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Engineering & Environmental Services

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Alameda County
Environmental Health

September 9, 2007

881.060.02.005

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Attention: Mr. Jerry Wickham

Transmittal
Post-Remediation Report
Voluntary Soil Remediation
Sparkle Cleaners
Eastmont Town Center
7000 Bancroft Avenue
Oakland, California
SLIC Case RO0002942

Dear Mr. Wickham:

On behalf of SKB-Eastmont Oakland Associates, LLC, attached please find the post-remediation report documenting successful completion of the soil excavation and back-filling activities recently completed at the Sparkle Cleaners dry-cleaning facility. I declare, under penalty of perjury, that the information and/or recommendations contained the attached document or report is true and correct to the best of my knowledge.

We trust that this is the information that you require at this time. Please contact us with any further questions.

Yours very truly,

PES ENVIRONMENTAL, INC.

William W. Mast, P.G.
Associate Engineer

cc: Ms. Kathleen Schulz - SKB – Eastmont Oakland Associates, LLC

PES Environmental, Inc.
Engineering & Environmental Services

A Report Prepared For:

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Attention: Mr. Jerry Wickham

POST-REMEDIATION REPORT
VOLUNTARY SOIL REMEDIATION
SPARKLE CLEANERS
EASTMONT TOWN CENTER
7000 BANCROFT AVENUE
OAKLAND, CALIFORNIA

SEPTEMBER 9, 2007

By:

Gary Thomas, P.G.
Senior Geologist

William W. Mast, P.G.
Associate Engineer

881.060.02.005

1682 Novato Boulevard • Suite 100 • Novato, California 94947-7021 • Tel (415) 899-1600 • Fax (415) 899-1601

TABLE OF CONTENTS

TABLE OF CONTENTS
(Continued)

LIST OF TABLES

LIST OF ILLUSTRATIONS

1.0 INTRODUCTION

This report has been prepared by PES Environmental, Inc. (PES) on behalf of SKB – Eastmont Oakland Associates, LLC (SKBEOA), the property owner, to document recently completed remedial actions at the Sparkle Cleaners facility (Site) at the Eastmont Town Center shopping mall, 7000 Bancroft Avenue, Oakland, California (Plates 1 and 2). The remedial actions were performed to address soil and groundwater affected by chlorinated volatile organic compounds (VOCs). The site was acquired by SKBEOA from Eastmont Town Center Company, LLC in April 2007.

The purpose of this report is to describe the completed remedial activities, and to document compliance with the site *Remedial Action Workplan* (RAW) dated January 5, 2007 (PES, 2007). The RAW was submitted to Alameda County Environmental Health (ACEH) for review under the terms of the Alameda County Environmental Cleanup Oversight Programs. Approval of the RAW was provided by ACEH staff in a letter dated February 27, 2007 (ACEH, 2007), a copy of which is presented in Appendix A.

This report presents an overview of the RAW-required activities, identifies remedial goals, summarizes field activities conducted in accordance with the RAW, and presents conclusions based upon the completion of the remedial actions. Based on the evaluation of target soil cleanup goals discussed in the RAW, soil remediation was conducted to prevent adverse impacts to human health and reduce the potential for further degradation of groundwater quality.

2.0 BACKGROUND INFORMATION

2.1 Site Description

The Sparkle Cleaners tenant space (Suite 11) covers approximately 1,800 square feet in the northwest portion of Eastmont Town Center (Plate 2). The area in front (north) of Sparkle Cleaners includes storefront parking and a mall driveway. The rear (south) of the tenant space opens into a common hallway that traverses the width of the building from east to west. An alleyway is located approximately 20 feet to the east.

The ground surface elevation at Sparkle Cleaners is approximately 60 feet above mean seal level (MSL). The topography is relatively level and slopes slightly to the southwest. To the east and northeast of the site, the topography steepens and continues to rise to approximately 360 feet MSL (Plate 1).

In the vicinity of the Site, groundwater was first encountered between approximately 40 and 44 feet below ground surface (bgs) during drilling performed during PES' investigation in November 2006 (PES, 2007). However, the groundwater levels rose relatively quickly in the borings to depths ranging from 23 to 40 feet bgs, suggesting that the aquifer at 40 to 44 feet

bgs is semi-confined or confined. The direction of groundwater flow at the site was previously observed to be westerly[1], as described below. Groundwater flow at the nearby Union 76 station has been consistently to the north-northeast (Broadbent & Associates, 2006).

2.2 Dry-Cleaning Operations

Historical occupant information indicates that Sparkle Cleaners has operated at the mall since approximately 1970. The current owner of the dry cleaner, Mr. Jung Shin, purchased the facility in approximately 1988. According to Mr. Shin, the current closed-loop dry-cleaning unit (DCU) was purchased in about 1991. He was not familiar with historical dry-cleaning operations conducted by prior owner/operators.

Currently, Sparkle Cleaners operates a tetrachloroethene (PCE)-based DCU located in the east-southeast rear corner of Suite 11. The DCU is a closed-loop dry-to-dry system with a secondary containment pan. Waste condensate, sludge, and filters from the DCU are stored in 55-gallon drums (without containment) and disposed off the site. In addition, the dry-cleaner operator uses spotting liquids containing VOCs at a spotting station located towards the rear of the tenant space.

Stains were observed on the concrete floor surface of the work areas and the floor has no sealant coating. Cracks in the floor slab were observed at several areas. The current Site layout, including the location of the currently operating DCU, the spotting station, and the waste drum storage locations are shown on Plate 3.

In addition to the currently operating DCU, PES identified the location of a former DCU near the south-southeast (rear) wall of the Site (Plate 3). This former DCU location was identified by markings on the floor and from discussions with the current facility operator.

2.3 Summary of Previous Remedial Investigations

Environmental investigations have been conducted at Eastmont Center since the late 1980s. The focus of the early investigations appears to have been related to general characterization of soil and groundwater beneath the site, underground storage tanks at two former auto service centers, and Sparkle Cleaners. ACEH closed the underground storage tank cases at the subject property in letters dated February 10, 1995 and April 16, 1998 (ACEH, 1995; 1998). Details of these historical investigations are provided in the RAW.

As part of SKBEOA's environmental due diligence activities prior to its acquisition of the property, subsurface investigations were conducted by PES to assess soil and groundwater conditions.

[1] According to an August 27, 1983 Groundwater Gradient Map, contained within an April 16, 1998 Alameda County Health Care Services letter providing case closure for historical underground storage tank sites at the property.

Limited access drilling equipment was used to collect soil gas and soil matrix samples from the interior and exterior of Sparkle Cleaners in October 2006. Interior samples were collected in the vicinity of the current DCU, the former DCU location, chemical waste storage, spotting chemical storage, and the inferred sanitary sewer line. Exterior sampling locations included the parking lot northwest of the dry-cleaning facility and near the utility corridor along the northeast side of the building. A groundwater sample was collected from one of the exterior borings. These sampling locations are shown on Plate 3. PCE, TCE, and cis-1,2-DCE were detected in the majority of the soil gas samples. In addition, PCE was detected in the three interior soil matrix samples near the former DCU (boring locations B-8, B-9 and B-10; Plate 3) at concentrations ranging from 1,400 to 3,000 μg/kg. No VOCs were detected in the other interior soil matrix samples, the exterior soil matrix samples, or the exterior groundwater sample from location B-3.

Additional investigation was performed in November 2006, to further evaluate the extent of PCE-affected soil and groundwater. Interior drilling locations were sited to assess the lateral and vertical extent of PCE-affected soils associated with elevated concentrations of PCE. Soil matrix samples were collected at depths ranging up to 18 feet bgs. In addition to the interior sampling locations, groundwater samples were collected from four borings located in the parking lot and driveway areas to the northwest and southwest of Sparkle Cleaners. PCE (up to 140 μg/kg) and TCE (up to 6.8 μg/kg) were detected in the soil samples; no other VOCs were detected. PCE and TCE were also detected in two of the four exterior groundwater grab samples at concentrations ranging up to 40 and 2.4 μg/L, respectively.

3.0 REMEDIAL ACTION OBJECTIVES AND CLEANUP GOALS

The objectives of the remediation are to: (1) remove contaminant source soil with elevated concentrations of VOCs related to dry-cleaning operations; and (2) assess and monitor VOC concentrations in groundwater following removal of the source of contamination.

The target soil cleanup goals were set at the RWQCB's risk-based environmental screening level concentrations for surface soil (less than 3 meters [9.84 feet] bgs) in an industrial/commercial setting. ESL concentrations are provided in the RWQCB's *Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater* (Table A-2, Shallow Soil Screening Levels), dated February 2005 (RWQCB, 2005). The ESLs were developed by the RWQCB to be protective of human health and the environment for potentially complete exposure pathways. As such, the target soil cleanup goals for PCE, TCE, and cis-1,2-DCE (these are the only VOCs detected in the verification samples discussed below) in a commercial/industrial land use setting are 240, 460, and 190 μg/kg, respectively.

4.0 DESCRIPTION OF COMPLETED REMEDIAL ACTIONS

Soil excavation was conducted within the interior of Sparkles Cleaners to remove soil containing concentrations of PCE above the target soil cleanup concentration.

Remedial activities at the site consisted of: (1) preliminary activities, including preparing Health and Safety Plans (HSPs), conducting an engineering evaluation, and preparing the site for the excavation activities; (2) saw-cutting and removing the concrete floor slab overlying the area of affected soil; (3) excavating soil with PCE concentrations above the target cleanup goal; (4) collecting and analyzing verification soil samples from the excavation bottom and sidewalls to verify the target cleanup concentration was met; (5) collecting and analyzing waste characterization samples of the removed concrete and excavated soil; and (6) backfilling the excavation and replacing the floor slab.

4.1 Preliminary Activities

4.1.1 Permitting and Health and Safety

DECON Environmental Services, Inc. (DECON), a HAZWOPER-trained contractor from Hayward, California, was retained by SKBEOA to conduct the soil remedial activities. Prior to initiation of site remedial activities, DECON consulted with the City of Oakland Building Department and ACEH to assess whether permits were needed for the proposed excavation activities. According to DECON, permits were not needed from either of these agencies.

Prior to conducting remediation activities, a site-specific HSP was prepared by DECON 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.

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

4.1.2 Engineering Evaluation

One building foundation footing was present beneath the interior structural support column inside the rear wall of Sparkle Cleaners. The footing was located adjacent to the excavation area, as shown on Plates 3 and 4. This concrete footing measured approximately 5 feet by 5 feet in area, and extended to a depth 4.0 feet bgs. 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 footing and building. The recommendations were presented in a letter dated June 20, 2007, which is provided in Appendix B. T&R recommended that slot trenching be implemented so that no more than 3 feet of the face of the footing be exposed at any one time, and that the excavations be backfilled with controlled density fill (CDF). T&R was present for excavation and backfilling activities adjacent to the footing. T&R observations during the excavation activities and conclusions regarding implementation of their recommendations were provided in a letter dated July 24, 2007, which is also provided in Appendix B.

4.1.3 Site Preparation

To protect the staff of the operating dry-cleaning facility, a 4-foot high temporary wood-framed wall was constructed to separate the excavation area from unaffected, active portions of the Sparkle Cleaners. The removal of existing building walls was not necessary to complete the excavation. The area above the temporary wall was covered with plastic sheeting that extended to near the ceiling to protect the unaffected portions of the Sparkle Cleaners from dust and to reduce post-remediation cleaning. In addition, a ventilation system, consisting of blowers with ducting to the building exterior via the rear hallway, was installed. The purpose of the wall and ventilation system was to reduce odors and potential worker/tenant exposure to VOC vapors during excavation activities. The blowers created a negative pressure environment in the excavation and tenant areas with the ventilation system. The ventilation system operated 24 hours per day for the duration of the excavation activities.

4.2 Soil Excavation Activities

Prior to excavation, the existing 4-inch thick reinforced concrete floor slab overlying the soil removal area was saw-cut, removed, and temporarily stockpiled prior to disposal. Soil excavation activities were conducted by DECON between July 2 and 16, 2007 using hand-held equipment, a mini excavator, and a Bobcat loader. The extent of the excavation is shown on Plate 3.

Based on the results of previous investigations, soil affected with concentrations of PCE in excess of the target cleanup goal was excavated from an area having plan dimensions of approximately 180 square feet to a depth of approximately 5.5 feet bgs (Plates 3 and 4). Soil was evaluated for the presence of VOCs at the time of excavation based on screening using a photoionization detector (PID). The excavation extended laterally to the edges of saw-cut concrete and vertically to an approximate depth of 5.5 feet bgs. Groundwater was not encountered during excavation activities.

In accordance with T&R's recommendations, soil excavation conducted adjacent to the footing consisted of slot trenches, which were oriented perpendicular to the footing (Plate 3). The slots were backfilled by placing controlled density fill (CDF) from the trench bottom up to the building pad subgrade elevation (the elevation of the bottom of the concrete floor slab) before

proceeding to the adjacent slot trench. The CDF was allowed to cure for at least 24 hours prior to excavating an adjacent trench. The soil removal was completed using five excavation areas, as shown on Plate 3.

