0	50	0	98.9	57.5	150				
Trichloroethene	46.09	10.0	50	0	92.2	57.4	134				
Surr: 4-Bromofluorobenzene	46.64	0	50	0	93.3	55.8	141				
Surr: Dibromofluoromethane	52.91	0	50	0	106	59.8	148				
Surr: Toluene-d8	49.49	0	50	0	99.0	55.2	133				

Sample ID **LCSD_R19181**	SampType: **LCSD**	TestCode: **8010_S BY 8**	Units: **µg/Kg**	Prep Date: **4/8/2009**	RunNo: **19181**
Client ID: **ZZZZZ**	Batch ID: **R19181**	TestNo: **SW8260B**		Analysis Date: **4/8/2009**	SeqNo: **276977**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	58.88	10.0	50	0	118	53.7	139	50.92	14.5	30	
Chlorobenzene	47.65	10.0	50	0	95.3	57.5	150	49.47	3.75	30	
Trichloroethene	48.38	10.0	50	0	96.8	57.4	134	46.09	4.85	30	
Surr: 4-Bromofluorobenzene	47.90	0	50	0	95.8	55.8	141	0	0	0	
Surr: Dibromofluoromethane	59.52	0	50	0	119	59.8	148	0	0	0	
Surr: Toluene-d8	46.36	0	50	0	92.7	55.2	133	0	0	0	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: PES Environmental, Inc
Work Order: 0904048
Project: 1148.001.03

ANALYTICAL QC SUMMARY REPORT

BatchID: R19182

Sample ID **MB-R19182**	SampType: **MBLK**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date: **4/8/2009**	RunNo: **19182**
Client ID: **ZZZZZ**	Batch ID: **R19182**	TestNo: **SW8260B**		Analysis Date: **4/8/2009**	SeqNo: **276988**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	10									
1,1,2,2-Tetrachloroethane	ND	10									
1,1,2-Trichloroethane	ND	10									
1,1-Dichloroethane	ND	10									
1,1-Dichloroethene	ND	10									
1,1-Dichloropropene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,2-Dichloroethane (EDC)	ND	10									
1,2-Dichloropropane	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2-Chloroethyl vinyl ether	ND	10									
Bromodichloromethane	ND	10									
Bromoform	ND	10									
Bromomethane	ND	10									
Carbon tetrachloride	ND	10									
Chlorobenzene	ND	10									
Chloroform	ND	10									
Chloromethane	ND	10									
cis-1,2-Dichloroethene	ND	10									
cis-1,3-Dichloropropene	ND	10									
Dibromochloromethane	ND	10									
Dichlorodifluoromethane	ND	10									
Freon-113	ND	10									
Methylene chloride	ND	50									
Tetrachloroethene	ND	10									
trans-1,2-Dichloroethene	ND	10									
trans-1,3-Dichloropropene	ND	10									
Trichloroethene	ND	10									
Trichlorofluoromethane	ND	10									
Vinyl chloride	ND	10									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: PES Environmental, Inc
Work Order: 0904048
Project: 1148.001.03

ANALYTICAL QC SUMMARY REPORT

BatchID: R19182

Sample ID **MB-R19182**	SampType: **MBLK**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date: **4/8/2009**	RunNo: **19182**
Client ID: **ZZZZZ**	Batch ID: **R19182**	TestNo: **SW8260B**		Analysis Date: **4/8/2009**	SeqNo: **276988**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	47.35	0	50	0	94.7	55.8	141				
Surr: Dibromofluoromethane	58.37	0	50	0	117	59.8	148				
Surr: Toluene-d8	42.93	0	50	0	85.9	55.2	133				

Sample ID **LCS-R19182**	SampType: **LCS**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date: **4/8/2009**	RunNo: **19182**
Client ID: **ZZZZZ**	Batch ID: **R19182**	TestNo: **SW8260B**		Analysis Date: **4/8/2009**	SeqNo: **276989**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	54.71	10	50	0	109	53.7	139				
Chlorobenzene	51.61	10	50	0	103	57.5	150				
Trichloroethene	50.80	10	50	0	102	57.4	134				
Surr: 4-Bromofluorobenzene	47.11	0	50	0	94.2	55.8	141				
Surr: Dibromofluoromethane	57.99	0	50	0	116	59.8	148				
Surr: Toluene-d8	42.84	0	50	0	85.7	55.2	133				

Sample ID **LCSD-R19182**	SampType: **LCSD**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date: **4/8/2009**	RunNo: **19182**
Client ID: **ZZZZZ**	Batch ID: **R19182**	TestNo: **SW8260B**		Analysis Date: **4/8/2009**	SeqNo: **276990**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	54.81	10	50	0	110	53.7	139	54.71	0.183	30	
Chlorobenzene	49.18	10	50	0	98.4	57.5	150	51.61	4.82	30	
Trichloroethene	49.46	10	50	0	98.9	57.4	134	50.8	2.67	30	
Surr: 4-Bromofluorobenzene	46.49	0	50	0	93.0	55.8	141	0	0	0	
Surr: Dibromofluoromethane	59.19	0	50	0	118	59.8	148	0	0	0	
Surr: Toluene-d8	42.16	0	50	0	84.3	55.2	133	0	0	0	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

PES Environmental, Inc.
Engineering & Environmental Services

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

CHAIN OF CUSTODY RECORD

0904048

LABORATORY: Torrent

SAMPLERS: CJB/LM

JOB NUMBER: 1148.001.03

NAME / LOCATION: 4600-4700 Coliseum Wy, Oakland

PROJECT MANAGER: KSF

RECORDER: CJB

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sedim't	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	ANALYSIS REQUESTED: EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)
09	04	08	1400	SW-N-3.0			X			3				-001A								X
			1430	SW-S-3.0			X			3				-002A								X
			1440	SW-E-3.0			X			3				-003A								X
			1450	SW-W-3.0			X			3				-004A								X
			1500	BS-N-5.0			X			3				-005A								X
			1510	BS-N-6.0			X			3				-006A								X
			1520	BS-S-5.0			X			3				-007A								X
			1530	BS-S-6.0			X			3				-008A								X

8010 by 8260B

RUSH

4°C Intact 4-8-09

NOTES

Turn Around Time: RUSH - Same day analysis

* report results by 4-9-09 @ 08:00 am

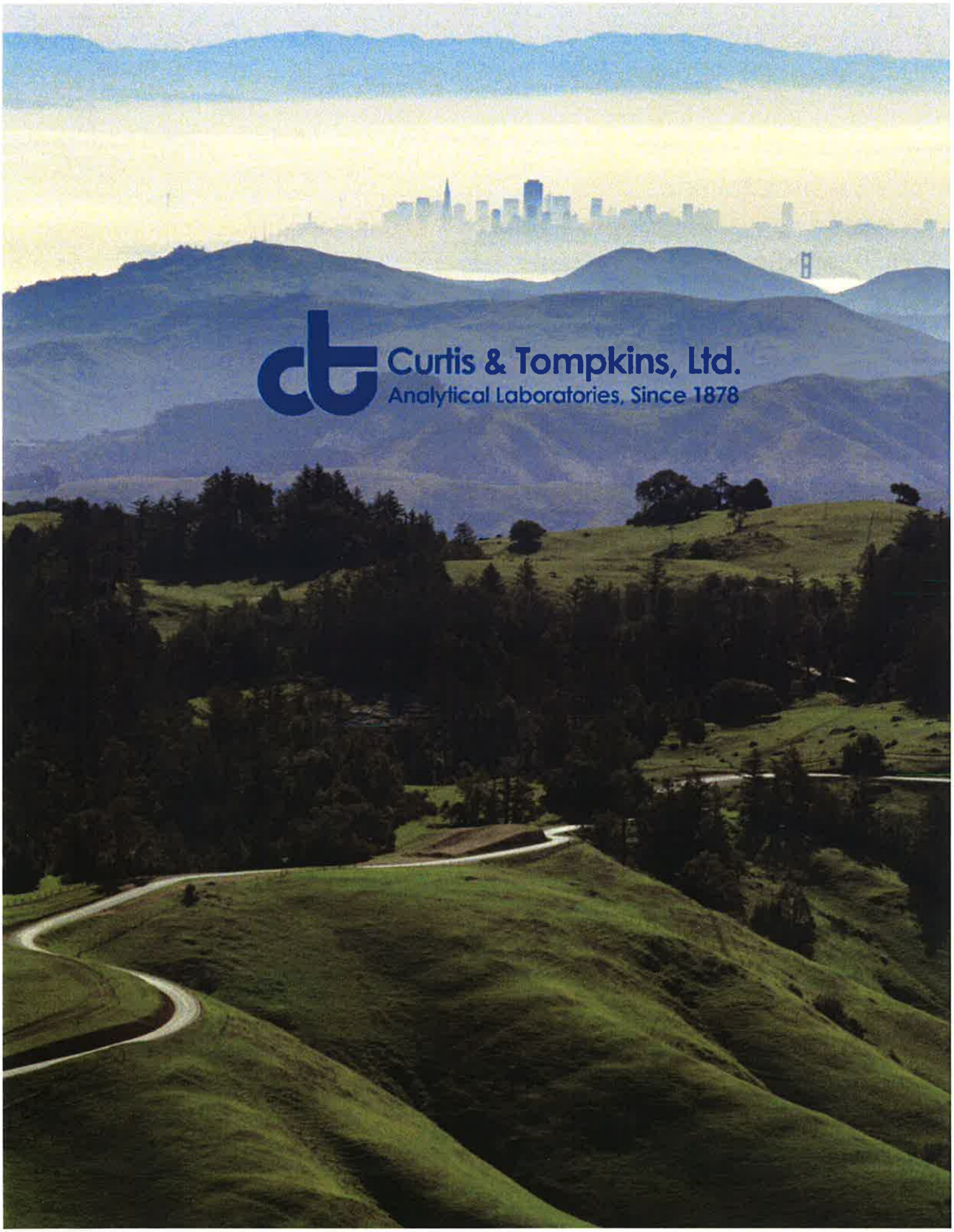
Please email report to: Kflory@pesenv.com
gthomas@pesenv.com

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	4-8-09	16:30
RELINQUISHED BY: (Signature) -4-8-09	RECEIVED BY: (Signature) Intact L.D. Intact	4.8.09	5:15
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:			

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

RESULTS FOR WASTE CHARACTERIZATION SAMPLES


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

Laboratory Job Number 211039
ANALYTICAL REPORT

PES Environmental, Inc.	Project : 1148.001.03.002
1682 Novato Boulevard	Location : 4700 Coliseum Way Site, Oakland
Novato, CA 94947	Level : II

Sample ID	Lab ID
COMP RED	211039-001

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 04/09/2009
Project Manager

Signature: _____ Date: 04/15/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**211039**
Client:	**PES Environmental, Inc.**
Project:	**1148.001.03.002**
Location:	**4700 Coliseum Way Site, Oakland**
Request Date:	**03/31/09**
Samples Received:	**03/27/09**

This data package contains sample and QC results for one soil sample, requested for the above referenced project on 03/31/09. The sample was received cold and intact.

Metals (EPA 6010B) TCLP Leachate:

Barium was detected above the RL in the method blank for batch 149563. It was detected at a level well below the TCLP threshold and is lab artifact from the TCLP filter. No other analytical problems were encountered.

Metals (EPA 6010B) WET Leachate:

Low recovery was observed for copper in the MSD for batch 149589; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits. No other analytical problems were encountered.

211039

Lisa Brooker

From: "Gary Thomas, P.G." <gthomas@pesenv.com>
To: "Lisa Brooker" <lisa@ctberk.com>
Cc: "Kyle S. Flory" <kflory@pesenv.com>; "Chris Baldassari" <cbaldassari@pesenv.com>
Sent: Tuesday, March 31, 2009 10:59 AM
Attach: 0650_001.pdf
Subject: Coliseum Way Site, Oakland - Additional Analyses on COMP-RED sample

Hi Lisa – As indicated on the attached chain of custody, we would like to run various STLC and TCLP analyses on COMP-RED sample. We would like to do the indicated analyses on 72-Hour TAT so please let me know if this is possible.