A total of approximately 37 cubic yards of soil was removed. The excavated soil was placed into plastic-lined roll-off bins and temporarily stored in the parking lot outside of the tenant space pending offsite disposal. A discussion of the analytical results for the soil verification samples is presented in Section 4.3, below.

4.3 Verification Soil Sampling

4.3.1 Methodology

To confirm that the cleanup goals were achieved, verification soil samples were collected from excavation sidewalls and bottom for laboratory analysis. Sample handling, labeling, documentation and chain of custody procedures were performed as described in the Verification Sampling and Analysis Plan presented in Appendix C of the RAW. The excavation was divided into five cells (A1, A2, B1, B2, B3) to ensure that the number and placement of bottom and sidewall verification samples was sufficient and appropriate.

To collect the verification soil samples, soil was collected from the excavation bottom or sidewall using the bucket of a mini excavator, a hand-held impact sampler, or an Encore® soil sampler pressed directly into fresh soil on the sidewall. An Encore® sampler was also used to collect samples from soil obtained using the mini excavator or hand-held impact sampler.

One sidewall soil sample was collected for approximately every 4 to 7 linear feet of non-excavated sidewall (i.e., sidewall soil to remain in-place). Samples were collected at depths corresponding to areas exhibiting field indications of potential contamination (i.e., the highest PID readings, if any) and at depths where samples from previous investigations indicated contaminants were present. As shown on Plate 4, the sidewalls were given designations of sidewall 1 through sidewall 5. A total of 12 sidewall soil samples were collected at depths ranging from 2 to 4 feet bgs. Sample IDs and locations are summarized in Table 1 and shown graphically on Plate 4. Two sidewall samples were collected directly beneath the sanitary sewer pipeline to assess whether the backfill material around this line was a preferential pathway for contaminant migration. Additional excavation was conducted in two sidewall areas because of elevated concentrations of PCE in soil samples B3-S3-4.0 and B3-S5-2.0. After the additional excavation was performed, these samples were subsequently replaced by soil samples B3-S3-4.0-1.0 and B3-S5-2.0-1.0, respectively (see Plate 4).

Excavation bottom samples were collected at an approximate frequency of one discrete sample for every 30 to 40 square feet of excavation bottom. As shown on Plate 4, bottom samples were collected in a systematic sample grid labeled as Excavation Cells A1, A2, B1, B2, and B3. A total of 6 excavation bottom verification soil samples from 5 separate locations (i.e., one located per excavation cell) were collected at depths ranging from 5.5 to 6.5 feet bgs (see

Plate 4 and Table 1 for sample identifications and locations). As requested by ACEH, the three bottom samples in Cells B1, B2, and B3 were located beneath the sanitary sewer line. Additional excavation was not necessary on the bottom of the excavation because, as discussed below, results for these verification samples were below the target soil cleanup goals.

Verification soil samples were analyzed for VOCs using U.S. EPA Test Method 5035/8260B with a halogenated VOC list (i.e., EPA 8010 list) of analytes.

4.3.2 Laboratory Analytical Results

Excavation bottom and sidewall verification soil sample analytical results are summarized in Table 1 and graphically displayed on Plate 4. Copies of the laboratory analytical reports and chain-of-custody documentation are presented in Appendix C. The only VOCs detected in the verification samples were PCE, TCE, and cis-1,2-DCE. The maximum detected concentrations of TCE (28 μg/kg) and cis-1,2-DCE (13 μg/kg) in bottom and sidewall samples were significantly below their target cleanup goals (460 and 190 μg/kg, respectively). A discussion of the PCE results is presented below.

Detected concentrations of PCE in the excavation bottom samples ranged from 7.3 to 97 μg/kg (below the target cleanup goal of 240 μg/kg).

PCE concentrations in eight of the initial ten excavation sidewall samples were below the target cleanup goal and ranged from non-detect to 220 μg/kg. As noted above in Section 4.2, the concentrations of PCE in two of the initial sidewall samples were above the target cleanup goal of 240 μg/kg. The elevated concentrations of PCE were detected in sidewall samples B3-S3-4.0 (310 μg/kg) and B3-S5-2.0 (340 μg/kg). Additional excavation was conducted at these two sidewall areas to remove an approximately 1-foot thick section of soil, and two new verification samples were obtained after the additional excavation was completed. PCE concentrations in the new sidewall samples were 93 μg/kg (B3-S3-4.0-1.0) and 74 μg/kg (B3-S5-2.0-1.0). After completing the additional sidewall excavation, all verification soil samples met the target cleanup goal.

4.4 Excavation Backfilling Activities

Following completion of the soil excavation and verification that soil sample results met target soil cleanup goals, the excavation subareas were backfilled with CDF. The five subareas are shown on Plate 3. Backfilling with CDF was conducted during the following three events:

- On July 6, 2007, the initial slot trench (Subarea 1) adjacent to the footing was backfilled;
- On July 12, 2007, the remainder of the originally-planned excavation area, including the second slot trench (Subareas 2 and 3), was backfilled; and

- On July 19, 2007, the two areas of additional sidewall excavation (Subareas 4 and 5) were backfilled.

During each of these backfilling events, the CDF was pumped from a truck directly into the excavation at a pressure of approximately 150 pounds per square foot (psf). CDF placement during the first two pour days was observed by T&R.

4.5 Waste Management, Characterization, and Disposal

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

4.5.1 Soil

The soil generated during excavation activities was placed directly into plastic-lined, covered soil bins pending characterization for off-site disposal. A four-point composite soil sample was collected from the first full bin for waste characterization purposes. This sample was analyzed for:

- VOCs using U.S. EPA Test Method 5035/8260B with a halogenated VOC list (i.e., EPA 8010 list) of analytes; and

- Title 22 Metals using U.S. EPA Test Methods 6010B and 7471 for mercury.

A copy of the laboratory analytical report and chain-of-custody documentation for the soil waste characterization composite sample is presented in Appendix C.

As of September 10, 2007 (i.e., the submittal date of this report), the soil generated during excavation activities had not yet been accepted for disposal. Final disposal documentation for this soil (i.e., waste manifests) will be submitted at a later date under separate cover.

4.5.2 Concrete Rubble

The concrete removed during soil excavation activities was temporarily stockpiled on plastic sheeting within the access alley just east of Sparkle Cleaners pending characterization for off-site disposal. A concrete sample was collected for waste classification purposes from the stockpile. The sample was analyzed for VOCs using U.S. EPA Test Method 5035/8260B with a halogenated VOC list (i.e., EPA 8010 list) of analytes. No VOCs were detected. A copy of the laboratory analytical report and chain-of-custody documentation for the concrete sample is presented in Appendix C.

The concrete was disposed off-site as non-hazardous waste at Diablo Valley Concrete Disposal in Martinez, California.

4.6 Site Reconstruction

Upon completion of soil excavation and backfilling activities, reconstruction of the tenant space commenced with the replacement of the 4-inch thick concrete floor slab. The concrete floor slab reinforcement consisted of No. 4 rebar placed on 16-inch centers along with ¾-inch diameter by 1-foot 2-inch long smooth steel dowels that were placed every 12 inches along the perimeter edge of the existing concrete slab. The dowels were installed by drilling and setting the dowels into the existing concrete slab using epoxy.

Following adequate curing of the replacement concrete floor slab, the temporary wooden-framed wall was removed. The plastic sheeting, which was previously installed above the temporary wooden-framed wall at the onset of the project, was removed and disposed. Equipment associated with the remedial work was removed from the site, and the work areas were cleaned and restored to their prior condition.

5.0 GROUNDWATER MONITORING WELL INSTALLATION

As part of the RAW, four monitoring wells were installed on July 23 and 24, 2007 to evaluate groundwater conditions in the vicinity of Sparkle Cleaners. The wells were subsequently developed and sampled in early August 2007. The locations of the wells are shown on Plate 2. Details of the well installation, development, sampling activities, and analytical results will be presented in a subsequent report.

6.0 CONCLUSIONS

Remediation of soil at the Sparkle Cleaners site was completed between July 2 and 16, 2007. The remediation was conducted in accordance with the approved RAW. On the basis of the results presented in this report, the following major elements of the RAW have been successfully implemented and completed:

- Excavation of approximately 37 cubic yards of VOC-affected soil, including soil containing concentrations of VOCs in excess of target soil cleanup goals;
- Proper handling and management of the contaminated soil and concrete rubble;
- Collection of verification soil samples from excavation sidewalls and bottom;
- Chemical analyses of the verification soil samples;
- Comparison of the verification sample results with target soil cleanup goals to confirm the cleanup goals have been met;
- Backfilling the excavations;

- Replacement of the concrete floor slab; and
- Installation of a groundwater monitoring well network.

Successful implementation of the RAW was accomplished. Soil with concentrations of VOCs in excess of target soil cleanup goals was removed from the site. Based on the prior investigation data and the excavation verification sample data, no further investigation or remediation appears warranted for the interior of Sparkle Cleaners. Details of the well installation, development, and sampling activities will be presented under separate cover in the quarterly report that is due to the ACEH by the end of October 2007.

7.0 REFERENCES

Alameda County Environmental Health (ACEH), 1995. *Remedial Action Completion Certification, J.C. Penney Store, 1 Eastmont Mall, Oakland, CA*. February 10.

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California Regional Water Quality Control Board – San Francisco Bay Region, 2005. *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*. February 2005.

EBI Consulting, 2004. *Phase II Limited Subsurface Investigation Report, Eastmont Town Center, 7200 Bancroft Avenue, Oakland, California*. December 22.

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TABLE

Table 1
Summary of Excavation Verification Soil Sample Results - Volatile Organic Compounds [(1)]
Sparkle Cleaners
7200 Bancroft Avenue
Eastmont Town Center
Oakland, California

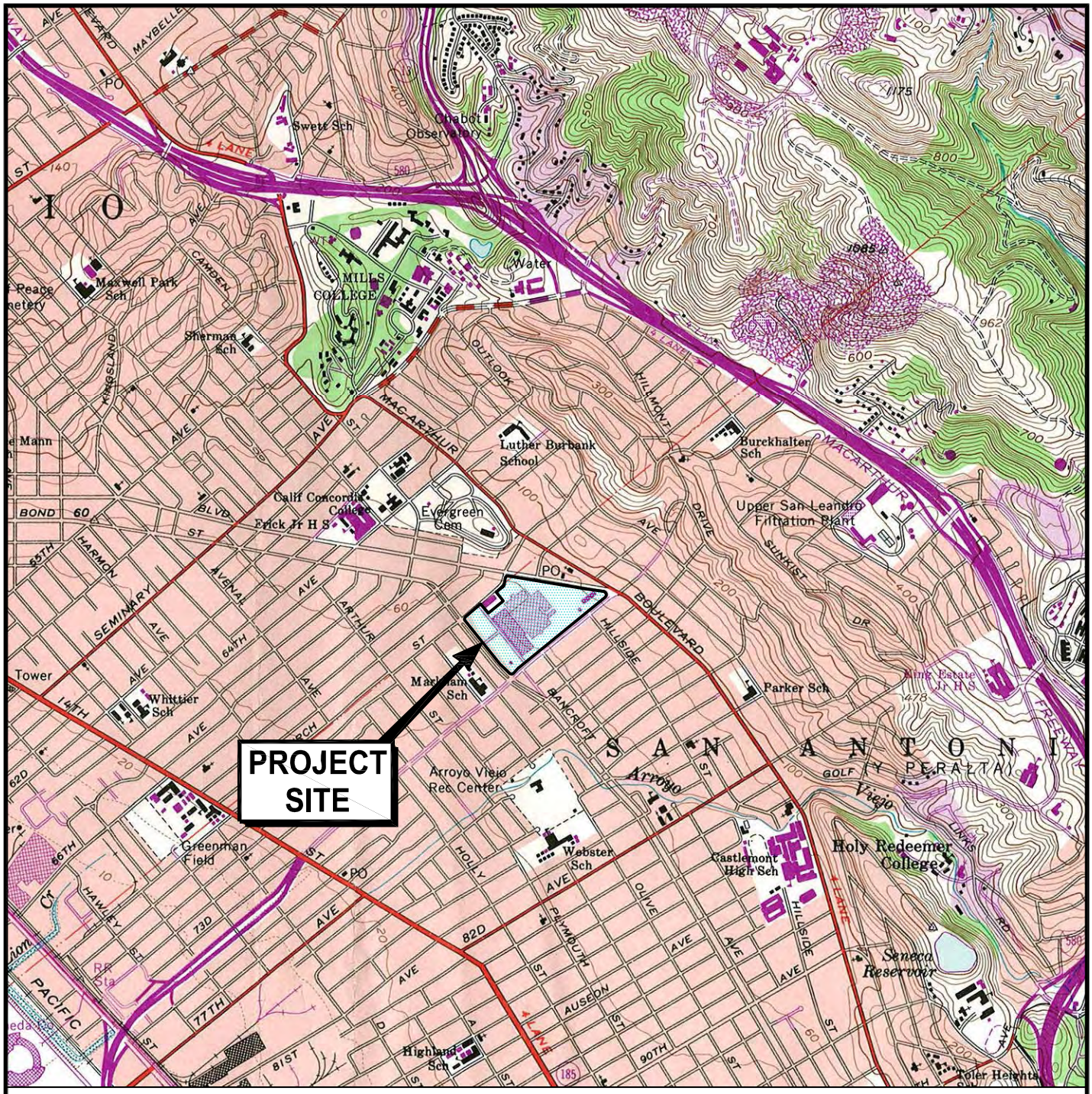
Excavation Cell Designation	Sample Designation	Sample Depth (feet bgs)	Sample Type	Date Collected	PCE (µg/kg)	TCE (µg/kg)	cis-1,2-DCE (µg/kg)
A1	A1-S1-3.5	3.5	Sidewall	7/11/2007	**40**	ND(4.3)	ND(4.3)
	A1-S2-4.0	4	Sidewall	7/11/2007	ND(4.6)	**28**	**6.4**
	A1-B1-5.5	5.5	Bottom	7/11/2007	**7.5**	ND(4.6)	ND(4.6)
A2	A2-S1-3.5	3.5	Sidewall	7/5/2007	**180**	ND(4.3)	ND(4.3)
	A2-S5-4'	4	Sidewall	7/5/2007	**220**	ND(4.4)	ND(4.4)
	A2-B1-5.5'	5.5	Bottom	7/5/2007	**84**	ND(4.1)	ND(4.1)
B1	B1-S2-2.0	2	Sidewall	7/11/2007	**16**	**7.4**	ND(4.3)
	B1-S3-3.0	3	Sidewall	7/11/2007	**150**	**9.8**	ND(4.7)
	B1-B1-5.5	5.5	Bottom	7/11/2007	**97**	ND(4.3)	ND(4.3)
B2	B2-B1-5.5	5.5	Bottom	7/5/2007	**70**	ND(4.6)	ND(4.6)
B3	B3-S3-4.0 [(2)]	4	Sidewall	7/9/2007	**310**	ND(4.2)	ND(4.2)
	B3-S3-4.0'-1.0'	4	Sidewall Stepout	7/16/2007	**93**	ND(4.4)	ND(4.4)
	B3-S4-3.0	3	Sidewall	7/9/2007	ND(4.9)	**15**	**12**
	B3-S6-3.5 [(3)]	3.5	Sidewall	7/9/2007	ND(4.6)	**7.9**	**13**
	B3-S5-2.0	2	Sidewall	7/9/2007	**340**	**26**	ND(4.8)
	B3-S5-2.0'-1.0'	2	Sidewall Stepout	7/16/2007	**74**	**5.0**	ND(4.0)
	B3-B1-5.5	5.5	Bottom	7/9/2007	**7.3**	ND(4.8)	ND(4.8)
	B3-B1-6.5 [(4)]	6.5	Bottom	7/9/2007	**22**	ND(4.5)	ND(4.5)
				Target Soil Cleanup Goals:	**240**	**460**	**190**

Notes:

PCE = Tetrachloroethene
TCE = Trichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
µg/kg = micrograms per kilogram
feet bgs = feet below ground surface
ND(4.4) = Compound not detected at or above the indicated laboratory reporting limit
All other volatile organic compounds were not present at or above respective laboratory reporting limits.
- Equals or exceeds the target soil cleanup goals.

(1) = All samples were analyzed for volatile organic compounds by U.S. EPA Test Method 5035/8260B using Test Method 8010 list of analytes.
(2) = The excavation sidewall soil represented by this verification soil sample was removed during further lateral excavation, which was conducted until a subsequent sidewall soil sample was collected that contained chemical concentrations below the target soil cleanup goals.
(3) = Sample was inadvertently given a designation as sidewall 6 (i.e., S6) rather than the correct designation as sidewall 4 (i.e., S4).
(4) = Sample was inadvertently analyzed. Analysis was not required because the concentration of PCE in the shallower sample (i.e., sample B3-B1-5.5) was below the cleanup goal.

ILLUSTRATIONS



U.S.G.S. Topo Map - Oakland East, California, 7.5-minute quadrangle. Map version 1959; current as of 1980.

PES Environmental, Inc.
Engineering & Environmental Services

Site Location Map
Eastmont Town Center
7200 Bancroft Avenue
Oakland, California

PLATE
1

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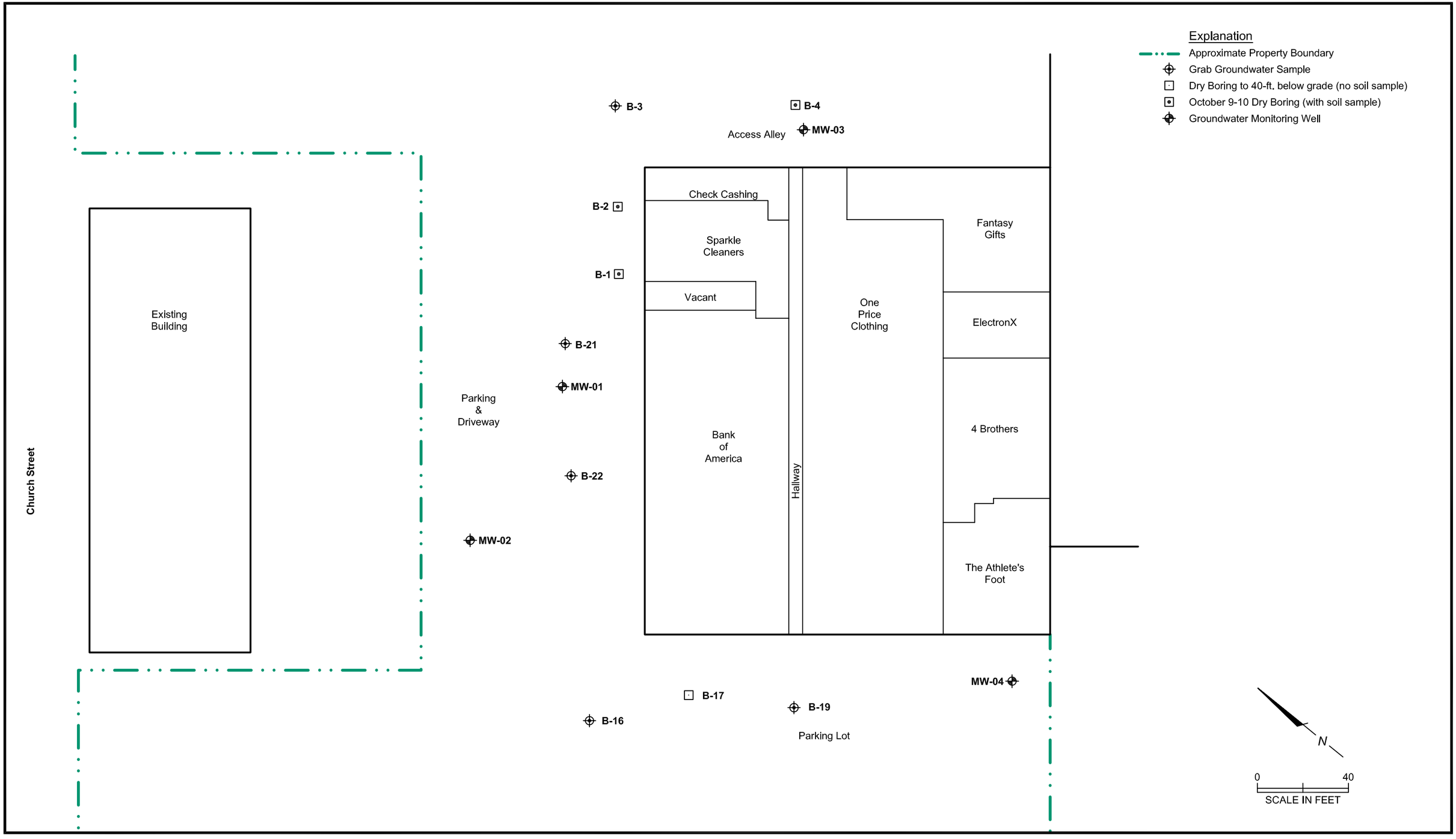
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

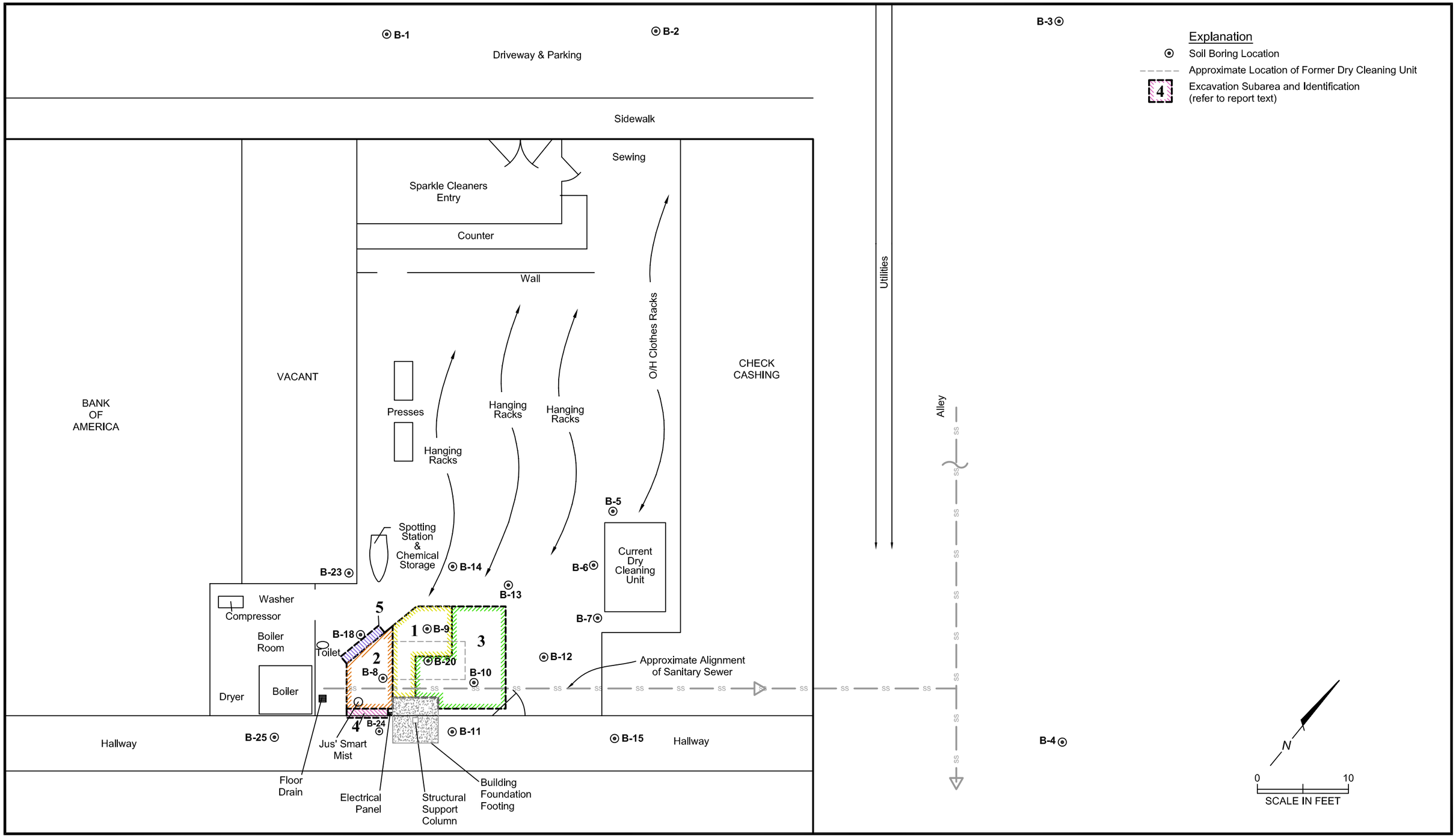


PES Environmental, Inc.
Engineering & Environmental Services

Site Plan and Exterior Sampling Locations
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE
2

881.060.02.005	881-06002005_RAI	WWM	9/07
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