Thanks,
Gary

210988-044

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

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

LABORATORY: _____ SAMPLERS: _____

JOB NUMBER: _____

NAME / LOCATION: _____

PROJECT MANAGER: _____ RECORDER: _____

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX Vapor	Water	Soil	Sedim't	# of Containers & Preservatives Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	STLC/TCLP Barium	STLC/TCLP Chromium	STLC/TCLP Lead	STLC Copper	STLC Zinc
			12:20				X		1																		
			12:10				X		1																		
			12:05				X		1																		
			12:15				X		1																		
			12:25				X		1																		
			12:30				X		1																		
			12:40				X		1																		
			12:45				X		1																		
			12:50				X		1																		
			12:55				X		1																		
			13:00				X		1																		
			13:05				X		1																		
			13:10				X		1																		
			13:15				X		1																		
			13:20				X		1																		
			13:25				X		1																		
			13:30				X		1																		
			13:35				X		1																		
			13:40				X		1																		
			13:45				X		1																		
			13:50				X		1																		
			13:55				X		1																		
			14:00				X		1																		
			14:05				X		1																		
			14:10				X		1																		
			14:15				X		1																		
			14:20				X		1																		
			14:25				X		1																		
			14:30				X		1																		
			14:35				X		1																		
			14:40				X		1																		
			14:45				X		1																		
			14:50				X		1																		
			14:55				X		1																		
			15:00				X		1																		
			15:05				X		1																		
			15:10				X		1																		
			15:15				X		1																		
			15:20				X		1																		
			15:25				X		1																		
			15:30				X		1																		
			15:35				X		1																		
			15:40				X		1																		
			15:45				X		1																		
			15:50				X		1																		
			15:55				X		1																		
			16:00				X		1																		
			16:05				X		1																		
			16:10				X		1																		
			16:15				X		1																		
			16:20				X		1																		
			16:25				X		1																		
			16:30				X		1																		
			16:35				X		1																		
			16:40				X		1																		
			16:45				X		1																		
			16:50				X		1																		
			16:55				X		1																		
			17:00				X		1																		
			17:05				X		1																		
			17:10				X		1																		
			17:15				X		1																		
			17:20				X		1																		
			17:25				X		1																		
			17:30				X		1																		
			17:35				X		1																		
			17:40				X		1																		
			17:45				X		1																		
			17:50				X		1																		
			17:55				X		1																		
			18:00				X		1																		
			18:05				X		1																		
			18:10				X		1																		
			18:15				X		1																		
			18:20				X		1																		
			18:25				X		1																		
			18:30				X		1																		
			18:35				X		1																		
			18:40				X		1																		
			18:45				X		1																		
			18:50				X		1																		
			18:55				X		1																		
			19:00				X		1																		
			19:05				X		1																		
			19:10				X		1																		
			19:15				X		1																		
			19:20				X		1																		
			19:25				X		1																		
			19:30				X		1																		
			19:35				X		1																		
			19:40				X		1																		
			19:45				X		1																		
			19:50				X		1																		
			19:55				X		1																		
			20:00				X		1																		
			20:05				X		1																		
			20:10				X		1																		
			20:15				X		1																		
			20:20				X		1																		
			20:25				X		1																		
			20:30				X		1																		
			20:35				X		1																		
			20:40				X		1																		
			20:45				X		1																		
			20:50				X		1																		
			20:55				X		1																		
			21:00				X		1																		
			21:05				X		1																		
			21:10				X		1																		
			21:15				X		1																		
			21:20				X		1																		
			21:25				X		1																		
			21:30				X		1																		
			21:35				X		1																		
			21:40				X		1																		
			21:45				X		1																		
			21:50				X		1																		
			21:55				X		1																		
			22:00				X		1																		
			22:05				X		1																		
			22:10				X		1																		
			22:15				X		1																		
			22:20				X		1																		
			22:25				X		1																		
			22:30				X		1																		
			22:35				X		1																		
			22:40				X		1																		
			22:45				X		1																		
			22:50				X		1																		
			22:55				X		1																		
			23:00				X		1																		
			23:05				X		1																		
			23:10				X		1																		
			23:15				X		1																		
			23:20				X		1																		
			23:25				X		1																		
			23:30				X		1																		
			23:35				X		1																		
			23:40				X		1																		
			23:45				X		1																		
			23:50				X		1																		
			23:55				X		1																		
			24:00				X		1																		

72 Hour TAT

NOTES

Turn Around Time: 72 Hour TAT

Page ____ of ____

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT:

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

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

910988

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

LABORATORY: C&T

SAMPLERS: CJB + LM

JOB NUMBER: 1148.001.03.002

NAME / LOCATION: 4600-4700 Coliseum Way site / Oakland Ca

PROJECT MANAGER: Kyle Flory

RECORDER:

	DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sedim't	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET	ANALYSIS REQUESTED: EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	Lead (6010B)	Zinc (6010B)	Title 22 metals						
37	09	03	27	1205	B-24-0.5			X		1														X	X						
38				1210	B-24-2.0			X		1																	Hold				
39				1220	B-18-0.5			X		1																	Hold				
40				1225	B-18-2.5			X		1																	Hold				
41				1230	B-26-1.0			X		1														X	X						
42				1235	B-25-1.0			X		1														X	X						
~~43~~ 42a				CJB 1237	~~Composite 25-26-27~~			X		1														X	X						
43				1240	B-27-1.0			X		1														X	X						
				CJB 1245	~~Shelby Soil 0-0.5~~			X		1														X	X						
44				1245	COMP-RED			X		1																X						*

NOTES

Turn Around Time: 24-Hour TAT

Select portion of samples for analysis from top of soil tubes - indicated by RED end caps, or, as indicated on orange end caps

*Please retain unused portion of sample "COMP-RED" for 30 days (for potential additional analyses).

Page 4 of 4

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	3/27/07	1415
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: Dropped off at lab

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

5 of 12

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 210988 Date Received 3/27/09 Number of coolers 1
Client PES Environmental Project 4200-4700 Coliseum Way Site Oakland, CA
Date Opened 3/27/09 By (print) Shuang (sign) D. Le
Date Logged in By (print) (sign)

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
   Shipping info _____
2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☑ NO
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received? _____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☐ Bags ☑ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☐ Wet ☐ Blue/Gel ☑ None Temp(°C) _____

☐ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
11. Are sample labels present, in good condition and complete? _____ (YES) NO
12. Do the sample labels agree with custody papers? _____ (YES) NO
13. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
14. Are the samples appropriately preserved? _____ pH (YES) NO (N/A)
15. Are bubbles > 6mm absent in VOA samples? _____ YES NO (N/A)
16. Was the client contacted concerning this sample delivery? _____ YES NO
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____
_____
_____
_____
_____
_____
_____
_____

Curtis & Tompkins, Ltd.

Metals Analytical Report

Lab #:	211039	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3010A
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Field ID:	COMP RED	Sampled:	03/27/09
Matrix:	TCLP Leachate	Received:	03/27/09
Units:	ug/L	Prepared:	04/02/09
Diln Fac:	10.00	Analyzed:	04/02/09
Batch#:	149563		

Type: SAMPLE Lab ID: 211039-001

Analyte	Result	RL
Barium	1,400 b	50
Chromium	160	50
Lead	61	30

Type: BLANK Lab ID: QC490148

Analyte	Result	RL
Barium	170 b	50
Chromium	ND	50
Lead	ND	30

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

Curtis & Tompkins, Ltd.

Batch QC Report

Metals Analytical Report

Lab #:	211039	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3010A
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Matrix:	TCLP Leachate	Batch#:	149563
Units:	ug/L	Prepared:	04/02/09
Diln Fac:	1.000	Analyzed:	04/02/09

Type: BS Lab ID: QC490149

Analyte	Spiked	Result	%REC	Limits
Barium	2,000	2,236	112	80-120
Chromium	2,000	2,162	108	80-120
Lead	2,000	2,233	112	80-120

Type: BSD Lab ID: QC490150

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Barium	2,000	2,245	112	80-120	0	20
Chromium	2,000	2,168	108	80-120	0	20
Lead	2,000	2,247	112	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Metals Analytical Report

Lab #:	211039	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3010A
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	149563
MSS Lab ID:	211048-001	Sampled:	03/24/09
Matrix:	TCLP Leachate	Received:	03/25/09
Units:	ug/L	Prepared:	04/02/09
Diln Fac:	10.00	Analyzed:	04/02/09

Type: MS Lab ID: QC490151

Analyte	MSS Result	Spiked	Result	%REC	Limits
Barium	876.9	2,000	2,936	103	76-120
Chromium	77.69	2,000	2,118	102	76-120
Lead	109.5	2,000	2,186	104	68-120

Type: MSD Lab ID: QC490152

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Barium	2,000	2,874	100	76-120	2	20
Chromium	2,000	2,061	99	76-120	3	20
Lead	2,000	2,119	100	68-120	3	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Metals Analytical Report

Lab #:	211039	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	WET
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Field ID:	COMP RED	Sampled:	03/27/09
Matrix:	WET Leachate	Received:	03/27/09
Units:	ug/L	Prepared:	04/03/09
Diln Fac:	10.00	Analyzed:	04/03/09
Batch#:	149589		

Type: SAMPLE Lab ID: 211039-001

Analyte	Result	RL
Barium	9,700	250
Chromium	32,000	250
Copper	1,800	250
Lead	28,000	150
Zinc	440,000	1,000

Type: BLANK Lab ID: QC490247

Analyte	Result	RL
Barium	ND	250
Chromium	ND	250
Copper	ND	250
Lead	ND	150
Zinc	ND	1,000

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Metals Analytical Report

Lab #:	211039	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	WET
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Matrix:	WET Leachate	Batch#:	149589
Units:	ug/L	Prepared:	04/03/09
Diln Fac:	1.000	Analyzed:	04/03/09

Type: BS Lab ID: QC490248

Analyte	Spiked	Result	%REC	Limits
Barium	2,000	1,915	96	80-120
Chromium	2,000	1,903	95	80-120
Copper	250.0	232.8	93	80-120
Lead	2,000	1,878	94	80-120
Zinc	500.0	471.2	94	80-120

Type: BSD Lab ID: QC490249

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Barium	2,000	1,989	99	80-120	4	20
Chromium	2,000	1,975	99	80-120	4	20
Copper	250.0	242.3	97	80-120	4	20
Lead	2,000	1,953	98	80-120	4	20
Zinc	500.0	489.6	98	80-120	4	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Metals Analytical Report

Lab #:	211039	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	WET
Project#:	1148.001.03.002	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	149589
MSS Lab ID:	211004-001	Sampled:	03/17/09
Matrix:	WET Leachate	Received:	03/18/09
Units:	ug/L	Prepared:	04/03/09
Diln Fac:	10.00	Analyzed:	04/03/09