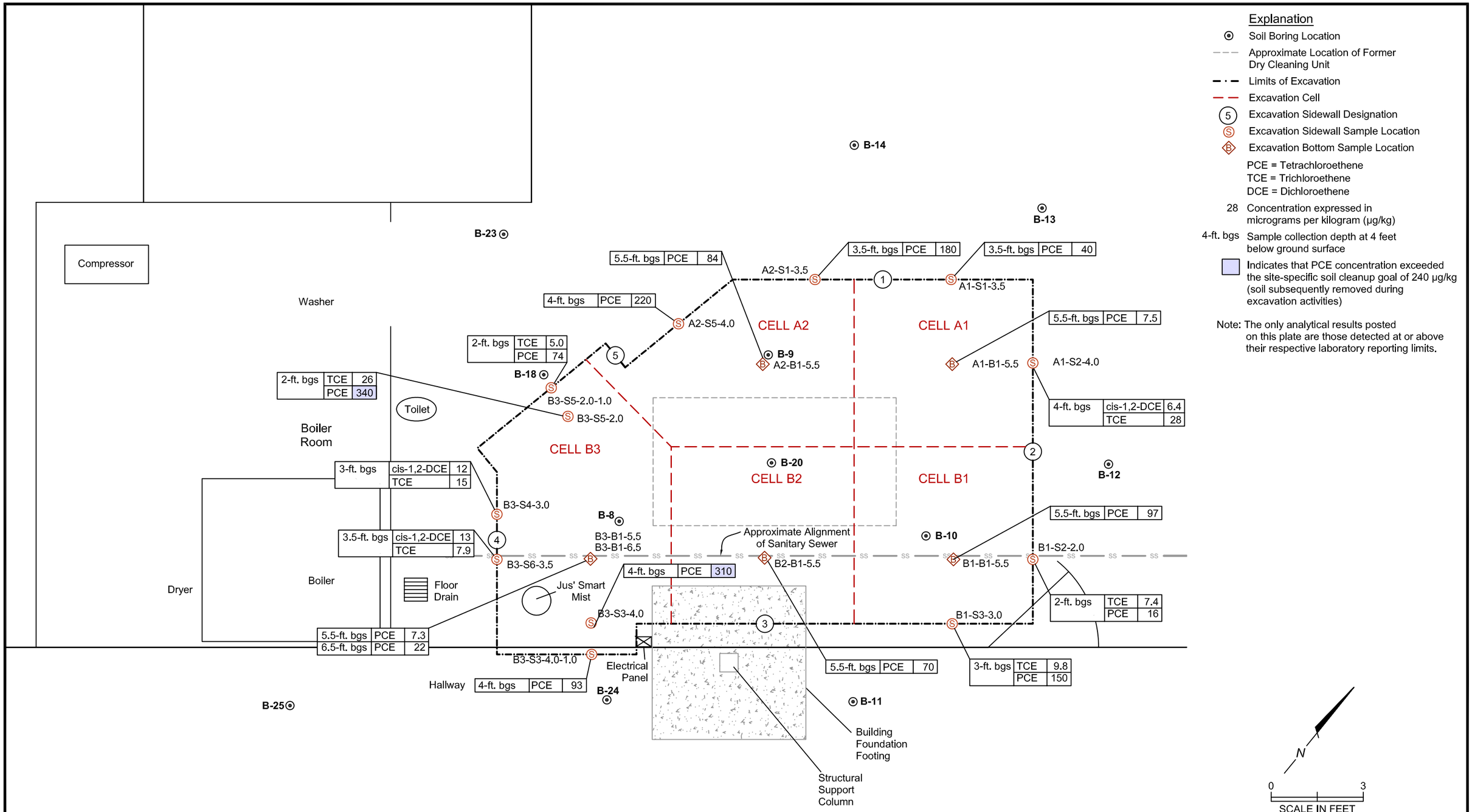


PES Environmental, Inc.
Engineering & Environmental Services

Interior Detail and Excavation Subareas
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE
3

881.060.02.005	881-06002005_RAI	WWM	9/07
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



PES Environmental, Inc.
Engineering & Environmental Services

Limits of Soil Excavation and Verification Sample Analytical Results
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE
4

881.060.02.005	881-06002005_RAI	WWM	9/07
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

APPENDIX A

ALAMEDA COUNTY ENVIRONMENTAL HEALTH
REMEDIAL ACTION WORKPLAN 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) 337-9335

February 27, 2007

Mr. Bill Sumski
Eastmont Town Center, LLC
7200 Bancroft Avenue
Oakland, CA 94605-2403

Mr. Todd Gooding
Scanlankemperbard Companies
1211 SW Fifth, Suite 2600
Portland, OR 97204

Post-It™ brand fax transmittal memo 7671 | # of pages ▸ 6

To Will Mast	From Jerry Wickham
Co. PES	Co. ACEH
Dept.	Phone # 510-567-6791
Fax # 415-899-1601	Fax # 510-337-9335

Subject: SLIC Case RO0002942 and Geotracker Global ID SLT19735483, Sparkle Cleaners, 7000 Bancroft Avenue, Oakland, CA 94605 – Work Plan Approval

Dear Mr. Sumski and Mr. Gooding:

Alameda County Environmental Health (ACEH) staff has reviewed the Spills, Leaks, Investigations, and Cleanups (SLIC) case file for the above referenced site including the work plan entitled, "Remedial Action Workplan, Voluntary Soil Remediation, Sparkle Cleaners, Eastmont Town Center," dated January 5, 2007, and prepared by PES Environmental, Inc. Tetrachloroethene (PCE) is present at elevated concentrations in soil in the area of a former dry cleaning unit at Sparkle Cleaners. PCE was also detected in soil vapor and groundwater at concentrations that exceed applicable regulatory criteria. The Work Plan proposes excavation of soil beneath Sparkle Cleaners and groundwater monitoring following the soil remediation. The proposed scope of work is acceptable provided that the technical comments below are addressed and incorporated during the remedial action and groundwater monitoring. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan or technical comments below is proposed.

We request that you address the following technical comments, perform the proposed work, and send us the reports described below. Please provide 72-hour advance written notification to this office (e-mail preferred to jerry.wickham@acgov.org) prior to the start of field activities.

TECHNICAL COMMENT

1. **Soil Excavation and Confirmation Sampling.** The Work Plan proposes the removal of soil from an area approximately 165 square feet in size to a depth of approximately 5.5 feet. The excavation is to be expanded laterally and vertically as necessary to remove visually stained or odor-impacted soil and soil with concentrations of PCE that exceed the proposed cleanup goal. The number and distribution of confirmation soil samples proposed in the work plan is acceptable; however, we wish to clarify several points. The sidewall samples are to be collected from the depths at which the greatest contamination is observed during excavation and screening of the soils. As an example, if the greatest visual staining, odor, and PID readings are observed at a depth of 3 feet bgs along a sidewall, the confirmation samples from the sidewall are to be collected from a depth of 3 beet bgs. Additional

confirmation soil samples beyond those proposed are to be collected if highly variable soil conditions are observed or the extent of contamination appears to be highly variable. In addition, confirmation samples are to be collected beneath the sanitary sewer line at the two locations where the sanitary sewer line exits the excavation in order to assess whether the sanitary sewer line is potential source of solvent releases. Confirmation soil samples are also to be collected along any other features such as backfilled utility trenches that could potentially act as preferential pathways. Please present the results of the soil excavation and confirmation soil sampling in the Soil Removal and Monitoring Well Installation Report requested below.

2. **Soil Vapor Sampling.** PCE was detected in nine of the ten soil vapor samples collected at the site. PCE was detected at concentrations that exceed the San Francisco Bay Regional Water Quality Control Board Shallow Soil Gas Screening Levels for Evaluation of Potential Vapor Intrusion Concerns (RWQCB, San Francisco Bay Region, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, February 2005) in four of the ten soil vapor samples collected. If soil contamination with concentrations that exceed the proposed cleanup goal are left in place due to structural features or utilities, soil vapor sampling may be required to confirm that the residual contamination does not pose a human health threat for indoor vapor intrusion. Soil vapor sampling may also be required if observations during excavation or confirmation sampling results indicate that the sanitary sewer line was a potential source of solvent releases.

3. **Groundwater Flow Direction and Proposed Well Locations.** The apparent hydraulic gradient (west-northwest) observed during previous investigations at the site does not appear to be consistent with the expected regional groundwater flow direction. A west-northwest hydraulic gradient is also not consistent with the hydraulic gradients observed at two nearby fuel release sites at 7225 Bancroft Avenue and 7210 Bancroft Avenue. Four monitoring wells are proposed in the area west of Sparkle Cleaners. Due to uncertainty in groundwater flow direction for the site, we request that the proposed locations for wells MW-03 and MW-04 be revised as shown on the attached Revised Figure 4.

4. **Proposed Monitoring Well Construction.** The Work Plan proposes to install 2-inch diameter monitoring wells to depths of approximately 50 feet bgs, which is assumed to be approximately 10 feet into the first encountered groundwater. The installation of wells to depths of approximately 10 feet below first encountered groundwater and following Alameda County Public Works Department Guidelines and State of California standards is acceptable. We request that the filter packs for the monitoring wells not exceed 15 feet in length. The Work Plan does not include plans for laboratory analysis of soil samples. We request that soil samples be collected for laboratory analysis if visible staining, odor, or elevated PID readings are observed during advancement of the soil borings. If visible staining, odor, or elevated PID readings are observed, a sufficient number of soil samples must be collected to characterize the vertical interval over which the contamination occurs. Please present boring logs, well completion diagrams, and all other results from the monitoring well installation in the Soil Removal and Monitoring Well Installation Report requested below.

5. **On-site Industrial Well.** A Site Map labeled Figure 2, which appears to be from a report by Artesian Environmental Consultants dated August 27, 1993 and is attached to the work

plan, identified an industrial water well southeast of Sparkle Cleaners. A review of a Water Well Driller's report in ACEH files, indicates that an industrial well was installed at the site in 1951. The well, which was perforated from 90 to 393 feet bgs, was 12 inches in diameter. A notation on the Well Driller's Report indicates that the well was located 250 feet east of Bancroft Avenue and 650 feet north of 73rd Avenue, which would place the well south of Sparkle Cleaners. Please indicate whether this well was decommissioned and discuss the potential for this well to be a receptor for groundwater contamination from the site.

6. **Assembly Plant USTs.** A Phase II Limited Subsurface Investigation Report, dated December 22, 2004 and prepared by EBI Consulting, indicates that a Chevrolet Fisher Body Plant occupied the site from 1916 to 1965 and that five USTs were in use at the site. Please describe the locations of the former assembly plant USTs in relation to Sparkle Cleaners.

7. **Boring Logs and Cross Sections.** The workplan prepared by PES Environmental, Inc. does not include boring logs. Please submit boring logs for the soil borings completed during the 2006 investigation. Preparation of boring logs is a fundamental step required in the characterization of site geology and hydrogeology and is required for the proposed monitoring wells. Please include soil boring logs for the monitoring wells in the Soil Removal and Monitoring Well Installation Report requested below.

8. **Geotracker EDF Submittals.** Pursuant to CCR Sections 2729 and 2729.1, beginning September 1, 2001, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the LUFT program, must be transmitted electronically to the SWRCB Geotracker website via the internet. Additionally, beginning January 1, 2002, all permanent monitoring points utilized to collected groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude accurate to within 1-meter accuracy, using NAD 83, and transmitted electronically to the SWRCB Geotracker website. Beginning July 1, 2005, electronic submittal of a complete copy of all reports (LUFT or SLIC) is required in Geotracker (in PDF format). In order to remain in regulatory compliance, please upload all SLIC analytical data and copies of reports post July 1, 2005, to the SWRCB's Geotracker database website in accordance with the above-cited regulation.

TECHNICAL REPORT REQUEST

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

- **July 12, 2007** – Soil Removal and Monitoring Well Installation Report
- **90 Days following the end of each quarter** – Groundwater Monitoring 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

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. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

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. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for 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 monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was 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.

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.

Sincerely,

Jerry Wickham, P.G.
Hazardous Materials Specialist

Attachment: Revised Figure 4 with Proposed Monitoring Well Locations

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Mr. Bob Bridwell
Eastmont Town Center, LLC
7200 Bancroft Avenue
Oakland, CA 94605-2403

Mr. Will Mast
PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 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

GEOTECHNICAL DOCUMENTATION

Treadwell&Rollo

20 June 2007
Project No. 4661.01

Mr. Gary Thomas
PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, California 94608

Subject: Geotechnical Consulation
During Environmental Remediation of the Sparkle Cleaners Site
Eastmont Town Center
7000 Bancroft Avenue
Oakland, California

Dear Mr. Thomas:

This letter presents our geotechnical consultation provided for the environmental remediation activities planned for the Sparkle Cleaners facility at the Eastmont Town Center in Oakland. The purpose of our services is to assist with the evaluation of the impact of the excavation near the existing footing and provide recommendations regarding assessment, shoring, and backfill procedures to reduce adverse impacts of the excavation on the existing footing. Our services were performed in accordance with our proposal dated 14 June 2007.

BACKGROUND

The Sparkle Cleaners tenant space occupies approximately 1,800 square feet in the northwest portion of Eastmont Town Center. The planned remediation procedure consists of: (1) removing the existing concrete floor slab, (2) excavating and removing contaminated soil that extends to an approximate depth of 5.5 feet bgs, (3) collecting confirmation soil samples from the excavation bottom and sidewalls, (4) analyze the confirmation soil samples to verify the target soil cleanup concentration has been met (analytical test results will be available within 24 hours of sampling), and (5) backfilling the excavation. The estimated area of excavation is approximately 165 square feet and extends vertically downward to approximately 5.5 feet below the ground surface (bgs). The soil to be excavated will consists of stiff clay above the groundwater table. The soil removal will require excavation adjacent to one structural building column/footing. In addition, a sanitary sewer line runs through the proposed excavation area.