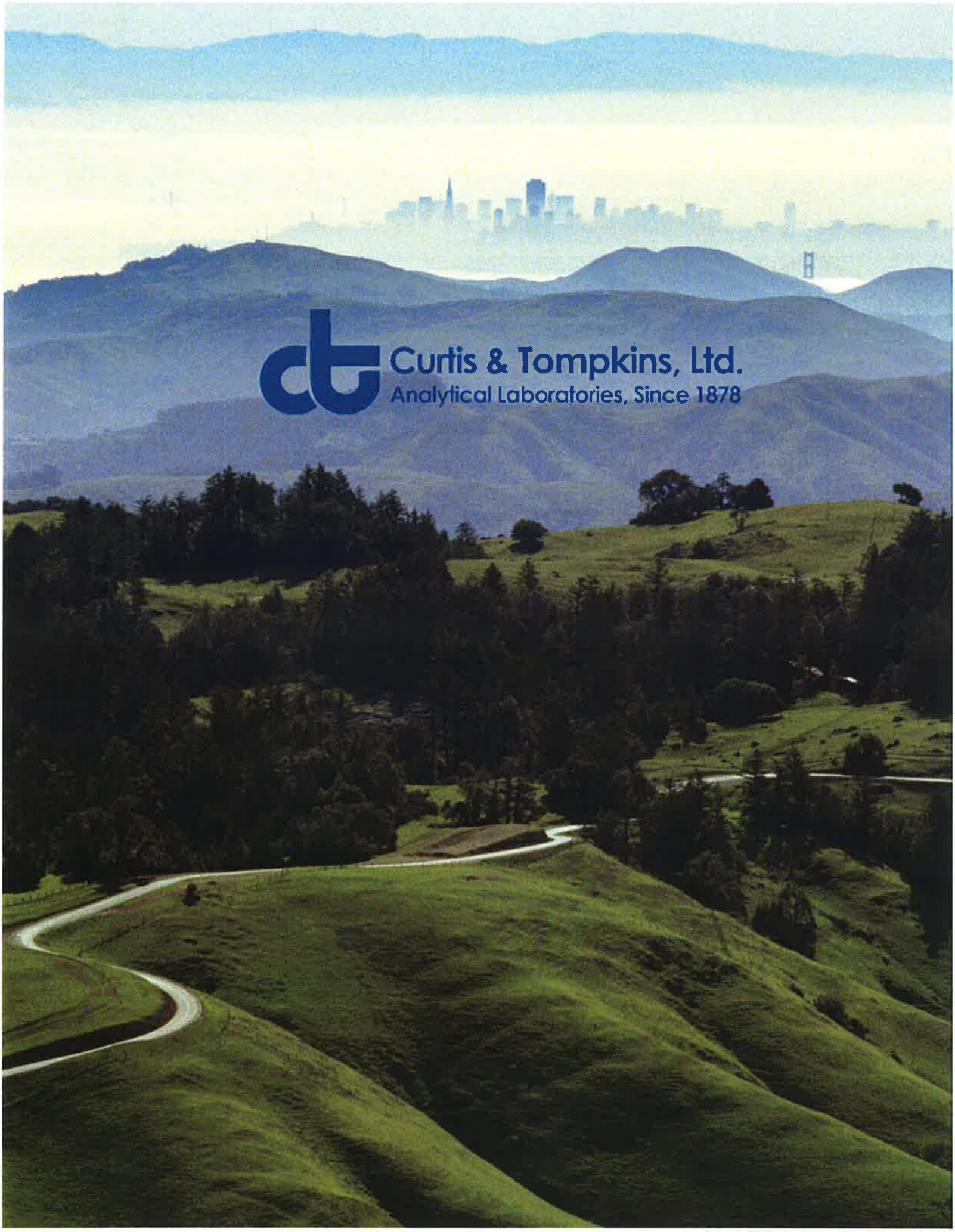
Type: MS Lab ID: QC490250

Analyte	MSS Result	Spiked	Result	%REC	Limits
Barium	153.4	10,000	9,441	93	76-120
Chromium	562.6	10,000	9,887	93	76-120
Copper	4,908	1,250	5,846	75	73-120
Lead	<42.66	10,000	9,297	93	68-120
Zinc	494.9	2,500	2,855	94	73-121

Type: MSD Lab ID: QC490251

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Barium	10,000	9,472	93	76-120	0	20
Chromium	10,000	9,781	92	76-120	1	20
Copper	1,250	5,650	59 *	73-120	3	20
Lead	10,000	9,299	93	68-120	0	20
Zinc	2,500	2,811	93	73-121	2	20

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


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

Laboratory Job Number 211344
ANALYTICAL REPORT

PES Environmental, Inc.	Project : 1148.001.03
1682 Novato Boulevard	Location : 4700 Coliseum Way Site, Oakland
Novato, CA 94947	Level : II

Sample ID	Lab ID
STOCK-1	211344-001
STOCK-2	211344-002
STOCK-3	211344-003
STOCK-4	211344-004
TANK FLUID	211344-005
B-41-0	211344-006
B-42-0	211344-007
B-43-0	211344-008
STOCK-1,2,3,4 COMPOSITE	211344-009

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 04/22/2009
Project Manager

Signature: _____ Date: 04/24/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**211344**
Client:	**PES Environmental, Inc.**
Project:	**1148.001.03**
Location:	**4700 Coliseum Way Site, Oakland**
Request Date:	**04/10/09**
Samples Received:	**04/10/09**

This data package contains sample and QC results for four soil samples and one water sample, requested for the above referenced project on 04/10/09. The samples were received cold and intact.

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

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Water:
Hexachlorobutadiene was detected above the RL in the method blank for batch 149923; this analyte was not detected in the sample at or above the RL. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):
Low recoveries were observed for chromium, molybdenum, and nickel in the MS/MSD for batch 149860; the parent sample was not a project sample, and the BS/BSD were within limits. High RPD was observed for antimony; the RPD was acceptable in the BS/BSD, and this analyte was not detected at or above the RL in the associated sample. No other analytical problems were encountered.

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

211344

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

LABORATORY: Curtis & Tompkins
JOB NUMBER: 1148.001.03
NAME / LOCATION: 4700 Coliseum Wy, Oakland
PROJECT MANAGER: KSF

SAMPLERS: CJB/LM
RECORDER: CJB/LM

	DATE				SAMPLE NUMBER / DESIGNATION	MATRIX					# of Containers & Preservatives										DEPTH IN FEET				ANALYSIS REQUESTED												
	YR	MO	DY	TIME		Vapor	Water	Soil	Sedim't		Unpres.	EnCore	H_2SO_4	HNO_3	HCl										EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	VOCs by 8260B	Title 22 metals	Fuel Scan, purg. Hydrocarbons by 8015	Fuel Scan, extractable Hydrocarbons by 8015	Lead	Zinc				
1	09	04	10	1000	Stock-1			X			1																				X	X			X	X	
2				1005	Stock-2			X			1																					X	X			X	X	
3				1010	Stock-3			X			1																					X	X			X	X	
4				1015	Stock-4			X			1																					X	X			X	X	
5				1315	Tank Fluid		X				2				6																	X		X	X			X	
6				1350	B-41-0			X			1																									X	X	
7				1400	B-42-0			X			1																									X	X	
8				1410	B-43-0			X			1																									X	X	

* NOTE:
*****

NOTES

Turn Around Time: 48-hour TAT

* Please composite samples Stock-1 through Stock-4 and analyze as a single composite - do not run discretes.

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature) Cynthia Mast	RECEIVED BY: (Signature) Linus Kat	4-10-09	1430
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:			

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

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 211344 Date Received 4/10/09 Number of coolers 1

Client PES Project 4700 Coliseum Way, Oakland

Date Opened 4/10/09 By (print) Phuong Le (sign) P Le

Date Logged in ___ By (print) ___ (sign) ___

1. Did cooler come with a shipping slip (airbill, etc) ___ YES (NO)
   Shipping info ___

2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☑ NO
   How many ___ Name ___ Date ___

2B. Were custody seals intact upon arrival? ___ YES NO (N/A)

3. Were custody papers dry and intact when received? ___ (YES) NO

4. Were custody papers filled out properly (ink, signed, etc)? ___ (YES) NO

5. Is the project identifiable from custody papers? (If so fill out top of form) ___ (YES) NO

6. Indicate the packing in cooler: (if other, describe) ___

☑ Bubble Wrap ☐ Foam blocks ☑ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C) ___

☑ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? ___ YES (NO)
   If YES, what time were they transferred to freezer? ___

9. Did all bottles arrive unbroken/unopened? ___ (YES) NO

10. Are samples in the appropriate containers for indicated tests? ___ (YES) NO

11. Are sample labels present, in good condition and complete? ___ (YES) NO

12. Do the sample labels agree with custody papers? ___ (YES) NO

13. Was sufficient amount of sample sent for tests requested? ___ (YES) NO

14. Are the samples appropriately preserved? ___ (YES) NO N/A

15. Are bubbles > 6mm absent in VOA samples? ___ (YES) NO N/A

16. Was the client contacted concerning this sample delivery? ___ YES NO
   If YES, Who was called? ___ By ___ Date: ___

COMMENTS

___

___

___

___

___

___

___

___

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8015B
Field ID:	TANK FLUID	Batch#:	149843
Matrix:	Water	Sampled:	04/10/09
Units:	ug/L	Received:	04/10/09
Diln Fac:	1.000		

Type: SAMPLE Analyzed: 04/11/09
Lab ID: 211344-005

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	89	63-146
Bromofluorobenzene (FID)	93	70-140

Type: BLANK Analyzed: 04/10/09
Lab ID: QC491322

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	63-146
Bromofluorobenzene (FID)	102	70-140

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC491323	Batch#:	149843
Matrix:	Water	Analyzed:	04/10/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,762	88	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	143	63-146
Bromofluorobenzene (FID)	110	70-140

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	149843
MSS Lab ID:	211295-001	Sampled:	04/07/09
Matrix:	Water	Received:	04/08/09
Units:	ug/L	Analyzed:	04/10/09
Diln Fac:	1.000		

Type: MS Lab ID: QC491324

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	517.4	2,000	2,232	86	66-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	137	63-146
Bromofluorobenzene (FID)	116	70-140

Type: MSD Lab ID: QC491325

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,306	89	66-120	3	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133	63-146
Bromofluorobenzene (FID)	114	70-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	1148.001.03	Analysis:	EPA 8015B
Field ID:	TANK FLUID	Sampled:	04/10/09
Matrix:	Water	Received:	04/10/09
Units:	ug/L	Prepared:	04/10/09
Diln Fac:	1.000	Analyzed:	04/14/09
Batch#:	149857		

Type: SAMPLE Lab ID: 211344-005

Analyte	Result	RL
Diesel C10-C24	1,500 Y	50
Motor Oil C24-C36	820	300

Surrogate	%REC	Limits
o-Terphenyl	106	61-127

Type: BLANK Lab ID: QC491373

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

Surrogate	%REC	Limits
o-Terphenyl	112	61-127

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	1148.001.03	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC491374	Batch#:	149857
Matrix:	Water	Prepared:	04/10/09
Units:	ug/L	Analyzed:	04/14/09

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,940	78	50-120

Surrogate	%REC	Limits
o-Terphenyl	93	61-127

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3520C
Project#:	1148.001.03	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	149857
MSS Lab ID:	211295-001	Sampled:	04/07/09
Matrix:	Water	Received:	04/08/09
Units:	ug/L	Prepared:	04/10/09
Diln Fac:	1.000	Analyzed:	04/20/09

Type: MS
Lab ID: QC491375

Cleanup Method: EPA 3630C

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	89.16	2,500	2,025	77	38-127

Surrogate	%REC	Limits
o-Terphenyl	75	61-127

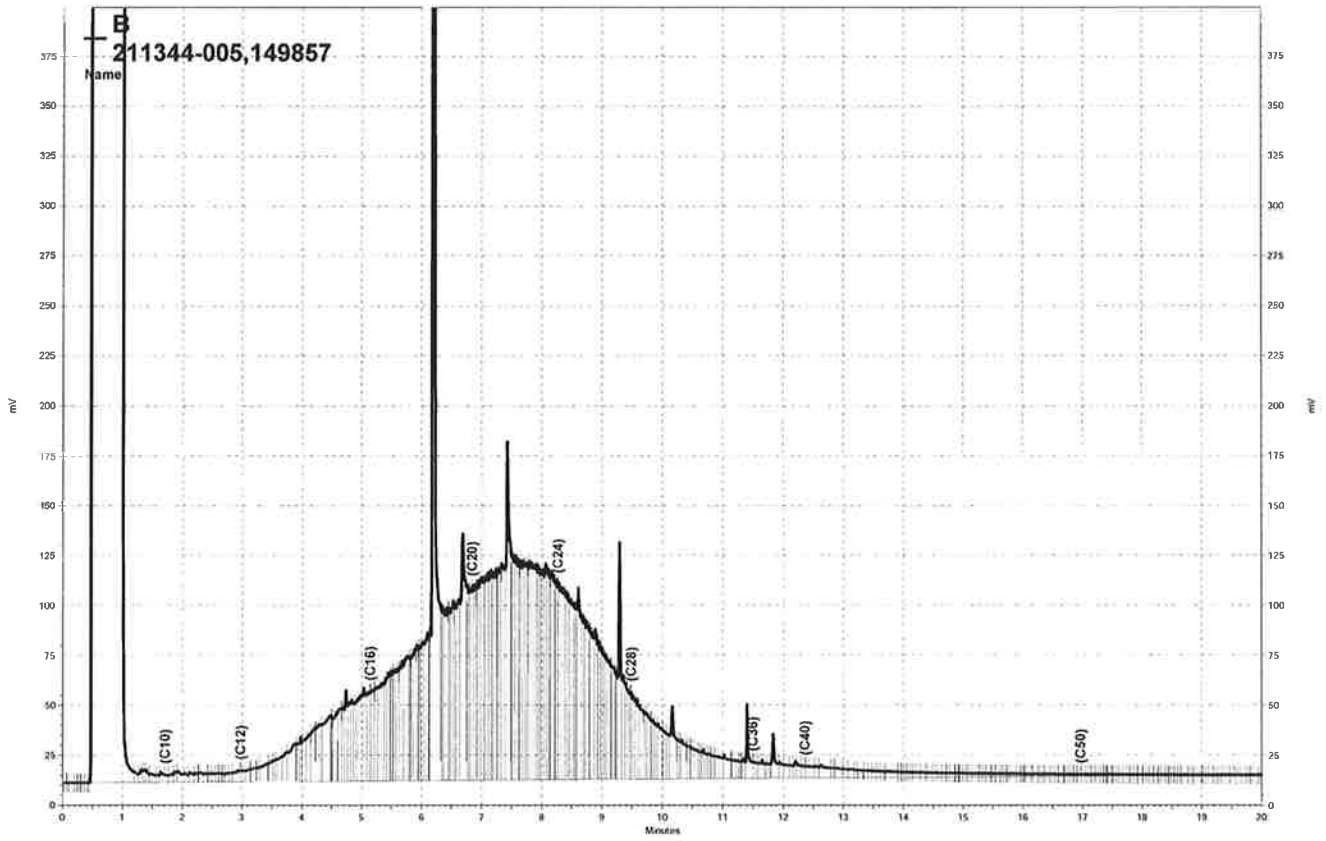
Type: MSD
Lab ID: QC491376

Cleanup Method: EPA 3630C

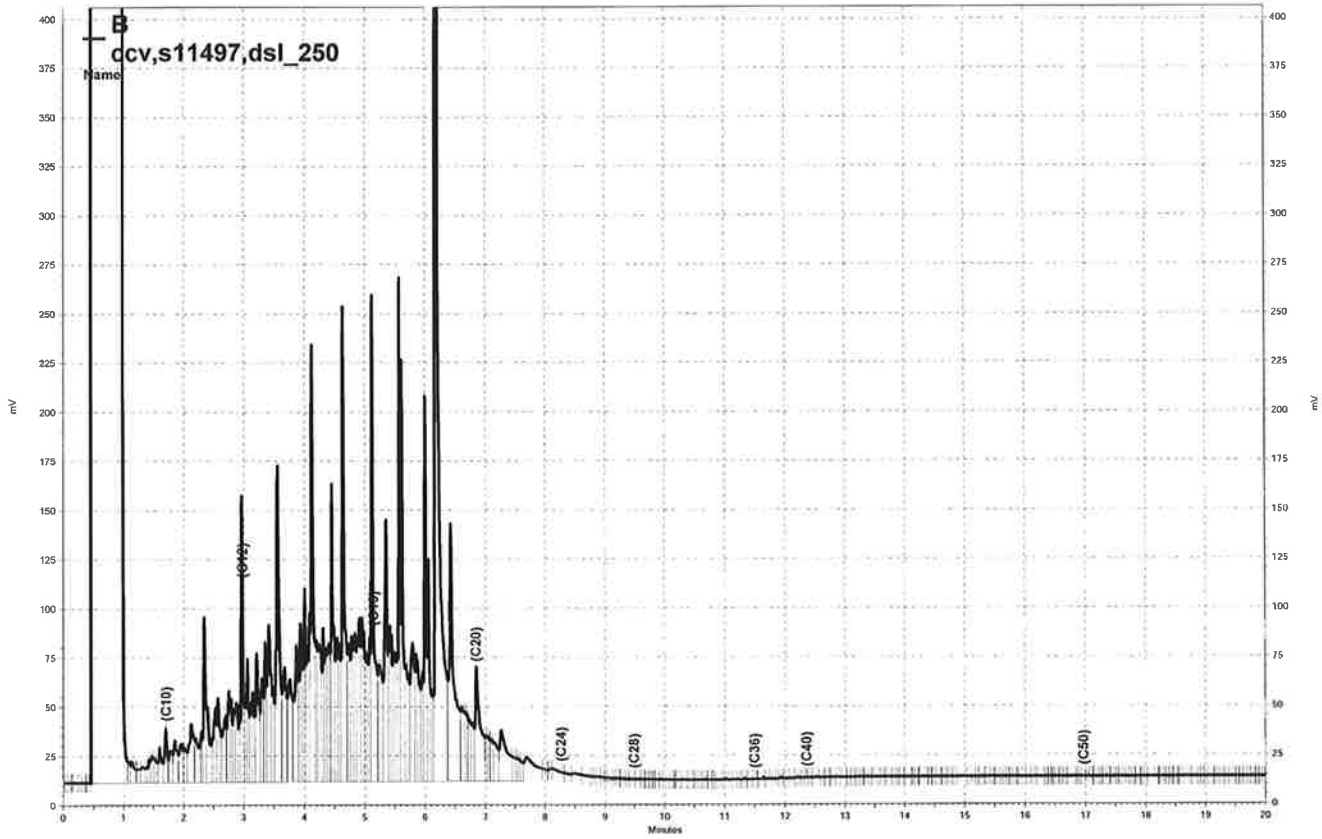
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,047	78	38-127	1	37

Surrogate	%REC	Limits
o-Terphenyl	81	61-127

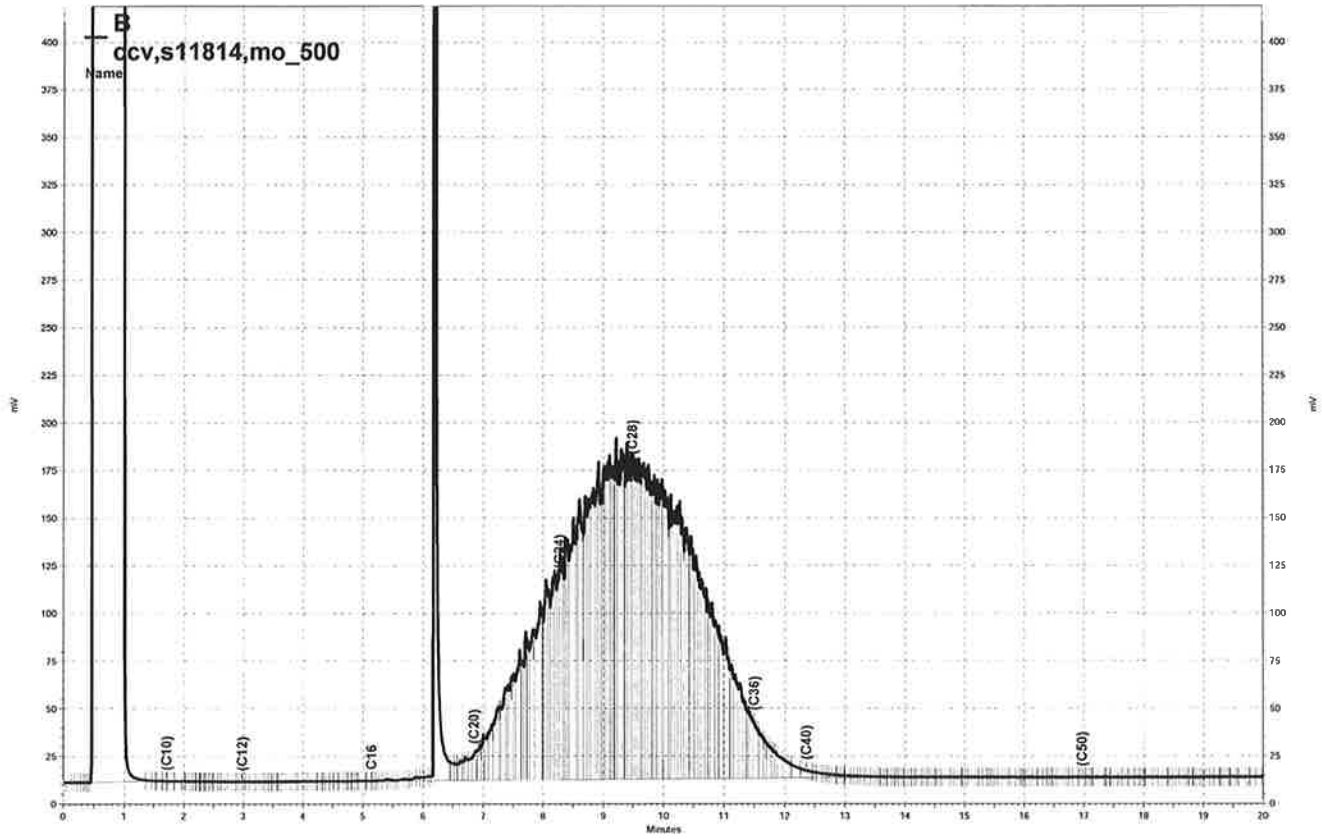
RPD= Relative Percent Difference



\\Lims\gdrive\ezchrom\Projects\GC14B\Data\103b050, B



\\Lims\gdrive\ezchrom\Projects\GC14B\Data\103b045, B



\\Lims\gdrive\ezchrom\Projects\GC14B\Data\103b046, B

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Field ID:	TANK FLUID	Batch#:	149923
Lab ID:	211344-005	Sampled:	04/10/09
Matrix:	Water	Received:	04/10/09
Units:	ug/L	Analyzed:	04/14/09
Diln Fac:	1.000		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Field ID:	TANK FLUID	Batch#:	149923
Lab ID:	211344-005	Sampled:	04/10/09
Matrix:	Water	Received:	04/10/09
Units:	ug/L	Analyzed:	04/14/09
Diln Fac:	1.000		

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

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	109	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	96	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC491642	Batch#:	149923
Matrix:	Water	Analyzed:	04/14/09
Units:	ug/L		

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

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

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC491642	Batch#:	149923
Matrix:	Water	Analyzed:	04/14/09
Units:	ug/L		

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

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-122
1,2-Dichloroethane-d4	110	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	96	80-125

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

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	149923
Units:	ug/L	Analyzed:	04/14/09
Diln Fac:	1.000		

Type: BS Lab ID: QC491640

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	20.00	18.82	94	74-132
Benzene	20.00	21.83	109	80-120
Trichloroethene	20.00	21.48	107	80-120
Toluene	20.00	21.87	109	80-120
Chlorobenzene	20.00	22.19	111	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	111	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	92	80-125

Type: BSD Lab ID: QC491641

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	20.00	16.69	83	74-132	12	20
Benzene	20.00	19.87	99	80-120	9	20
Trichloroethene	20.00	19.50	98	80-120	10	20
Toluene	20.00	20.07	100	80-120	9	20
Chlorobenzene	20.00	20.21	101	80-120	9	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-122
1,2-Dichloroethane-d4	109	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	93	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Field ID:	STOCK-1,2,3,4 COMPOSITE	Diln Fac:	0.8772
Lab ID:	211344-009	Batch#:	149831
Matrix:	Soil	Sampled:	04/10/09
Units:	ug/Kg	Received:	04/10/09
Basis:	as received	Analyzed:	04/10/09