CONCLUSIONS AND RECOMMENDATIONS

Based on our evaluation of the proposed remediation procedures, we conclude that there is a potential for destabilizing the column footing located adjacent to the planned excavations. Specific adverse impacts may include:

- Reduction of lateral confinement when the planned excavation exposes the face of footing. This could result in a reduction of vertical and lateral load resistance capacity of the footing
- Reduction and/or loss of bearing capacity when excavation adjacent to the footing extends below the bottom of the footing.
- Settlement due to possible loss of soil into the excavation (cave in).

To reduce the potential for these adverse impacts, we recommend using excavation and backfilling procedures that will limit the amount of disturbance to the soil adjacent to and below the existing column footing. Specifically, the planned excavation should be excavated using slot trenches that are not greater than three feet wide and oriented in a direction perpendicular to the face of existing footing.

Furthermore, we recommend sequencing the excavation of slot trenches so that only one slot trench per footing is open at a time. A representative of Treadwell & Rollo should be present during the beginning of the excavation activities to check that the sidewalls and the column footing remain stable during the excavation process. Excavated trenches should be backfilled with control density fill (CDF) to building pad subgrade elevation. The CDF should be allowed to harden and gain strength for at least 24 hours before new slot trenches are excavated adjacent to the recently placed CDF.

Temporary Shoring

Excavations that will be deeper than five feet and will be entered by workers should be shored or sloped in accordance with CAL-OSHA standards (29 CFR Part 1926). We judge that temporary cuts in native soil which are less than six feet high and inclined no steeper than 1.5:1 (horizontal: vertical) will be stable provided that they are not surcharged by equipment or building material. Sloped cuts should not be used adjacent to the existing column footing. Instead, temporary speed shoring should be considered for use in slot trenches or at locations where temporary slopes are not possible because of space constraints. The contractor should be responsible for the construction, design, and safety of temporary slopes and shoring.

Backfill Recommendations

As discussed above, excavated slots adjacent to footings should be backfilled with CDF to building pad subgrade elevation. CDF, also known as flowable fill, is a mixture of Portland cement, fly ash, fine aggregate, air entraining admixtures, and water. We recommend the CDF be designed to develop a 7-day unconfined compressive strength of at least 100 pounds per square inch (psi).

We trust this letter provides the information you need at this time. If you have any questions, please call.

Sincerely yours,
TREADWELL & ROLLO, INC.

Linda H. Liang
Senior Engineer

Dean H. Iwasa
Senior Associate

46610101.OAK

Treadwell&Rollo

24 July 2007
Project No. 4661.01

Mr. Gary Thomas
PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, California 94608

Subject: Geotechnical Services during Construction
Environmental Remediation of the Sparkle Cleaners Site
Eastmont Town Center
7000 Bancroft Avenue
Oakland, California

Dear Mr. Thomas:

This letter summarizes our geotechnical services provided during the environmental remediation of the Sparkle Cleaners facility at the Eastmont Town Center in Oakland. Previously, we performed a geotechnical consultation for this project and presented our recommendations in a letter dated 20 June 2007.

The Sparkle Cleaners tenant space occupies approximately 1,800 square feet in the northwest portion of Eastmont Town Center. The remediation procedure consists of: (1) removing the existing concrete floor slab, (2) excavating and removing contaminated soil that extends to an approximate depth of 5.5 feet bgs, (3) collecting confirmation soil samples from the excavation bottom and sidewalls, (4) analyzing the confirmation soil samples to verify the target soil cleanup concentration has been met, and (5) backfilling the excavation. The estimated area of excavation is approximately 165 square feet and extends vertically downward to approximately 5.5 feet below the ground surface (bgs).

SCOPE OF SERVICES

Our geotechnical services during construction were performed in accordance with our proposal dated 14 June 2007. The purpose of our services was to check that the geotechnical recommendations for the project, which were presented in our letter dated 20 June 2007, were carried out during construction. We performed the following services:

- provided part-time observation during excavation and backfill of slot trenches
- consulted with project team regarding geotechnical issues that arose during construction
- prepared this final letter summarizing our construction observations and conclusions.

Our field engineer performed intermittent site visits between 3 July and 16 July 2007 to observe the excavation and backfill of slot trenches. We observed the work performed by DECON Environmental Services, Inc. (DECON), the subcontractor for site excavation and backfill placement.

SUMMARY OF GEOTECHNICAL OBSERVATIONS DURING CONSTRUCTION

Between 3 July and 16 July 2007, we visited the site on a part-time basis to observe the excavation of slot trenches adjacent to existing footings. The soil excavated consisted of stiff clay and no groundwater was encountered. The sidewall and the bottom of the excavations looked firm and unyielding. In general, slot trenches were excavated according to our recommendations and were backfilled with control density fill (CDF). The CDF was placed from the top of the trenches and was allowed to cure for 24 hours before excavating adjacent slot trenches.

CONCLUSIONS

We conclude that the soil excavation and fill placement were performed in accordance with our geotechnical recommendations. On the basis of our observations, the slot trench proceeded without adverse impacts to the existing footing, and the backfill with CDF adequately support the anticipated building floor slab.

We appreciate the opportunity to provide geotechnical services for this project. If you have any questions, please contact us.

Sincerely yours,
TREADWELL & ROLLO, INC.

Linda H. Liang
Geotechnical Engineer

46610102.OAK

APPENDIX C

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

ANALYTICAL REPORT

Job Number: 720-9806-1

Job Description: Sparkle Cleaner Site Oakland

For:
PES Environmental, Inc.
1682 Novato Boulevard
Suite 100
Novato, CA 94947-7021

Attention: Mr. Will Mast

Afsaneh Salimpour
Project Manager I
asalimpour@stl-inc.com
07/10/2007

cc: Mr. Gary Thomas

Project Manager: Afsaneh Salimpour

Job Narrative
720-J9806-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: The matrix spike and matrix spike duplicate (MS/MSD) recoveries for sample 9579-10 were outside control limits. The associated laboratory control standard (LCS) met acceptance criteria.

Method 8260B: Surrogate and internal standard recoveries for samples 9579-8, 10, 11, 13, 14, 15, and 16 were outside control limits due to matrix interference; re-analysis was performed.

Method 8260B: Samples 720-9806-2 and 3 had PCE concetrations over the calibration range. Hence, results are reported as estimated. (High level methanol extraction was also performed on both samples and the results were ND at higher RL.)

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: PES Environmental, Inc. Job Number: 720-9806-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-9806-2	**A2-S1-3.5'**				
Tetrachloroethene		180	4.3	ug/Kg	8260B
720-9806-3	**A2-S5-4'**				
Tetrachloroethene		220	4.4	ug/Kg	8260B
720-9806-4	**A2-B1-5.5'**				
Tetrachloroethene		84	4.1	ug/Kg	8260B
720-9806-6	**B2-B1-5.5'**				
Tetrachloroethene		70	4.6	ug/Kg	8260B

METHOD SUMMARY

Client: PES Environmental, Inc. Job Number: 720-9806-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS (Low Level)	STL SF	SW846 8260B	
Purge and Trap for Solids	STL SF		SW846 5030B
Closed System Purge & Trap/Laboratory	STL SF		SW846 5035

LAB REFERENCES:

STL SF = STL San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: PES Environmental, Inc. Job Number: 720-9806-1

Method	Analyst	Analyst ID
SW846 8260B	Le, Lien	LL

SAMPLE SUMMARY

Client: PES Environmental, Inc. Job Number: 720-9806-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-9806-1	CONCRETE	Solid	07/05/2007 1430	07/05/2007 1828
720-9806-2	A2-S1-3.5'	Solid	07/05/2007 1615	07/05/2007 1828
720-9806-3	A2-S5-4'	Solid	07/05/2007 1630	07/05/2007 1828
720-9806-4	A2-B1-5.5'	Solid	07/05/2007 1635	07/05/2007 1828
720-9806-6	B2-B1-5.5'	Solid	07/05/2007 1715	07/05/2007 1828

Client: PES Environmental, Inc. Job Number: 720-9806-1

Client Sample ID: **CONCRETE**

Lab Sample ID: 720-9806-1 Date Sampled: 07/05/2007 1430
Client Matrix: Solid Date Received: 07/05/2007 1828

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-23467 Instrument ID: Agilent 75MSD
Preparation: 5030B Lab File ID: 070507033.D
Dilution: 1.0 Initial Weight/Volume: 5.08 g
Date Analyzed: 07/06/2007 0041 Final Weight/Volume: 10 mL
Date Prepared: 07/06/2007 0041

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.9
1,1-Dichloroethane		ND		4.9
Dichlorodifluoromethane		ND		9.8
Vinyl chloride		ND		4.9
Chloroethane		ND		9.8
Trichlorofluoromethane		ND		4.9
Methylene Chloride		ND		9.8
trans-1,2-Dichloroethene		ND		4.9
cis-1,2-Dichloroethene		ND		4.9
Chloroform		ND		4.9
1,1,1-Trichloroethane		ND		4.9
Carbon tetrachloride		ND		4.9
1,2-Dichloroethane		ND		4.9
Trichloroethene		ND		4.9
1,2-Dichloropropane		ND		4.9
Dichlorobromomethane		ND		4.9
trans-1,3-Dichloropropene		ND		4.9
cis-1,3-Dichloropropene		ND		4.9
1,1,2-Trichloroethane		ND		4.9
Tetrachloroethene		ND		4.9
Chlorodibromomethane		ND		4.9
Chlorobenzene		ND		4.9
Bromoform		ND		4.9
1,1,2,2-Tetrachloroethane		ND		4.9
1,3-Dichlorobenzene		ND		4.9
1,4-Dichlorobenzene		ND		4.9
1,2-Dichlorobenzene		ND		4.9
Chloromethane		ND		9.8
Bromomethane		ND		9.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.9
EDB		ND		4.9
1,2,4-Trichlorobenzene		ND		4.9

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	101	70 - 130
4-Bromofluorobenzene	101	60 - 140
1,2-Dichloroethane-d4 (Surr)	107	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9806-1

Client Sample ID: A2-S1-3.5'

Lab Sample ID: 720-9806-2
Client Matrix: Solid

Date Sampled: 07/05/2007 1615
Date Received: 07/05/2007 1828

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 07/05/2007 2143
Date Prepared: 07/05/2007 1900

Analysis Batch: 720-23468
Prep Batch: 720-23469

Instrument ID: Agilent 75MSD
Lab File ID: 070507026.D
Initial Weight/Volume: 5.86 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.3
1,1-Dichloroethane		ND		4.3
Dichlorodifluoromethane		ND		8.5
Vinyl chloride		ND		4.3
Chloroethane		ND		8.5
Trichlorofluoromethane		ND		4.3
Methylene Chloride		ND		8.5
trans-1,2-Dichloroethene		ND		4.3
cis-1,2-Dichloroethene		ND		4.3
Chloroform		ND		4.3
1,1,1-Trichloroethane		ND		4.3
Carbon tetrachloride		ND		4.3
1,2-Dichloroethane		ND		4.3
Trichloroethene		ND		4.3
1,2-Dichloropropane		ND		4.3
Dichlorobromomethane		ND		4.3
trans-1,3-Dichloropropene		ND		4.3
cis-1,3-Dichloropropene		ND		4.3
1,1,2-Trichloroethane		ND		4.3
Tetrachloroethene		180		4.3
Chlorodibromomethane		ND		4.3
Chlorobenzene		ND		4.3
Bromoform		ND		4.3
1,1,2,2-Tetrachloroethane		ND		4.3
1,3-Dichlorobenzene		ND		4.3
1,4-Dichlorobenzene		ND		4.3
1,2-Dichlorobenzene		ND		4.3
Chloromethane		ND		8.5
Bromomethane		ND		8.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.3
EDB		ND		4.3
1,2,4-Trichlorobenzene		ND		4.3

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	95	70 - 130
4-Bromofluorobenzene	104	60 - 140
1,2-Dichloroethane-d4 (Surr)	98	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9806-1

Client Sample ID: A2-S5-4'

Lab Sample ID: 720-9806-3 Date Sampled: 07/05/2007 1630
Client Matrix: Solid Date Received: 07/05/2007 1828

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-23468 Instrument ID: Agilent 75MSD
Preparation: 5035 Prep Batch: 720-23469 Lab File ID: 070507027.D
Dilution: 1.0 Initial Weight/Volume: 5.73 g
Date Analyzed: 07/05/2007 2208 Final Weight/Volume: 10 mL
Date Prepared: 07/05/2007 1900

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.4
1,1-Dichloroethane		ND		4.4
Dichlorodifluoromethane		ND		8.7
Vinyl chloride		ND		4.4
Chloroethane		ND		8.7
Trichlorofluoromethane		ND		4.4
Methylene Chloride		ND		8.7
trans-1,2-Dichloroethene		ND		4.4
cis-1,2-Dichloroethene		ND		4.4
Chloroform		ND		4.4
1,1,1-Trichloroethane		ND		4.4
Carbon tetrachloride		ND		4.4
1,2-Dichloroethane		ND		4.4
Trichloroethene		ND		4.4
1,2-Dichloropropane		ND		4.4
Dichlorobromomethane		ND		4.4
trans-1,3-Dichloropropene		ND		4.4
cis-1,3-Dichloropropene		ND		4.4
1,1,2-Trichloroethane		ND		4.4
Tetrachloroethene		220		4.4
Chlorodibromomethane		ND		4.4
Chlorobenzene		ND		4.4
Bromoform		ND		4.4
1,1,2,2-Tetrachloroethane		ND		4.4
1,3-Dichlorobenzene		ND		4.4
1,4-Dichlorobenzene		ND		4.4
1,2-Dichlorobenzene		ND		4.4
Chloromethane		ND		8.7
Bromomethane		ND		8.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.4
EDB		ND		4.4
1,2,4-Trichlorobenzene		ND		4.4

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	95	70 - 130
4-Bromofluorobenzene	100	60 - 140
1,2-Dichloroethane-d4 (Surr)	98	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9806-1

Client Sample ID: A2-B1-5.5'

Lab Sample ID: 720-9806-4
Client Matrix: Solid

Date Sampled: 07/05/2007 1635
Date Received: 07/05/2007 1828

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 07/05/2007 2233
Date Prepared: 07/05/2007 1900

Analysis Batch: 720-23468
Prep Batch: 720-23469

Instrument ID: Agilent 75MSD
Lab File ID: 070507028.D
Initial Weight/Volume: 6.07 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.1
1,1-Dichloroethane		ND		4.1
Dichlorodifluoromethane		ND		8.2
Vinyl chloride		ND		4.1
Chloroethane		ND		8.2
Trichlorofluoromethane		ND		4.1
Methylene Chloride		ND		8.2
trans-1,2-Dichloroethene		ND		4.1
cis-1,2-Dichloroethene		ND		4.1
Chloroform		ND		4.1
1,1,1-Trichloroethane		ND		4.1
Carbon tetrachloride		ND		4.1
1,2-Dichloroethane		ND		4.1
Trichloroethene		ND		4.1
1,2-Dichloropropane		ND		4.1
Dichlorobromomethane		ND		4.1
trans-1,3-Dichloropropene		ND		4.1
cis-1,3-Dichloropropene		ND		4.1
1,1,2-Trichloroethane		ND		4.1
Tetrachloroethene		84		4.1
Chlorodibromomethane		ND		4.1
Chlorobenzene		ND		4.1
Bromoform		ND		4.1
1,1,2,2-Tetrachloroethane		ND		4.1
1,3-Dichlorobenzene		ND		4.1
1,4-Dichlorobenzene		ND		4.1
1,2-Dichlorobenzene		ND		4.1
Chloromethane		ND		8.2
Bromomethane		ND		8.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.1
EDB		ND		4.1
1,2,4-Trichlorobenzene		ND		4.1

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	96	70 - 130
4-Bromofluorobenzene	104	60 - 140
1,2-Dichloroethane-d4 (Surr)	97	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9806-1

Client Sample ID: B2-B1-5.5'

Lab Sample ID: 720-9806-6 Date Sampled: 07/05/2007 1715
Client Matrix: Solid Date Received: 07/05/2007 1828

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-23468 Instrument ID: Agilent 75MSD
Preparation: 5035 Prep Batch: 720-23469 Lab File ID: 070507029.D
Dilution: 1.0 Initial Weight/Volume: 5.43 g
Date Analyzed: 07/05/2007 2259 Final Weight/Volume: 10 mL
Date Prepared: 07/05/2007 1900

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.6
1,1-Dichloroethane		ND		4.6
Dichlorodifluoromethane		ND		9.2
Vinyl chloride		ND		4.6
Chloroethane		ND		9.2
Trichlorofluoromethane		ND		4.6
Methylene Chloride		ND		9.2
trans-1,2-Dichloroethene		ND		4.6
cis-1,2-Dichloroethene		ND		4.6
Chloroform		ND		4.6
1,1,1-Trichloroethane		ND		4.6
Carbon tetrachloride		ND		4.6
1,2-Dichloroethane		ND		4.6
Trichloroethene		ND		4.6
1,2-Dichloropropane		ND		4.6
Dichlorobromomethane		ND		4.6
trans-1,3-Dichloropropene		ND		4.6
cis-1,3-Dichloropropene		ND		4.6
1,1,2-Trichloroethane		ND		4.6
Tetrachloroethene		70		4.6
Chlorodibromomethane		ND		4.6
Chlorobenzene		ND		4.6
Bromoform		ND		4.6
1,1,2,2-Tetrachloroethane		ND		4.6
1,3-Dichlorobenzene		ND		4.6
1,4-Dichlorobenzene		ND		4.6
1,2-Dichlorobenzene		ND		4.6
Chloromethane		ND		9.2
Bromomethane		ND		9.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.6
EDB		ND		4.6
1,2,4-Trichlorobenzene		ND		4.6

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	95	70 - 130
4-Bromofluorobenzene	103	60 - 140
1,2-Dichloroethane-d4 (Surr)	98	60 - 140

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: PES Environmental, Inc. Job Number: 720-9806-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-23467					
LCS 720-23467/1	Lab Control Spike	T	Solid	8260B	
MB 720-23467/2	Method Blank	T	Solid	8260B	
720-9806-1	CONCRETE	T	Solid	8260B	
Analysis Batch:720-23468					
LCS 720-23469/2-A	Lab Control Spike	T	Solid	8260B	720-23469
LCSD 720-23469/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-23469
MB 720-23469/1-A	Method Blank	T	Solid	8260B	720-23469
720-9806-2	A2-S1-3.5'	T	Solid	8260B	720-23469
720-9806-3	A2-S5-4'	T	Solid	8260B	720-23469
720-9806-4	A2-B1-5.5'	T	Solid	8260B	720-23469
720-9806-6	B2-B1-5.5'	T	Solid	8260B	720-23469
Prep Batch: 720-23469					
LCS 720-23469/2-A	Lab Control Spike	T	Solid	5035	
LCSD 720-23469/3-A	Lab Control Spike Duplicate	T	Solid	5035	
MB 720-23469/1-A	Method Blank	T	Solid	5035	
720-9806-2	A2-S1-3.5'	T	Solid	5035	
720-9806-3	A2-S5-4'	T	Solid	5035	
720-9806-4	A2-B1-5.5'	T	Solid	5035	
720-9806-6	B2-B1-5.5'	T	Solid	5035	

Report Basis
T = Total

Client: PES Environmental, Inc. Job Number: 720-9806-1

Method Blank - Batch: 720-23467

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-23467/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/05/2007 2001
Date Prepared: 07/05/2007 2001

Analysis Batch: 720-23467
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 070507022.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
1,1-Dichloroethene	ND		5.0
1,1-Dichloroethane	ND		5.0
Dichlorodifluoromethane	ND		10
Vinyl chloride	ND		5.0
Chloroethane	ND		10
Trichlorofluoromethane	ND		5.0
Methylene Chloride	ND		10
trans-1,2-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Dichlorobromomethane	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Chlorodibromomethane	ND		5.0
Chlorobenzene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
Chloromethane	ND		10
Bromomethane	ND		10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
EDB	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	100	70 - 130
4-Bromofluorobenzene	104	60 - 140
1,2-Dichloroethane-d4 (Surr)	104	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-9806-1

Lab Control Spike - Batch: 720-23467

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-23467/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/05/2007 1936
Date Prepared: 07/05/2007 1936

Analysis Batch: 720-23467
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 070507021.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethene	100	93.1	93	65 - 125	
Trichloroethene	100	87.3	87	74 - 134	
Chlorobenzene	100	101	101	61 - 121	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	94	70 - 130
4-Bromofluorobenzene	101	60 - 140
1,2-Dichloroethane-d4 (Surr)	100	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-9806-1

Method Blank - Batch: 720-23469

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 720-23469/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/05/2007 2117
Date Prepared: 07/05/2007 1900

Analysis Batch: 720-23468
Prep Batch: 720-23469
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 070507025.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
1,1-Dichloroethene	ND		5.0
1,1-Dichloroethane	ND		5.0
Dichlorodifluoromethane	ND		10
Vinyl chloride	ND		5.0
Chloroethane	ND		10
Trichlorofluoromethane	ND		5.0
Methylene Chloride	ND		10
trans-1,2-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Dichlorobromomethane	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Chlorodibromomethane	ND		5.0
Chlorobenzene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
Chloromethane	ND		10
Bromomethane	ND		10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
EDB	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	101	70 - 130
4-Bromofluorobenzene	108	60 - 140
1,2-Dichloroethane-d4 (Surr)	102	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-9806-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-23469

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 720-23469/2-A	Analysis Batch: 720-23468	Instrument ID: Agilent 75MSD
Client Matrix:	Solid	Prep Batch: 720-23469	Lab File ID: 070507023.D
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 5 g
Date Analyzed:	07/05/2007 2026		Final Weight/Volume: 10 mL
Date Prepared:	07/05/2007 1900		

LCSD Lab Sample ID:	LCSD 720-23469/3-A	Analysis Batch: 720-23468	Instrument ID: Agilent 75MSD
Client Matrix:	Solid	Prep Batch: 720-23469	Lab File ID: 070507024.D
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 5 g
Date Analyzed:	07/05/2007 2052		Final Weight/Volume: 10 mL
Date Prepared:	07/05/2007 1900		

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	105	102	65 - 125	2	20		
Trichloroethene	96	96	74 - 134	1	20		
Chlorobenzene	106	107	61 - 121	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	99	97	70 - 130
4-Bromofluorobenzene	109	108	60 - 140
1,2-Dichloroethane-d4 (Surr)	101	100	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

106171

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

07/10/2007

LABORATORY: Severn Trent Laboratories, Inc. (STL)
SAMPLERS: Gary Thomas/Miguel Rizo

JOB NUMBER: 881.060.02.003
720-9806

NAME / LOCATION: Sparkle Cleaners Site
Eastmont Town Center

PROJECT MANAGER: Will Mast
RECORDER: Dany

	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	Concrete	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)
1.	07	07	05	1430	Concrete										X				X					
2.	07	07	05	1615	A2-S1-3.5'			X			X3								X					
3.	07	07	05	1630	A2-S5-4'			X			X3								X					
4.	07	07	05	1635	A2-B1-5.5'			X			X3								X					
5.	07	07	05	1655	A2-B2-6.5'			X			3								X	**				
6.	07	07	05	1715	B2-B1-5.5'			X			3								X					
7.	07	07	05	1725	B2-B2-6.5'			X			3								X	***				

RUSH

Page 18 of 19

NOTES

Turn Around Time: 24-Hour TAT

* 8010 List of analytes only

** Extract sample, but only run analysis if sample A2-B1-5.5' is above 240 µg/kg

*** Extract sample, but only run analysis if result for sample B2-B1-5.5' is above 240 µg/kg

- Verbal Results ASAP to Miguel Rizo @ 415 497 2741

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
DISPATCHED BY: (Signature) TCR30	DATE 7/5 TIME 1828	RECEIVED FOR LAB BY: (Signature)	DATE 7/5/07 TIME 18:28

METHOD OF SHIPMENT: Delivered by PES to laboratory

Temp. 6°C

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

LOGIN SAMPLE RECEIPT CHECK LIST

Client: PES Environmental, Inc. Job Number: 720-9806-1

Login Number: 9806

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-9813-1

Job Description: Sparkle Cleaner Site Oakland

For:
PES Environmental, Inc.
1682 Novato Boulevard
Suite 100
Novato, CA 94947-7021

Attention: Mr. Gary Thomas

Afsaneh Salimpour
Project Manager I
asalimpour@stl-inc.com
07/10/2007

Project Manager: Afsaneh Salimpour

EXECUTIVE SUMMARY - Detections

Client: PES Environmental, Inc. Job Number: 720-9813-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-9813-5	**BIN-COMP**				
Tetrachloroethene		45	4.8	ug/Kg	8260B
Arsenic		1.9	0.99	mg/Kg	6010B
Barium		110	0.99	mg/Kg	6010B
Chromium		42	0.99	mg/Kg	6010B
Cobalt		12	0.99	mg/Kg	6010B
Copper		19	0.99	mg/Kg	6010B
Lead		3.6	0.99	mg/Kg	6010B
Nickel		32	0.99	mg/Kg	6010B
Vanadium		37	0.99	mg/Kg	6010B
Zinc		16	0.99	mg/Kg	6010B
Mercury		0.36	0.048	mg/Kg	7471A

METHOD SUMMARY

Client: PES Environmental, Inc. Job Number: 720-9813-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS (Low Level)	STL SF	SW846 8260B	
Purge and Trap for Solids	STL SF		SW846 5030B
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL SF	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	STL SF		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	STL SF	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual	STL SF		SW846 7471A

LAB REFERENCES:

STL SF = STL San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: PES Environmental, Inc. Job Number: 720-9813-1

Method	Analyst	Analyst ID
SW846 8260B	Le, Lien	LL
SW846 6010B	Pagba, Janice	JP
SW846 7471A	Pagba, Janice	JP

SAMPLE SUMMARY

Client: PES Environmental, Inc. Job Number: 720-9813-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-9813-5	BIN-COMP	Solid	07/06/2007 1325	07/06/2007 1635