Analyte	Result	RL
Freon 12	ND	8.8
Chloromethane	ND	8.8
Vinyl Chloride	ND	8.8
Bromomethane	ND	8.8
Chloroethane	ND	8.8
Trichlorofluoromethane	ND	4.4
Acetone	ND	8.8
Freon 113	ND	4.4
1,1-Dichloroethene	ND	4.4
Methylene Chloride	ND	18
Carbon Disulfide	ND	4.4
MTBE	ND	4.4
trans-1,2-Dichloroethene	ND	4.4
Vinyl Acetate	ND	44
1,1-Dichloroethane	ND	4.4
2-Butanone	ND	8.8
cis-1,2-Dichloroethene	ND	4.4
2,2-Dichloropropane	ND	4.4
Chloroform	ND	4.4
Bromochloromethane	ND	4.4
1,1,1-Trichloroethane	25	4.4
1,1-Dichloropropene	ND	4.4
Carbon Tetrachloride	ND	4.4
1,2-Dichloroethane	ND	4.4
Benzene	ND	4.4
Trichloroethene	ND	4.4
1,2-Dichloropropane	ND	4.4
Bromodichloromethane	ND	4.4
Dibromomethane	ND	4.4
4-Methyl-2-Pentanone	ND	8.8
cis-1,3-Dichloropropene	ND	4.4
Toluene	ND	4.4
trans-1,3-Dichloropropene	ND	4.4
1,1,2-Trichloroethane	ND	4.4
2-Hexanone	ND	8.8
1,3-Dichloropropane	ND	4.4
Tetrachloroethene	ND	4.4

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Field ID:	STOCK-1,2,3,4 COMPOSITE	Diln Fac:	0.8772
Lab ID:	211344-009	Batch#:	149831
Matrix:	Soil	Sampled:	04/10/09
Units:	ug/Kg	Received:	04/10/09
Basis:	as received	Analyzed:	04/10/09

Analyte	Result	RL
Dibromochloromethane	ND	4.4
1,2-Dibromoethane	ND	4.4
Chlorobenzene	ND	4.4
1,1,1,2-Tetrachloroethane	ND	4.4
Ethylbenzene	ND	4.4
m,p-Xylenes	ND	4.4
o-Xylene	ND	4.4
Styrene	ND	4.4
Bromoform	ND	4.4
Isopropylbenzene	4.8	4.4
1,1,2,2-Tetrachloroethane	ND	4.4
1,2,3-Trichloropropane	ND	4.4
Propylbenzene	11	4.4
Bromobenzene	ND	4.4
1,3,5-Trimethylbenzene	ND	4.4
2-Chlorotoluene	ND	4.4
4-Chlorotoluene	ND	4.4
tert-Butylbenzene	ND	4.4
1,2,4-Trimethylbenzene	9.9	4.4
sec-Butylbenzene	11	4.4
para-Isopropyl Toluene	ND	4.4
1,3-Dichlorobenzene	ND	4.4
1,4-Dichlorobenzene	ND	4.4
n-Butylbenzene	13	4.4
1,2-Dichlorobenzene	ND	4.4
1,2-Dibromo-3-Chloropropane	ND	4.4
1,2,4-Trichlorobenzene	ND	4.4
Hexachlorobutadiene	ND	4.4
Naphthalene	6.4	4.4
1,2,3-Trichlorobenzene	ND	4.4

Surrogate	%REC	Limits
Dibromofluoromethane	85	71-128
1,2-Dichloroethane-d4	100	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	127	77-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC491267	Diln Fac:	1.000
Matrix:	Soil	Batch#:	149831
Units:	ug/Kg	Analyzed:	04/10/09

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	10
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC491267	Diln Fac:	1.000
Matrix:	Soil	Batch#:	149831
Units:	ug/Kg	Analyzed:	04/10/09

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	87	71-128
1,2-Dichloroethane-d4	101	69-135
Toluene-d8	104	80-120
Bromofluorobenzene	88	77-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Matrix:	Soil	Diln Fac:	1.000
Units:	ug/Kg	Batch#:	149831
Basis:	as received	Analyzed:	04/10/09

Type: BS Lab ID: QC491268

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	23.10	92	73-135
Benzene	25.00	25.90	104	80-125
Trichloroethene	25.00	27.03	108	80-127
Toluene	25.00	26.21	105	80-126
Chlorobenzene	25.00	27.84	111	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	92	71-128
1,2-Dichloroethane-d4	99	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	90	77-131

Type: BSD Lab ID: QC491269

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	21.16	85	73-135	9	20
Benzene	25.00	25.75	103	80-125	1	20
Trichloroethene	25.00	26.79	107	80-127	1	20
Toluene	25.00	24.90	100	80-126	5	20
Chlorobenzene	25.00	27.67	111	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	95	71-128
1,2-Dichloroethane-d4	102	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	88	77-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 5030B
Project#:	1148.001.03	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9901
MSS Lab ID:	211320-001	Batch#:	149831
Matrix:	Soil	Sampled:	04/08/09
Units:	ug/Kg	Received:	04/09/09
Basis:	as received	Analyzed:	04/10/09

Type: MS Lab ID: QC491364

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.9901	49.50	43.71	88	58-145
Benzene	<0.9901	49.50	46.16	93	56-126
Trichloroethene	<0.9901	49.50	48.96	99	50-142
Toluene	<0.9901	49.50	44.30	89	52-125
Chlorobenzene	<0.9901	49.50	49.84	101	46-120

Surrogate	%REC	Limits
Dibromofluoromethane	88	71-128
1,2-Dichloroethane-d4	88	69-135
Toluene-d8	94	80-120
Bromofluorobenzene	89	77-131

Type: MSD Lab ID: QC491365

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	49.50	41.56	84	58-145	5	28
Benzene	49.50	44.68	90	56-126	3	26
Trichloroethene	49.50	48.43	98	50-142	1	29
Toluene	49.50	44.32	90	52-125	0	29
Chlorobenzene	49.50	46.29	94	46-120	7	29

Surrogate	%REC	Limits
Dibromofluoromethane	87	71-128
1,2-Dichloroethane-d4	89	69-135
Toluene-d8	96	80-120
Bromofluorobenzene	86	77-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Lead

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Lead	Batch#:	149860
Matrix:	Soil	Sampled:	04/10/09
Units:	mg/Kg	Received:	04/10/09
Basis:	as received	Prepared:	04/10/09

Field ID	Type	Lab ID	Result	RL	Diln Fac	Analyzed
B-41-0	SAMPLE	211344-006	1,900	1.3	10.00	04/13/09
B-42-0	SAMPLE	211344-007	410	0.25	1.000	04/11/09
B-43-0	SAMPLE	211344-008	200	0.25	1.000	04/11/09
	BLANK	QC491383	ND	0.25	1.000	04/11/09

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Lead

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Lead	Basis:	as received
Field ID:	ZZZZZZZZZZ	Batch#:	149860
MSS Lab ID:	211344-006	Sampled:	04/10/09
Matrix:	Soil	Received:	04/10/09
Units:	mg/Kg	Prepared:	04/10/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Diln Fac	Analyzed
BS	QC491384		100.0	95.20	95	80-120			1.000	04/11/09
BSD	QC491385		100.0	95.30	95	80-120	0	20	1.000	04/11/09
MS	QC491386	1,908	93.46	684.3	-1310 NM	49-124			10.00	04/13/09
MSD	QC491387		90.91	663.0	-1370 NM	49-124	3	31	10.00	04/13/09

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

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	211344	Project#:	1148.001.03
Client:	PES Environmental, Inc.	Location:	4700 Coliseum Way Site, Oakland
Field ID:	STOCK-1,2,3,4 COMPOSITE	Basis:	as received
Lab ID:	211344-009	Diln Fac:	1.000
Matrix:	Soil	Sampled:	04/10/09
Units:	mg/Kg	Received:	04/10/09

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.50	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Arsenic	5.4	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Barium	280	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Beryllium	0.42	0.10	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Chromium	47	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Cobalt	8.2	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Copper	17	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Lead	37	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Mercury	0.099	0.020	149892	04/13/09	04/13/09	METHOD	EPA 7471A
Molybdenum	0.43	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Nickel	56	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Selenium	ND	0.50	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Silver	ND	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Thallium	ND	0.50	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Vanadium	32	0.25	149860	04/10/09	04/11/09	EPA 3050B	EPA 6010B
Zinc	72	1.0	149860	04/10/09	04/13/09	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC491383	Batch#:	149860
Matrix:	Soil	Prepared:	04/10/09
Units:	mg/Kg	Analyzed:	04/11/09
Basis:	as received		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	149860
Units:	mg/Kg	Prepared:	04/10/09
Basis:	as received	Analyzed:	04/11/09
Diln Fac:	1.000		

Type: BS Lab ID: QC491384

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	105.4	105	80-120
Arsenic	50.00	49.98	100	80-120
Barium	100.0	104.9	105	80-120
Beryllium	2.500	2.723	109	80-120
Cadmium	10.00	9.876	99	80-120
Chromium	100.0	101.0	101	80-120
Cobalt	25.00	24.43	98	80-120
Copper	12.50	12.32	99	80-120
Lead	100.0	95.20	95	80-120
Molybdenum	20.00	21.35	107	80-120
Nickel	25.00	24.66	99	80-120
Selenium	50.00	47.99	96	80-120
Silver	10.00	10.08	101	80-120
Thallium	50.00	47.51	95	80-120
Vanadium	25.00	25.99	104	80-120
Zinc	25.00	22.44	90	80-120

Type: BSD Lab ID: QC491385

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	105.7	106	80-120	0	20
Arsenic	50.00	49.84	100	80-120	0	20
Barium	100.0	107.4	107	80-120	2	20
Beryllium	2.500	2.789	112	80-120	2	20
Cadmium	10.00	10.13	101	80-120	3	20
Chromium	100.0	103.0	103	80-120	2	20
Cobalt	25.00	25.07	100	80-120	3	20
Copper	12.50	12.60	101	80-120	2	20
Lead	100.0	95.30	95	80-120	0	20
Molybdenum	20.00	21.33	107	80-120	0	20
Nickel	25.00	24.62	98	80-120	0	20
Selenium	50.00	48.19	96	80-120	0	20
Silver	10.00	10.28	103	80-120	2	20
Thallium	50.00	47.65	95	80-120	0	20
Vanadium	25.00	26.50	106	80-120	2	20
Zinc	25.00	23.05	92	80-120	3	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	149860
MSS Lab ID:	211344-006	Sampled:	04/10/09
Matrix:	Soil	Received:	04/10/09
Units:	mg/Kg	Prepared:	04/10/09
Basis:	as received		

Type: MS Lab ID: QC491386

Analyte	MSS Result	Spiked	Result	%REC	Limits	Diln Fac	Analyzed
Antimony	<0.1101	93.46	15.51	17	5-120	1.000	04/11/09
Arsenic	8.377	46.73	40.41	69	65-120	1.000	04/11/09
Barium	1,770	93.46	1,604	-178 NM	40-141	10.00	04/13/09
Beryllium	0.2793	2.336	2.062	76	75-120	1.000	04/11/09
Cadmium	0.6345	9.346	6.896	67	63-120	1.000	04/11/09
Chromium	307.8	93.46	240.4	-72 *	52-128	1.000	04/11/09
Cobalt	11.42	23.36	24.25	55	50-120	1.000	04/11/09
Copper	31.39	11.68	35.91	39	38-149	1.000	04/11/09
Lead	1,908	93.46	684.3	-1310 NM	49-124	10.00	04/13/09
Molybdenum	20.23	18.69	13.99	-33 *	62-120	1.000	04/11/09
Nickel	31.82	23.36	38.64	29 *	34-148	1.000	04/11/09
Selenium	<0.8387	46.73	40.11	86	63-120	10.00	04/13/09
Silver	<0.03099	9.346	6.705	72	66-120	1.000	04/11/09
Thallium	<0.09962	46.73	29.47	63	57-120	1.000	04/11/09
Vanadium	31.45	23.36	47.38	68	41-146	1.000	04/11/09
Zinc	2,091	23.36	1,894	-841 NM	25-159	10.00	04/13/09

Type: MSD Lab ID: QC491387

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Diln Fac	Analyzed
Antimony	90.91	21.90	24	5-120	37 *	31	1.000	04/11/09
Arsenic	45.45	46.38	84	65-120	16	24	1.000	04/11/09
Barium	90.91	1,471	-328 NM	40-141	8	31	10.00	04/13/09
Beryllium	2.273	2.388	93	75-120	17	21	1.000	04/11/09
Cadmium	9.091	8.105	82	63-120	19	20	1.000	04/11/09
Chromium	90.91	254.6	-59 *	52-128	6	25	1.000	04/11/09
Cobalt	22.73	28.72	76	50-120	19	26	1.000	04/11/09
Copper	11.36	38.83	66	38-149	9	28	1.000	04/11/09
Lead	90.91	663.0	-1370 NM	49-124	3	31	10.00	04/13/09
Molybdenum	18.18	16.89	-18 *	62-120	20	20	1.000	04/11/09
Nickel	22.73	47.15	67	34-148	21	30	1.000	04/11/09
Selenium	45.45	37.99	84	63-120	3	20	10.00	04/13/09
Silver	9.091	7.888	87	66-120	19	20	1.000	04/11/09
Thallium	45.45	33.73	74	57-120	16	20	1.000	04/11/09
Vanadium	22.73	53.82	98	41-146	14	24	1.000	04/11/09
Zinc	22.73	1,891	-878 NM	25-159	0	33	10.00	04/13/09

*= Value outside of QC limits; see narrative
NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference

11.0

Curtis & Tompkins, Ltd.