Client: PES Environmental, Inc. Job Number: 720-9813-1

Client Sample ID: **BIN-COMP**

Lab Sample ID: 720-9813-5
Client Matrix: Solid

Date Sampled: 07/06/2007 1325
Date Received: 07/06/2007 1635

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 07/06/2007 2046
Date Prepared: 07/06/2007 2046

Analysis Batch: 720-23501

Instrument ID: Agilent 75MSD
Lab File ID: 070607015.D
Initial Weight/Volume: 5.21 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.8
1,1-Dichloroethane		ND		4.8
Dichlorodifluoromethane		ND		9.6
Vinyl chloride		ND		4.8
Chloroethane		ND		9.6
Trichlorofluoromethane		ND		4.8
Methylene Chloride		ND		9.6
trans-1,2-Dichloroethene		ND		4.8
cis-1,2-Dichloroethene		ND		4.8
Chloroform		ND		4.8
1,1,1-Trichloroethane		ND		4.8
Carbon tetrachloride		ND		4.8
1,2-Dichloroethane		ND		4.8
Trichloroethene		ND		4.8
1,2-Dichloropropane		ND		4.8
Dichlorobromomethane		ND		4.8
trans-1,3-Dichloropropene		ND		4.8
cis-1,3-Dichloropropene		ND		4.8
1,1,2-Trichloroethane		ND		4.8
Tetrachloroethene		45		4.8
Chlorodibromomethane		ND		4.8
Chlorobenzene		ND		4.8
Bromoform		ND		4.8
1,1,2,2-Tetrachloroethane		ND		4.8
1,3-Dichlorobenzene		ND		4.8
1,4-Dichlorobenzene		ND		4.8
1,2-Dichlorobenzene		ND		4.8
Chloromethane		ND		9.6
Bromomethane		ND		9.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.8
EDB		ND		4.8
1,2,4-Trichlorobenzene		ND		4.8

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	87	70 - 130
4-Bromofluorobenzene	95	60 - 140
1,2-Dichloroethane-d4 (Surr)	94	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9813-1

Client Sample ID: BIN-COMP

Lab Sample ID: 720-9813-5
Client Matrix: Solid

Date Sampled: 07/06/2007 1325
Date Received: 07/06/2007 1635

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 07/09/2007 1828
Date Prepared: 07/09/2007 0746

Analysis Batch: 720-23510
Prep Batch: 720-23502

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1.01 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		ND		2.0
Arsenic		1.9		0.99
Barium		110		0.99
Beryllium		ND		0.50
Cadmium		ND		0.50
Chromium		42		0.99
Cobalt		12		0.99
Copper		19		0.99
Lead		3.6		0.99
Molybdenum		ND		0.99
Nickel		32		0.99
Selenium		ND		2.0
Silver		ND		0.99
Thallium		ND		0.99
Vanadium		37		0.99
Zinc		16		0.99

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 07/10/2007 0708
Date Prepared: 07/09/2007 1225

Analysis Batch: 720-23556
Prep Batch: 720-23520

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.36		0.048

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: PES Environmental, Inc. Job Number: 720-9813-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-23501					
LCS 720-23501/1	Lab Control Spike	T	Solid	8260B	
LCSD 720-23501/2	Lab Control Spike Duplicate	T	Solid	8260B	
MB 720-23501/3	Method Blank	T	Solid	8260B	
720-9813-5	BIN-COMP	T	Solid	8260B	

Report Basis
T = Total

Metals					
Prep Batch: 720-23502					
LCS 720-23502/2-A	Lab Control Spike	T	Solid	3050B	
LCSD 720-23502/3-A	Lab Control Spike Duplicate	T	Solid	3050B	
LCSSRM 720-23502/4-A	LCS-Standard Reference Material	T	Solid	3050B	
MB 720-23502/1-A	Method Blank	T	Solid	3050B	
720-9813-5	BIN-COMP	T	Solid	3050B	
Analysis Batch:720-23510					
LCS 720-23502/2-A	Lab Control Spike	T	Solid	6010B	720-23502
LCSD 720-23502/3-A	Lab Control Spike Duplicate	T	Solid	6010B	720-23502
LCSSRM 720-23502/4-A	LCS-Standard Reference Material	T	Solid	6010B	720-23502
MB 720-23502/1-A	Method Blank	T	Solid	6010B	720-23502
720-9813-5	BIN-COMP	T	Solid	6010B	720-23502
Prep Batch: 720-23520					
LCS 720-23520/2-A	Lab Control Spike	T	Solid	7471A	
LCSD 720-23520/3-A	Lab Control Spike Duplicate	T	Solid	7471A	
MB 720-23520/1-A	Method Blank	T	Solid	7471A	
720-9813-5	BIN-COMP	T	Solid	7471A	
Analysis Batch:720-23556					
LCS 720-23520/2-A	Lab Control Spike	T	Solid	7471A	720-23520
LCSD 720-23520/3-A	Lab Control Spike Duplicate	T	Solid	7471A	720-23520
MB 720-23520/1-A	Method Blank	T	Solid	7471A	720-23520
720-9813-5	BIN-COMP	T	Solid	7471A	720-23520

Report Basis
T = Total

Client: PES Environmental, Inc. Job Number: 720-9813-1

Method Blank - Batch: 720-23501

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-23501/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/06/2007 1310
Date Prepared: 07/06/2007 1310

Analysis Batch: 720-23501
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 070607005.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
1,1-Dichloroethene	ND		5.0
1,1-Dichloroethane	ND		5.0
Dichlorodifluoromethane	ND		10
Vinyl chloride	ND		5.0
Chloroethane	ND		10
Trichlorofluoromethane	ND		5.0
Methylene Chloride	ND		10
trans-1,2-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Dichlorobromomethane	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Chlorodibromomethane	ND		5.0
Chlorobenzene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
Chloromethane	ND		10
Bromomethane	ND		10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
EDB	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	92	70 - 130
4-Bromofluorobenzene	105	60 - 140
1,2-Dichloroethane-d4 (Surr)	91	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-9813-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-23501

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-23501/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/06/2007 1219
Date Prepared: 07/06/2007 1219

Analysis Batch: 720-23501
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 070607003.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-23501/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/06/2007 1244
Date Prepared: 07/06/2007 1244

Analysis Batch: 720-23501
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 070607004.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	112	113	65 - 125	1	20		
Trichloroethene	96	99	74 - 134	4	20		
Chlorobenzene	97	101	61 - 121	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	88	92	70 - 130
4-Bromofluorobenzene	103	109	60 - 140
1,2-Dichloroethane-d4 (Surr)	87	91	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-9813-1

Method Blank - Batch: 720-23502

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 720-23502/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/09/2007 1731
Date Prepared: 07/09/2007 0746

Analysis Batch: 720-23510
Prep Batch: 720-23502
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Antimony	ND		2.0
Arsenic	ND		1.0
Barium	ND		1.0
Beryllium	ND		0.50
Cadmium	ND		0.50
Chromium	ND		1.0
Cobalt	ND		1.0
Copper	ND		1.0
Lead	ND		1.0
Molybdenum	ND		1.0
Nickel	ND		1.0
Selenium	ND		2.0
Silver	ND		1.0
Thallium	ND		1.0
Vanadium	ND		1.0
Zinc	ND		1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-9813-1

LCS-Standard Reference Material - Batch: 720-23502

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCSSRM 720-23502/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/09/2007 1741
Date Prepared: 07/09/2007 0746

Analysis Batch: 720-23510
Prep Batch: 720-23502
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	27.4	17.9	65	14 - 96	
Arsenic	22.7	20.2	89	72 - 128	
Barium	145	123	85	80 - 120	
Beryllium	1.09	0.885	81	65 - 134	
Cadmium	42.2	36.8	87	80 - 120	
Chromium	246	216	88	80 - 120	
Cobalt	65.1	61.1	94	72 - 128	
Copper	58.5	52.4	89	80 - 120	
Lead	44.1	36.8	83	75 - 126	
Molybdenum	61.0	58.2	95	62 - 138	
Nickel	96.8	82.2	85	80 - 120	
Selenium	165	148	90	80 - 120	
Silver	79.5	70.9	89	72 - 127	
Thallium	55.9	49.2	88	79 - 121	
Vanadium	56.7	52.3	92	63 - 137	
Zinc	44.0	39.1	89	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-9813-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-23502

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID: LCS 720-23502/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/09/2007 1734
Date Prepared: 07/09/2007 0746

Analysis Batch: 720-23510
Prep Batch: 720-23502
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-23502/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/09/2007 1737
Date Prepared: 07/09/2007 0746

Analysis Batch: 720-23510
Prep Batch: 720-23502
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Antimony	98	101	80 - 120	3	20		
Arsenic	102	104	80 - 120	2	20		
Barium	102	104	80 - 120	2	20		
Beryllium	100	102	80 - 120	2	20		
Cadmium	101	103	80 - 120	2	20		
Chromium	100	102	80 - 120	2	20		
Cobalt	102	104	80 - 120	2	20		
Copper	102	104	80 - 120	2	20		
Lead	101	103	80 - 120	2	20		
Molybdenum	106	109	80 - 120	3	20		
Nickel	100	102	80 - 120	2	20		
Selenium	103	105	80 - 120	2	20		
Silver	101	103	80 - 120	2	20		
Thallium	100	102	80 - 120	2	20		
Vanadium	102	103	80 - 120	2	20		
Zinc	102	103	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-9813-1

Method Blank - Batch: 720-23520

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 720-23520/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/10/2007 0704
Date Prepared: 07/09/2007 1225

Analysis Batch: 720-23556
Prep Batch: 720-23520
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	ND		0.050

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-23520

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 720-23520/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/10/2007 0705
Date Prepared: 07/09/2007 1225

Analysis Batch: 720-23556
Prep Batch: 720-23520
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-23520/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/10/2007 0706
Date Prepared: 07/09/2007 1225

Analysis Batch: 720-23556
Prep Batch: 720-23520
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	114	113	85 - 115	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

PES Environmental, Inc.
Engineering & Environmental Services

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-160

CHAIN OF CUSTODY RECORD

720-9813

LABORATORY: Severn Trent Laboratories, Inc. (STL) SAMPLERS: MR

JOB NUMBER: 881.060.02.003

NAME / LOCATION: Sparkle Cleaners, Site Eastment Town Center

PROJECT MANAGER: Will Mast

RECORDER: MR

DATE YR	MO	DY	TIME	SAMPLE NUMBER / DESIGNATION	MATRIX: Vapor	Water	Soil	Sedim't	# of Containers & Preservatives: Unpres.	EnCore	H_2SO_4	HNO_3	HCl	DEPTH IN FEET
07	07	06	1325	B1 N - 1/4 Comp			X		1					
			1325	B1 N - 3/4 Comp			X		1					
			1325	B1 N 3/4 Comp			X		1					
			1325	B1 N 4/4 Comp			X		1					

HSNY

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)	Ti+Hf ZC (CAM17)*	Total Metals (CAM17)
		X						X	X
		X	X					X	X
		X	X					X	X
		X						X	X

07/10/2007

Page 16 of 17

NOTES

Turn Around Time: 24-Hour TAT

* 8010 List of analytes only

- LAB Composite 4 to 1

** Extract for STLC analysis do not until PES request.

STLC on 72 hour Turnaround

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	9/6/07	16:35

METHOD OF SHIPMENT

Temp 10.0°C

24 HRS

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

LOGIN SAMPLE RECEIPT CHECK LIST

Client: PES Environmental, Inc. Job Number: 720-9813-1

Login Number: 9813

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	COMP 4:1

ANALYTICAL REPORT

Job Number: 720-9836-1

Job Description: Sparkle Cleaner Site Oakland

For:
PES Environmental, Inc.
1682 Novato Boulevard
Suite 100
Novato, CA 94947-7021

Attention: Mr. Gary Thomas

Afsaneh Salimpour
Project Manager I
asalimpour@stl-inc.com
07/12/2007

Project Manager: Afsaneh Salimpour

Job Narrative
720-J9836-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: Sample numbers 9836-3 and 5 had high concentrations of PCE and were over the calibration range. The high level methanol extraction was also performed and at 200X the reporting limit (RL) and were ND. Results are reported as estimated.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: PES Environmental, Inc. Job Number: 720-9836-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-9836-1	**B3-B1-5.5**				
Tetrachloroethene		7.3	4.8	ug/Kg	8260B
720-9836-2	**B3-B1-6.5**				
Tetrachloroethene		22	4.5	ug/Kg	8260B
720-9836-3	**B3-S5-2.0**				
Trichloroethene		26	4.8	ug/Kg	8260B
Tetrachloroethene		340	4.8	ug/Kg	8260B
720-9836-4	**B3-S4-3.0**				
cis-1,2-Dichloroethene		12	4.9	ug/Kg	8260B
Trichloroethene		15	4.9	ug/Kg	8260B
720-9836-5	**B3-S3-4.0**				
Tetrachloroethene		310	4.2	ug/Kg	8260B
720-9836-6	**B3-S6-3.5**				
cis-1,2-Dichloroethene		13	4.6	ug/Kg	8260B
Trichloroethene		7.9	4.6	ug/Kg	8260B

METHOD SUMMARY

Client: PES Environmental, Inc. Job Number: 720-9836-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS (Low Level)	STL SF	SW846 8260B	
Closed System Purge & Trap/Laboratory	STL SF		SW846 5035