Zinc

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Zinc	Batch#:	149860
Matrix:	Soil	Sampled:	04/10/09
Units:	mg/Kg	Received:	04/10/09
Basis:	as received	Prepared:	04/10/09

Field ID	Type	Lab ID	Result	RL	Diln Fac	Analyzed
B-41-0	SAMPLE	211344-006	2,100	8.9	10.00	04/13/09
B-42-0	SAMPLE	211344-007	410	1.0	1.000	04/11/09
B-43-0	SAMPLE	211344-008	600	9.4	10.00	04/13/09
	BLANK	QC491383	ND	1.0	1.000	04/11/09

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Zinc

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	EPA 3050B
Project#:	1148.001.03	Analysis:	EPA 6010B
Analyte:	Zinc	Basis:	as received
Field ID:	ZZZZZZZZZZ	Batch#:	149860
MSS Lab ID:	211344-006	Sampled:	04/10/09
Matrix:	Soil	Received:	04/10/09
Units:	mg/Kg	Prepared:	04/10/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Diln Fac	Analyzed
BS	QC491384		25.00	22.44	90	80-120			1.000	04/11/09
BSD	QC491385		25.00	23.05	92	80-120	3	20	1.000	04/11/09
MS	QC491386	2,091	23.36	1,894	-841 NM	25-159			10.00	04/13/09
MSD	QC491387		22.73	1,891	-878 NM	25-159	0	33	10.00	04/13/09

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

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	1148.001.03	Analysis:	EPA 7471A
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC491505	Batch#:	149892
Matrix:	Soil	Prepared:	04/13/09
Units:	mg/Kg	Analyzed:	04/13/09

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	1148.001.03	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	149892
Units:	mg/Kg	Prepared:	04/13/09
Basis:	as received	Analyzed:	04/13/09

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC491506	0.5000	0.5190	104	80-120		
BSD	QC491507	0.5000	0.5110	102	80-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	211344	Location:	4700 Coliseum Way Site, Oakland
Client:	PES Environmental, Inc.	Prep:	METHOD
Project#:	1148.001.03	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	149892
MSS Lab ID:	211123-001	Sampled:	04/02/09
Matrix:	Soil	Received:	04/02/09
Units:	mg/Kg	Prepared:	04/13/09
Basis:	as received	Analyzed:	04/13/09

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC491508	0.09647	0.5208	0.6563	107	64-138		
MSD	QC491509		0.4717	0.5811	103	64-138	4	27

RPD= Relative Percent Difference

APPENDIX E

WASTE DISPOSAL INFORMATION

MARCOR ENVIRONMENTAL
www.marcor.com
CA License #736681

MARCOR Remediation, Inc.
6644 Sierra Lane
Dublin, CA 94568-2793

GSA Contract Holder

925-307-1500
925-307-1510 (FAX)
800-888-9501
Safety Beyond Compliance!

MARCOR Job 22-05445-001
Weber Soil Excavation
4700 Coliseum Way, Oakland, CA

WASTE DISPOSAL & BACKFILL LOG

SOIL DISPOSAL		VOC Material To Forward Landfill	Soil w/Lead To Kettleman Landfill
Date	Tag #		
5/20/2009	20489	44.13	
5/21/2009	21701	35.33	
5/19/2009	19699		16.42
5/20/2009	21301		13.71
5/22/2009	21307		13.25
5/26/2009	21706		10.39
TOTAL TONNAGE:		**79.46** VOC Material	**53.77** Soil w/Lead

Soil Bin Rental	Bin #	April	May
4/8 - 4/30/09	204	22	
4/8 - 4/30/09	209	22	
4/10 - 4/30/09	211	20	
	April Rental:	**64**	
5/01 - 5/26/09	204		26
5/01 - 5/22/09	209		22
5/01 - 5/22/09	211		22
5/19 - 5/20/09	298228		2
5/19 - 5/20/09	298235		2
	May Rental:		**74**
TOTAL DAYS RENTED:			**138**

BACKFILL MATERIAL			
Date	Tag #	TYPE	TONS
5/22/2009	22670	3/4" Drain Rock	12.78

LIQUID DISPOSAL			
Date	Tag/ Manifest #	Type	Gallons
5/19/2009	508298	UST Liquid	875
6/9/2009	M22052901	Ground Water	110
TOTAL GALLONS:			**985**

TANK DISPOSAL			
Date	Tag/ Manifest #	Type	Quantity
5/20/2009	00507308JJK	Steel 12'x4'	1

6/17/09 Prepared by Enid Cowart

SOIL DISPOSAL
AND
BACKFILL MATERIAL

INTRINSIC TRANSPORTATION, INC.

2225 Challenger Way, Suite 100
Santa Rosa, CA 95407
Phone: (707) 578-0960
Fax: (707) 578-5408

22391

MAY 19 2009

FREIGHT BILL

DATE: 5 / 19 / 2009

TRUCK #: 530 TRAILER #: 114

SUBHAULER: Powell

EPA # CAR000165274
DMV # CA 309780
DTSC # 4797
CHP # 136439

PRIME CARRIER: Intrinsic Transportation

GENERATOR: Marcor

LOAD SITE: 4700 Coliseum Way

CITY: Oakland CA.

CUSTOMER:

DUMP SITE:

CITY:

P.O. #:

SERVICE PERFORMED: Transport Haul Bins to Jobsite

LOADING DELAYS:

UNLOADING DELAYS:

MISCELLANEOUS NOTES: Adler Bins # 298228 & # 298235
Serial #s No #s on Bins
Install Liners supplied by us

MANIFEST #s:

SCALE TAG #s:

OFFICE USE ONLY	
TOTAL HOURS, TONS, OR ~~LOADS~~	Bin Delivery
RATE	
SUBTOTAL	
	Bin Liners
	@
TOTAL CHARGES	

START 9:45 Am	STOP 12:45 Pm	DEDUCTIONS	NET	Receivables, Approval
DRIVER		RECEIVED BY		Payroll Approval

All invoices are due and payable net 30 days. An annual percentage rate of 18% will be prorated monthly on all past due accounts. Costs for collection will be the responsibility of the customer.

001 (10/05)

INTRINSIC TRANSPORTATION, INC.

2225 Challenger Way, Suite 100
Santa Rosa, CA 95407
Phone: (707) 578-0960
Fax: (707) 578-5408

786

20489

MAY 2 7 2009

FREIGHT BILL

DATE: MAY 1 20 K / 2009

TRUCK #: 99 TRAILER #: 786

SUBHAULER: A. J. TRUCKING

EPA # CAR000165274
DMV # CA 309780
DTSC # 4797
CHP # 136439

PRIME CARRIER: INTRINSIC TRANSPORTATION

GENERATOR: MARCOR

LOAD SITE: 4700 COLUSUME WAY

CITY: OAKLAND CA

CUSTOMER: FORWARD LAND FILL

DUMP SITE: 9999 S AUSTIN RD

CITY: MANTECA CA.

P.O. #:

SERVICE PERFORMED:

① 303448 - 21.81

② 303449 - 22.32

LOADING DELAYS:

Concrete + Dirt

UNLOADING DELAYS:

MISCELLANEOUS NOTES:

2 LOADS

MANIFEST #s:

SCALE TAG #s:

OFFICE USE ONLY	
TOTAL HOURS, TONS, OR LOADS	44.13
RATE	
SUBTOTAL	
TOTAL CHARGES	

START	STOP	DEDUCTIONS	NET 2 LOADS	Receivables, Approval
DRIVER Amarjeet		RECEIVED BY		Payroll Approval

All invoices are due and payable net 30 days. An annual percentage rate of 18% will be prorated monthly on all past due accounts. Costs for collection will be the responsibility of the customer.

001 (10/05)

FORWARD INCORPORATED

9999 South Austin Road
Manteca, CA 95336
Landfill: 209-982-4298 Fax: 209-982-1009
Resource Recovery: 209-982-4298

1145 West Charter Way
Stockton, CA 95206
Main Office: 209-466-4482
Fax: 209-466-1067

DATE: 5/20/09

TRUCK LIC #:

CUSTOMER NO: 9017 TRUCK NO: A.J.99 TRAILER LIC #:

BILL TO: Intrinsic Trans.

Per Jonna

303448

SIZE YDS	DESCRIPTION	NOTES	
	☐ REFUSE ☐ TREATED WOOD		73440 GROSS
	☐ SLUDGE ☐ ASH		29820 TARE
	☐ ASBESTOS ☐ NON-FRIABLE ASBESTOS		43620 NET
18	☒ SOIL ☐ SOIL		21.81 TONS
	☐ STOCKPILE		

Signed Amarinder

IN _____ AM / PM

OUT _____ AM / PM

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Sunshine Canyon Landfill**
14747 San Fernando Blvd.
Sylmar, CA 91342
Phone (818) 833-6500
Fax (818) 362-5484

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: John Weber

MAILING ADDRESS: 555 California Street - Floor 10

CITY, STATE, ZIP: San Francisco, CA 94104 - 1513

PHONE: (415) 889 - 11000

CONTACT PERSON: Gary Thomas

SIGNATURE OF AUTHORIZED AGENT / TITLE: * Miguel Rizo (on behalf of John Weber) PES Environmental

DATE: 5/20/09

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 4600-4700 Coliseum way Oakland

WASTE ACCEPTANCE NO. - 9017

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

- ☑ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☑ HARD HAT
- ☑ TY-VEK
- ☐ SAFETY VEST

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: A. J. TRUCKING

ADDRESS: 2071 TRUMAN LN

CITY, STATE, ZIP: OAKLEY CA. 94561

PHONE: 925 766 9369

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Amar Singh

DATE: 5-20-09

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9E10247	99

- END DUMP ☒
- BOTTOM DUMP ☐
- TRANSFER ☐
- ROLL-OFF(S) ☐
- FLAT-BED ☐
- VAN ☐
- DRUMS ☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: * Mary

DATE: 5/20/09

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TRANSPORTER COPY

MANIFEST # 671616

FORWARD INCORPORATED

9999 South Austin Road
Manteca, CA 95336
Landfill: 209-982-4298 Fax: 209-982-1009
Resource Recovery: 209-982-4298

1145 West Charter Way
Stockton, CA 95206
Main Office: 209-466-4482
Fax: 209-466-1067

DATE: 5 2009.

TRUCK LIC #: _____

CUSTOMER NO: 9617. TRUCK NO: AJ 691 TRAILER LIC #: _____

BILL TO: INTERSTATE Transport

303449

SIZE YDS	DESCRIPTION	NOTES	
	☐ REFUSE ☐ TREATED WOOD		74460 GROSS
	☐ SLUDGE ☐ ASH		29,820 TARE
	☐ ASBESTOS ☐ NON-FRIABLE ASBESTOS		44640 NET
18	☒ JI SOIL ☐ SOIL		22.32 TONS
	☐ STOCKPILE		

Signed A Marquez AS

IN _____ AM / PM

OUT _____ AM / PM

☐ Keller Canyon Sanitary Landfill	☐ Sunshine Canyon Landfill	☐ Ox Mountain Sanitary Landfill	☐ Newby Island Sanitary Landfill	☒ Forward Landfill
901 Bailey Road Pittsburg, CA 94565 Phone (925) 458-9800 Fax (925) 458-9891	14747 San Fernando Blvd. Sylmar, CA 91342 Phone (818) 833-6500 Fax (818) 362-5484	12310 San Mateo Road Half Moon Bay, CA 94019 Phone (650) 726-1819 Fax (650) 726-9183	1601 Dixon Landing Road Milpitas, CA 95035 Phone (408) 945-2800 Fax (408) 262-2871	9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: John Weber

MAILING ADDRESS: 555 California Street

CITY, STATE, ZIP: San Francisco, CA 94104-1513

PHONE: (415) 884-1000

CONTACT PERSON: Gary Thomas

SIGNATURE OF AUTHORIZED AGENT / TITLE: * Miguel Rico (on behalf of John Weber) PES Environmental

DATE: 5/20/09

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☒ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY:

WASTE ACCEPTANCE NO.

- 9017

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

- ☒ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☒ HARD HAT
- ☒ TY-VEK
- ☐ SAFETY VEST

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY:

TRANSPORTER: A. J. Trucking

ADDRESS: 2071 Truman Ln.

CITY, STATE, ZIP: Oakley CA. 94561

PHONE: 925 766 9369

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *

DATE: 5-20-09

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
9E10247	99

END DUMP	BOTTOM DUMP	TRANSFER
☒	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *

DATE: 5-20-09

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

INTRINSIC TRANSPORTATION, INC.

2225 Challenger Way, Suite 100
Santa Rosa, CA 95407
Phone: (707) 578-0960
Fax: (707) 578-5408

21701

MAY 2 2 2009

FREIGHT BILL

DATE: 5 / 21 / 2009

TRUCK #: 530 TRAILER #: 112

SUBHAULER: Powell

EPA # CAR000165274
DMV # CA 309780
DTSC # 4797
CHP # 136439

PRIME CARRIER: Intrinsic Transportation

GENERATOR: John Weber

LOAD SITE: 4600 - 4700 Coliseum Way

CITY: Oakland CA.

CUSTOMER: Forward Landfill Inc.

DUMP SITE: 9999 So. Austin Rd

CITY: Manteca CA

P.O. #:

SERVICE PERFORMED: Haul Contaminated Dirt to Waste Site

Mercer Jos

LOADING DELAYS:

UNLOADING DELAYS:

MISCELLANEOUS NOTES:

MANIFEST #s: 674590 , 674591

SCALE TAG #s: 438796 438622

OFFICE USE ONLY	
TOTAL HOURS, (TONS,) OR LOADS	35.33
RATE	
SUBTOTAL	
TOTAL CHARGES	

START 6.3=45	STOP 4:00 PM	DEDUCTIONS	NET	Receivables, Approval
DRIVER		RECEIVED BY		Payroll Approval

All invoices are due and payable net 30 days. An annual percentage rate of 18% will be prorated monthly on all past due accounts. Costs for collection will be the responsibility of the customer.

001 (10/05)

438796

FORWARD INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298/WEIGHING LOCATION
Resource Recovery: (209) 982-4298

1145 W. Charterway
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID

WEIGHMASTER
YS 04[illegible]

DATE IN	TIME IN
MR47024 MARY CARMEN F	
DATE OUT	TIME OUT
21 May 2009	9:07 am
VEHICLE	ROLL OFF
21 May 2009	9:22 am
REFERENCE	ORIGIN
INTRIN 530	

009017 -
INTRINSIC TRANSPORTATION
LISA M. LEVANG
2225 CHALLENGER WAY, STE. 100
SANTA ROSA, CA 95407

Contract: 204Y94786

OAKLAND

03 Gross Weight 73,400.00 LB
Stored Tare Weight 34,520.00 LB
Net Weight 38,880.00 LB 19.44 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.44	TN	SW-CONT SOIL				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

MANIFEST# 674590

DRIVER SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

ALLIED WASTE SERVICES

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Sunshine Canyon Landfill**
14747 San Fernando Blvd.
Sylmar, CA 91342
Phone (818) 833-6500
Fax (818) 362-5484

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☑ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: John Weber

MAILING ADDRESS: 555 California Street, Floor 10

CITY, STATE, ZIP: San Francisco, CA 94104-1513

PHONE: (415) 889-1600

CONTACT PERSON: Gary Thomas

SIGNATURE OF AUTHORIZED AGENT / TITLE: * Miguel Rizo (on behalf of John Weber) PES Environmental

DATE: 5/20/09

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, If the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☑ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY: 4600-4700 Coliseum Way Oakland

WASTE ACCEPTANCE NO.

~~9017~~

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

- ☑ GLOVES
- ☐ GOGGLES
- ☐ RESPIRATOR
- ☑ HARD HAT
- ☑ TY-VEK
- ☐ SAFETY VEST

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

TRANSPORTER: Intrinsic Transportation

ADDRESS: 2225 Challenger Way

CITY, STATE, ZIP: Santa Rosa CA. 95407

PHONE: (707) 578-0900

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *

DATE: 5/21/09

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
VP08072	530

END DUMP	BOTTOM DUMP	TRANSFER
☑	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *

DATE: 5/21/09

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TRANSPORTER COPY

MANIFEST # 674590

438622

FORWARD INCORPORATED

9999 South Austin Road/WEIGHING LOCATION
Manteca, CA 95336
Landfill: (209) 982-4298/WEIGHING LOCATION
Resource Recovery: (209) 982-4298

1145 W. Charterway
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

SITE	TICKET	GRID

WEIGHMASTER: YB 048701

DATE IN: M000033 MOLINA O
TIME IN:
DATE OUT: 21 May 2009
TIME OUT: 12:49 pm
VEHICLE: 21 May 2009
ROLL OFF: 1:11 pm
REFERENCE: INTRIN 530
ORIGIN: OAKLAND

009017
INTRINSIC TRANSPORTATION
LISA M. LEVANG
2225 CHALLENGER WAY, STE. 100
SANTA ROSA, CA 95407
Contract: 2047947B6

03 Gross Weight 66,160.00 lb
Stored Tare Weight 34,380.00 lb

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
15.89	TN	SW-CONT SOIL				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

Net Weight 31,780.00 lb 15.89 TN

MANIFEST# 674591

DRIVER SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

ALLIED WASTE SERVICES

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Sunshine Canyon Landfill**
14747 San Fernando Blvd.
Sylmar, CA 91342
Phone (818) 833-6500
Fax (818) 362-5484

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☒ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR: John Weber

MAILING ADDRESS: 555 California Street, Floor 10

CITY, STATE, ZIP: San Francisco, CA 94104-1513

PHONE: (415) 889-1600

CONTACT PERSON: Gary Thomas

SIGNATURE OF AUTHORIZED AGENT / TITLE: * Miguel Rizo (on behalf of John Weber) PES Environmental

DATE: 5/20/09

WASTE ACCEPTANCE NO.

9017

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

☒ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☒ HARD HAT
☒ TY-VEK ☐ SAFETY VEST

SPECIAL HANDLING PROCEDURES:

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

☒ DISPOSAL ☐ SLUDGE
☐ CONSTRUCTION ☐ WOOD
☐ DEBRIS ☐ OTHER
☐ SPECIAL WASTE

GENERATING FACILITY: 4600-4700 Coliseum Way Oakland

RECEIVING FACILITY

TRANSPORTER: Intrinsic Transportation

ADDRESS: 2225 Challenger Wy

CITY, STATE, ZIP: Santa Rosa CA. 95407

PHONE: (707) 578-0960

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *

DATE: 5/21/09

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
VP58072	530

END DUMP ☒ BOTTOM DUMP ☐ TRANSFER ☐

ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS ☐

Clean-up Load

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT: *

DATE: 5/21/09

CUBIC YARDS

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

TRANSPORTER COPY

INTRINSIC TRANSPORTATION, INC.

2225 Challenger Way, Suite 100
Santa Rosa, CA 95407
Phone: (707) 578-0960
Fax: (707) 578-5408

19699

MAY 2 [illegible] 2009

FREIGHT BILL

DATE: 5 / 19 / 20 09

TRUCK #: 514 TRAILER #: 115

SUBHAULER: Don Carney

EPA # CAR000165274
DMV # CA 309780
DTSC # 4797
CHP # 136439

PRIME CARRIER: Intrinsic

GENERATOR: John Weber

LOAD SITE: Coliseum Way

CITY: Oakland Ca

CUSTOMER: CWM

DUMP SITE:

CITY: Kettleman City Ca

P.O. #:

SERVICE PERFORMED: P.U. 2 bins # 209 & 211 and Transport Contents to Kettleman City Ca

LOADING DELAYS:

UNLOADING DELAYS:

MISCELLANEOUS NOTES:

MANIFEST #s: 004786543

SCALE TAG #s: 25950/6 = 22.37 Ton

OFFICE USE ONLY	
TOTAL HOURS, TONS OR LOADS	Trans
RATE	
SUBTOTAL	
Disposal	16.42 Ton
TOTAL CHARGES	

START	STOP	DEDUCTIONS	NET	Receivables, Approval
DRIVER		RECEIVED BY		Payroll Approval

All invoices are due and payable net 30 days. An annual percentage rate of 18% will be prorated monthly on all past due accounts. Costs for collection will be the responsibility of the customer.

001 (10/05)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAC002641362
2. Page 1 of: 1
3. Emergency Response Phone: 800-321-1030
4. Manifest Tracking Number: 004786543 JJK

GENERATOR

5. Generator's Name and Mailing Address
John Weber
555 California Street, Floor 10
San Francisco, CA 94104-1513
Generator's Phone: 415-889-1600

Generator's Site Address (if different than mailing address)
4600-4700 Coliseum Way
Oakland, CA 94601

6. Transporter 1 Company Name: Intrinsic Transportation, Inc.
U.S. EPA ID Number: CAR000165274

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. RQ, Environmentally Hazardous Substances, Solid, N.O.S.(Lead)(Soil contaminated with red oxide paint), 9, UN3077, PGIII	4 2	CM	40	T 40 yd	611
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material
ERG # 171
Eth #: 209 & 211
Profile #: CA576795 (Non-RCRA Soil)
UP92574

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: John E Weber
Signature:
Month: 5 Day: 14 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Don Carey
Signature:
Month: 5 Day: 19 Year: 09
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) 22.37 Ton
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jim F Adams
Signature:
Month: 5 Day: 20 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

WEIGHT (LB)	TIME	DATE	COMMODITY: HAZARDOUS WASTE
GROSS:	16:37	5-19-09	77500 lb 38.79 ton
TARE:			
NET:	16:29	05-19-09	44740lb 22.37 to
YARDAGE:			

DEPUTY WEIGHTMASTER

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed at
35251 Old Skyline Road
Kettleman City, CA

NO: 259506

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with §12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

GENERATOR	MANIFEST	PROFILE

TRACTOR LICENSE #	TRAILER LICENSE NO.	BIN #	RECEIPT #

Treated Soil Concrete Slab 22.37 Ton

INTRINSIC TRANSPORTATION, INC.

2225 Challenger Way, Suite 100
Santa Rosa, CA 95407
Phone: (707) 578-0960
Fax: (707) 578-5408

21301

MAY 2 7 2009

FREIGHT BILL

DATE: 5 / 20 / 20 09

TRUCK #: 514 TRAILER #: 115

SUBHAULER: Don Camy

EPA # CAR000165274
DMV # CA 309780
DTSC # 4797
CHP # 136439

PRIME CARRIER: Intrinsic

GENERATOR: Jim Weber / Marco

LOAD SITE: Coliseum Way

CITY: Oakland CA

CUSTOMER: CWM

DUMP SITE: Hwy 41

CITY: Kettleman City CA

P.O. #:

SERVICE PERFORMED: P.U. 2 Loaded bins In Oakland Ca & transport Contents to Kettleman City.

LOADING DELAYS:

UNLOADING DELAYS:

MISCELLANEOUS NOTES:

MANIFEST #s: 004986544

SCALE TAG #s: 259579 = 13.71 Ton

OFFICE USE ONLY	
TOTAL HOURS, TONS, OR LOADS	Trans
RATE	
SUBTOTAL	
Disposal	13.71 Ton
TOTAL CHARGES	

START	STOP	DEDUCTIONS	NET	Receivables, Approval
DRIVER		RECEIVED BY		Payroll Approval

All invoices are due and payable net 30 days. An annual percentage rate of 18% will be prorated monthly on all past due accounts. Costs for collection will be the responsibility of the customer.

001 (10/05)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAD002641362
2. Page 1 of: 1
3. Emergency Response Phone: 800-321-1030
4. Manifest Tracking Number: 004786544 JJK

GENERATOR

5. Generator's Name and Mailing Address
John Weber
555 California Street, Floor 10
San Francisco, CA 94104-1513
Generator's Phone: 415-869-1600

Generator's Site Address (if different than mailing address)
4500-4700 Coliseum Way
Oakland, CA 94601

6. Transporter 1 Company Name: Intrinsic Transportation, Inc.
U.S. EPA ID Number: CAR000165274

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. RQ, Environmentally Hazardous Substances, Solid, N.O.S.(Lead)(Soil contaminated with red oxide paint), 9, UN3077, PGIII	2	CM	40	Y	611		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material
ERG # 171
Bin # ADLER & ADLER
Profile # CAS76795 (Non-RCRA Soil)
UP92574

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: John E. Weber
Signature
Month: 5 Day: 7 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Don Carey
Signature
Month: 5 Day: 20 Year: 09
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
18b. Alternate Facility (or Generator) Manifest Reference Number:
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Ginger Adams
Signature
Month: 5 Day: 20 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

WEIGHT (LB)	TIME	DATE	COMMODITY: HAZARDOUS WASTE
GROSS:			DEPUTY WEIGHTMASTER
TARE:			
NET: 15:57 05-20-09 44400lb 22.20 to			
YARDAGE:			

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed at
35251 Old Skyline Road
Kettleman City, CA

NO: 259579

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with §12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

GENERATOR	MANIFEST	PROFILE	
TRACTOR LICENSE #	TRAILER LICENSE NO.	BIN #	RECEIPT #

INTRINSIC TRANSPORTATION, INC.

2225 Challenger Way, Suite 100
Santa Rosa, CA 95407
Phone: (707) 578-0960
Fax: (707) 578-5408

22670

JUN 0 1 2009

FREIGHT BILL

DATE: 5 / 22 / 20 09

TRUCK #: 143 TRAILER #:

SUBHAULER: Bendo 8015

EPA # CAR000165274
DMV # CA 309780
DTSC # 4797
CHP # 136439

PRIME CARRIER: Intrinsic

GENERATOR: Syar

LOAD SITE:

CITY: Vallejo

CUSTOMER: Macco

DUMP SITE:

CITY: Oakland

P.O. #:

SERVICE PERFORMED: Import

LOADING DELAYS:

UNLOADING DELAYS:

MISCELLANEOUS NOTES:

MANIFEST #s:

SCALE TAG #s: 1880644

OFFICE USE ONLY	
TOTAL HOURS, TONS, OR LOADS Trans	
RATE	
SUBTOTAL	
3/4" Drain Rock	12.78 Tons
TOTAL CHARGES	

START	STOP	DEDUCTIONS	NET	Receivables, Approval
DRIVER		RECEIVED BY		Payroll Approval

All invoices are due and payable net 30 days. An annual percentage rate of 18% will be prorated monthly on all past due accounts. Costs for collection will be the responsibility of the customer.

001 (10/05)

INTRINSIC TRANSPORTATION, INC.

2225 Challenger Way, Suite 100
Santa Rosa, CA 95407
Phone: (707) 578-0960
Fax: (707) 578-5408

21307

JUN 0 8 2009

FREIGHT BILL

DATE: 5 / 22 / 20 09

TRUCK #: 514 TRAILER #: 115

SUBHAULER: Don Carey

EPA # CAR000165274
DMV # CA 309780
DTSC # 4797
CHP # 136439

PRIME CARRIER: Intrinsic

GENERATOR: John Weber

LOAD SITE: Coliseum Way

CITY: Oakland

CUSTOMER: ~~CWE~~ CWM

DUMP SITE:

CITY: Kettleman Petty Pa

P.O. #:

SERVICE PERFORMED: P.U. 2 bins at Oakland Pa and transport Contents to Kettleman Petty. Pa

LOADING DELAYS:

UNLOADING DELAYS:

MISCELLANEOUS NOTES:

MANIFEST #s: 004786542

SCALE TAG #s: 259683 = 22.27 Ton

OFFICE U	
TOTAL HOURS, TONS, OR LOADS	
RATE	
SUBTOTAL	
Disposal	13.25 Tons
TOTAL CHARGES	

START	STOP	DEDUCTIONS	NET	Receivables, Approval
DRIVER		RECEIVED BY		Payroll Approval

All invoices are due and payable net 30 days. An annual percentage rate of 18% will be prorated monthly on all past due accounts. Costs for collection will be the responsibility of the customer.

001 (10/05)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC002641352	1	800-321-1090	004786542 JJK

GENERATOR

5. Generator's Name and Mailing Address
John Weber
555 California Street, Floor 10
San Francisco, CA 94104-1513
Generator's Phone: 415-859-1500

Generator's Site Address (if different than mailing address)
4500-4700 Coliseum Way
Oakland, CA 94601

6. Transporter 1 Company Name: Intrinsic Transportation, Inc.
U.S. EPA ID Number: CAR000165274

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. RQ, Environmentally Hazardous Substances, Solid, N.O.S.(Lead)(Soil contaminated with red oxide paint), 9, UN9077, PGIII	2	CM	28	YD	811
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material.
ERG #: 171
Bill #: 211-209
Profile #: CA576795 (Non-RCRA Soil)
WP925574

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: John F Weber
Signature
Month: 5 Day: 19 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Don Garry
Signature
Month: 5 Day: 22 Year: 09

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

18b. Alternate Facility (or Generator)
Manifest Reference Number:
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H137			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Martha Lester
Signature
Month: 5 Day: 22 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

WEIGHT (LB)	TIME	DATE
GROSS:	5-22-09	71040 lb 35.52 ton
TARE:		
NET:	16:27 05-22-09	44540lb 22.27 to
YARDAGE:		

COMMODITY: HAZARDOUS WASTE

DEPUTY WEIGHTMASTER

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHMASTER weighed at
35251 Old Skyline Road
Kettleman City, CA

NO: 259683

WEIGHMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with §12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

GENERATOR	MANIFEST	PROFILE
	004165401	CA5761

TRACTOR LICENSE #	TRAILER LICENSE NO.	BIN #	RECEIPT #

INTRINSIC TRANSPORTATION, INC.

2225 Challenger Way, Suite 100
Santa Rosa, CA 95407
Phone: (707) 578-0960
Fax: (707) 578-5408

21706

JUN 0 1 2009

FREIGHT BILL

DATE: 5 / 26 / 20 09

TRUCK #: 530 TRAILER #: 114

SUBHAULER: Powell

EPA # CAR000165274
DMV # CA 309780
DTSC # 4797
CHP # 136439

PRIME CARRIER: Intrinsic Transportation

GENERATOR: John Weber

LOAD SITE: 4600 - 4700 Coliseum Way

CITY: Oakland CA.

CUSTOMER: Chemical Waste Management

DUMP SITE: 35251 old Skyline Rd

CITY: Kettleman City CA.

P.O. #:

SERVICE PERFORMED: Transport Haul Bin with Lead & oxide paint Contaminated Soil Placard # 3077

LOADING DELAYS:

UNLOADING DELAYS:

MISCELLANEOUS NOTES: Preload Bin on 5-22 for 5-26 dump

MANIFEST #s: 004786541 JJK

SCALE TAG #s: 259696

OFFICE U	
TOTAL HOURS, TONS, OR LOADS	
RATE	
SUBTOTAL	
Disposal	10.39 Tons
TOTAL CHARGES	

START 3:00 5-22	STOP 8:45 5-26	DEDUCTIONS	NET	Receivables, Approval
DRIVER		RECEIVED BY		Payroll Approval

All invoices are due and payable net 30 days. An annual percentage rate of 18% will be prorated monthly on all past due accounts. Costs for collection will be the responsibility of the customer.

001 (10/05)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAD002541362
2. Page 1 of: 1
3. Emergency Response Phone: 800-321-1030
4. Manifest Tracking Number: 004786541 JJK

GENERATOR

5. Generator's Name and Mailing Address
John Weber
555 California Street, Floor 10
San Francisco, CA 94104-1513
Generator's Phone: 415-889-1600

Generator's Site Address (if different than mailing address)
4600-4700 Colliseum Way
Oakland, CA 94601

6. Transporter 1 Company Name: Intrinsic Transportation, Inc.
U.S. EPA ID Number: CAR000165274

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Chemical Waste Management
35251 Old Skyline Road
Kettleman City, CA 93239
Facility's Phone: 559-386-9711
U.S. EPA ID Number: CAT000646117

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. RQ, Environmentally Hazardous Substances, Solid, N.O.S.,(Lead)(Soil contaminated with red oxide paint), 9, UN3077, PGIII	1	CM	18	Y	611		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Wear Proper Clothing When Handling Material
ERG # 171
Bin # 204
Profile # CA576795 (Non-RCRA Soil)
Lic # VP08072

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: John F Weber | Signature: John F Weber | Month: 5 | Day: 19 | Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☒ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bill Powell | Signature: Bill Powell | Month: 05 | Day: 22 | Year: 09

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

18b. Alternate Facility (or Generator) Manifest Reference Number:
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jamie Wall | Signature: Jamie Wall | Month: 05 | Day: 26 | Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

WEIGHT (LB)	TIME	DATE	COMMODITY: HAZARDOUS WASTE
GROSS: 8:12	5-26-09	61940 lb 30.97 ton	DEPUTY WEIGHTMASTER
TARE:			
NET: 08:42 05-26-09 41160lb 20.58 to			
YARDAGE:			

CHEMICAL WASTE MANAGEMENT, INC.
WEIGHTMASTER weighed at
35251 Old Skyline Road
Kettleman City, CA

NO: 259696

WEIGHTMASTER CERTIFICATE

This is to certify that the following described commodity was weighed, measured, or counted by a WEIGHTMASTER, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by CHAPTER 7 (commencing with §12700) of Division 5 of the California Business & Professions Code, administered by the Division of Measurement Standards of California Department of Food and Agriculture.

GENERATOR	MANIFEST	PROFILE
	CAY 56511	CA9 CEF

TRACTOR LICENSE #	TRAILER LICENSE NO.	BIN #	RECEIPT #

DISTRIBUTION

SUBSURFACE INVESTIGATION AND SOIL REMEDIATION REPORT 4600-4700 COLISEUM WAY OAKLAND, CALIFORNIA

JULY 16, 2009

COPY NO. ____

		Copy No.
3 Copies	Mr. John Weber P.O. Box 304 Diablo, California 94528	1 - 3
1 Copy	Alameda County Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, California 94502 Attention: Mr. Jerry Wickham	4
3 Copies	PES Job Files	5 - 7
1 Copy	Unbound Original	8