LAB REFERENCES:

STL SF = STL San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: PES Environmental, Inc. Job Number: 720-9836-1

Method	Analyst	Analyst ID
SW846 8260B	Le, Lien	LL

SAMPLE SUMMARY

Client: PES Environmental, Inc. Job Number: 720-9836-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-9836-1	B3-B1-5.5	Solid	07/09/2007 1530	07/09/2007 1724
720-9836-2	B3-B1-6.5	Solid	07/09/2007 1535	07/09/2007 1724
720-9836-3	B3-S5-2.0	Solid	07/09/2007 1545	07/09/2007 1724
720-9836-4	B3-S4-3.0	Solid	07/09/2007 1600	07/09/2007 1724
720-9836-5	B3-S3-4.0	Solid	07/09/2007 1610	07/09/2007 1724
720-9836-6	B3-S6-3.5	Solid	07/09/2007 1620	07/09/2007 1724

Client: PES Environmental, Inc. Job Number: 720-9836-1

Client Sample ID: **B3-B1-5.5**

Lab Sample ID: 720-9836-1
Client Matrix: Solid

Date Sampled: 07/09/2007 1530
Date Received: 07/09/2007 1724

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 07/10/2007 1401
Date Prepared: 07/10/2007 1100

Analysis Batch: 720-23580
Prep Batch: 720-23582

Instrument ID: Agilent 75MSD
Lab File ID: 071007008.D
Initial Weight/Volume: 5.18 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.8
1,1-Dichloroethane		ND		4.8
Dichlorodifluoromethane		ND		9.7
Vinyl chloride		ND		4.8
Chloroethane		ND		9.7
Trichlorofluoromethane		ND		4.8
Methylene Chloride		ND		9.7
trans-1,2-Dichloroethene		ND		4.8
cis-1,2-Dichloroethene		ND		4.8
Chloroform		ND		4.8
1,1,1-Trichloroethane		ND		4.8
Carbon tetrachloride		ND		4.8
1,2-Dichloroethane		ND		4.8
Trichloroethene		ND		4.8
1,2-Dichloropropane		ND		4.8
Dichlorobromomethane		ND		4.8
trans-1,3-Dichloropropene		ND		4.8
cis-1,3-Dichloropropene		ND		4.8
1,1,2-Trichloroethane		ND		4.8
Tetrachloroethene		7.3		4.8
Chlorodibromomethane		ND		4.8
Chlorobenzene		ND		4.8
Bromoform		ND		4.8
1,1,2,2-Tetrachloroethane		ND		4.8
1,3-Dichlorobenzene		ND		4.8
1,4-Dichlorobenzene		ND		4.8
1,2-Dichlorobenzene		ND		4.8
Chloromethane		ND		9.7
Bromomethane		ND		9.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.8
EDB		ND		4.8
1,2,4-Trichlorobenzene		ND		4.8

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	89	70 - 130
4-Bromofluorobenzene	106	60 - 140
1,2-Dichloroethane-d4 (Surr)	91	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9836-1

Client Sample ID: **B3-B1-6.5**

Lab Sample ID: 720-9836-2 Date Sampled: 07/09/2007 1535
Client Matrix: Solid Date Received: 07/09/2007 1724

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-23638 Instrument ID: Varian 3900G
Preparation: 5035 Prep Batch: 720-23640 Lab File ID: c:\saturnws\data\200707\07
Dilution: 1.0 Initial Weight/Volume: 5.56 g
Date Analyzed: 07/11/2007 1443 Final Weight/Volume: 10 mL
Date Prepared: 07/11/2007 0900

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.5
1,1-Dichloroethane		ND		4.5
Dichlorodifluoromethane		ND		9.0
Vinyl chloride		ND		4.5
Chloroethane		ND		9.0
Trichlorofluoromethane		ND		4.5
Methylene Chloride		ND		9.0
trans-1,2-Dichloroethene		ND		4.5
cis-1,2-Dichloroethene		ND		4.5
Chloroform		ND		4.5
1,1,1-Trichloroethane		ND		4.5
Carbon tetrachloride		ND		4.5
1,2-Dichloroethane		ND		4.5
Trichloroethene		ND		4.5
1,2-Dichloropropane		ND		4.5
Dichlorobromomethane		ND		4.5
trans-1,3-Dichloropropene		ND		4.5
cis-1,3-Dichloropropene		ND		4.5
1,1,2-Trichloroethane		ND		4.5
Tetrachloroethene		22		4.5
Chlorodibromomethane		ND		4.5
Chlorobenzene		ND		4.5
Bromoform		ND		4.5
1,1,2,2-Tetrachloroethane		ND		4.5
1,3-Dichlorobenzene		ND		4.5
1,4-Dichlorobenzene		ND		4.5
1,2-Dichlorobenzene		ND		4.5
Chloromethane		ND		9.0
Bromomethane		ND		9.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.5
EDB		ND		4.5
1,2,4-Trichlorobenzene		ND		4.5

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	80	70 - 130
4-Bromofluorobenzene	76	60 - 140
1,2-Dichloroethane-d4 (Surr)	78	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9836-1

Client Sample ID: **B3-S5-2.0**

Lab Sample ID: 720-9836-3 Date Sampled: 07/09/2007 1545
Client Matrix: Solid Date Received: 07/09/2007 1724

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-23638 Instrument ID: Varian 3900G
Preparation: 5035 Prep Batch: 720-23640 Lab File ID: c:\saturnws\data\200707\07
Dilution: 1.0 Initial Weight/Volume: 5.20 g
Date Analyzed: 07/11/2007 1516 Final Weight/Volume: 10 mL
Date Prepared: 07/11/2007 0900

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.8
1,1-Dichloroethane		ND		4.8
Dichlorodifluoromethane		ND		9.6
Vinyl chloride		ND		4.8
Chloroethane		ND		9.6
Trichlorofluoromethane		ND		4.8
Methylene Chloride		ND		9.6
trans-1,2-Dichloroethene		ND		4.8
cis-1,2-Dichloroethene		ND		4.8
Chloroform		ND		4.8
1,1,1-Trichloroethane		ND		4.8
Carbon tetrachloride		ND		4.8
1,2-Dichloroethane		ND		4.8
Trichloroethene		26		4.8
1,2-Dichloropropane		ND		4.8
Dichlorobromomethane		ND		4.8
trans-1,3-Dichloropropene		ND		4.8
cis-1,3-Dichloropropene		ND		4.8
1,1,2-Trichloroethane		ND		4.8
Tetrachloroethene		340		4.8
Chlorodibromomethane		ND		4.8
Chlorobenzene		ND		4.8
Bromoform		ND		4.8
1,1,2,2-Tetrachloroethane		ND		4.8
1,3-Dichlorobenzene		ND		4.8
1,4-Dichlorobenzene		ND		4.8
1,2-Dichlorobenzene		ND		4.8
Chloromethane		ND		9.6
Bromomethane		ND		9.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.8
EDB		ND		4.8
1,2,4-Trichlorobenzene		ND		4.8

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	74	70 - 130
4-Bromofluorobenzene	69	60 - 140
1,2-Dichloroethane-d4 (Surr)	76	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9836-1

Client Sample ID: **B3-S4-3.0**

Lab Sample ID: 720-9836-4
Client Matrix: Solid

Date Sampled: 07/09/2007 1600
Date Received: 07/09/2007 1724

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 07/11/2007 1550
Date Prepared: 07/11/2007 0900

Analysis Batch: 720-23638
Prep Batch: 720-23640

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200707\07
Initial Weight/Volume: 5.13 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.9
1,1-Dichloroethane		ND		4.9
Dichlorodifluoromethane		ND		9.7
Vinyl chloride		ND		4.9
Chloroethane		ND		9.7
Trichlorofluoromethane		ND		4.9
Methylene Chloride		ND		9.7
trans-1,2-Dichloroethene		ND		4.9
cis-1,2-Dichloroethene		12		4.9
Chloroform		ND		4.9
1,1,1-Trichloroethane		ND		4.9
Carbon tetrachloride		ND		4.9
1,2-Dichloroethane		ND		4.9
Trichloroethene		15		4.9
1,2-Dichloropropane		ND		4.9
Dichlorobromomethane		ND		4.9
trans-1,3-Dichloropropene		ND		4.9
cis-1,3-Dichloropropene		ND		4.9
1,1,2-Trichloroethane		ND		4.9
Tetrachloroethene		ND		4.9
Chlorodibromomethane		ND		4.9
Chlorobenzene		ND		4.9
Bromoform		ND		4.9
1,1,2,2-Tetrachloroethane		ND		4.9
1,3-Dichlorobenzene		ND		4.9
1,4-Dichlorobenzene		ND		4.9
1,2-Dichlorobenzene		ND		4.9
Chloromethane		ND		9.7
Bromomethane		ND		9.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.9
EDB		ND		4.9
1,2,4-Trichlorobenzene		ND		4.9

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	72	70 - 130
4-Bromofluorobenzene	69	60 - 140
1,2-Dichloroethane-d4 (Surr)	74	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9836-1

Client Sample ID: **B3-S3-4.0**

Lab Sample ID: 720-9836-5 Date Sampled: 07/09/2007 1610
Client Matrix: Solid Date Received: 07/09/2007 1724

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-23638 Instrument ID: Varian 3900G
Preparation: 5035 Prep Batch: 720-23640 Lab File ID: c:\saturnws\data\200707\07
Dilution: 1.0 Initial Weight/Volume: 5.89 g
Date Analyzed: 07/11/2007 1623 Final Weight/Volume: 10 mL
Date Prepared: 07/11/2007 0900

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.2
1,1-Dichloroethane		ND		4.2
Dichlorodifluoromethane		ND		8.5
Vinyl chloride		ND		4.2
Chloroethane		ND		8.5
Trichlorofluoromethane		ND		4.2
Methylene Chloride		ND		8.5
trans-1,2-Dichloroethene		ND		4.2
cis-1,2-Dichloroethene		ND		4.2
Chloroform		ND		4.2
1,1,1-Trichloroethane		ND		4.2
Carbon tetrachloride		ND		4.2
1,2-Dichloroethane		ND		4.2
Trichloroethene		ND		4.2
1,2-Dichloropropane		ND		4.2
Dichlorobromomethane		ND		4.2
trans-1,3-Dichloropropene		ND		4.2
cis-1,3-Dichloropropene		ND		4.2
1,1,2-Trichloroethane		ND		4.2
Tetrachloroethene		310		4.2
Chlorodibromomethane		ND		4.2
Chlorobenzene		ND		4.2
Bromoform		ND		4.2
1,1,2,2-Tetrachloroethane		ND		4.2
1,3-Dichlorobenzene		ND		4.2
1,4-Dichlorobenzene		ND		4.2
1,2-Dichlorobenzene		ND		4.2
Chloromethane		ND		8.5
Bromomethane		ND		8.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.2
EDB		ND		4.2
1,2,4-Trichlorobenzene		ND		4.2

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	70	70 - 130
4-Bromofluorobenzene	66	60 - 140
1,2-Dichloroethane-d4 (Surr)	74	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9836-1

Client Sample ID: **B3-S6-3.5**

Lab Sample ID: 720-9836-6
Client Matrix: Solid

Date Sampled: 07/09/2007 1620
Date Received: 07/09/2007 1724

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 07/11/2007 1657
Date Prepared: 07/11/2007 0900

Analysis Batch: 720-23638
Prep Batch: 720-23640

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200707\07
Initial Weight/Volume: 5.46 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.6
1,1-Dichloroethane		ND		4.6
Dichlorodifluoromethane		ND		9.2
Vinyl chloride		ND		4.6
Chloroethane		ND		9.2
Trichlorofluoromethane		ND		4.6
Methylene Chloride		ND		9.2
trans-1,2-Dichloroethene		ND		4.6
cis-1,2-Dichloroethene		13		4.6
Chloroform		ND		4.6
1,1,1-Trichloroethane		ND		4.6
Carbon tetrachloride		ND		4.6
1,2-Dichloroethane		ND		4.6
Trichloroethene		7.9		4.6
1,2-Dichloropropane		ND		4.6
Dichlorobromomethane		ND		4.6
trans-1,3-Dichloropropene		ND		4.6
cis-1,3-Dichloropropene		ND		4.6
1,1,2-Trichloroethane		ND		4.6
Tetrachloroethene		ND		4.6
Chlorodibromomethane		ND		4.6
Chlorobenzene		ND		4.6
Bromoform		ND		4.6
1,1,2,2-Tetrachloroethane		ND		4.6
1,3-Dichlorobenzene		ND		4.6
1,4-Dichlorobenzene		ND		4.6
1,2-Dichlorobenzene		ND		4.6
Chloromethane		ND		9.2
Bromomethane		ND		9.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.6
EDB		ND		4.6
1,2,4-Trichlorobenzene		ND		4.6

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	77	70 - 130
4-Bromofluorobenzene	70	60 - 140
1,2-Dichloroethane-d4 (Surr)	77	60 - 140

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: PES Environmental, Inc. Job Number: 720-9836-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-23580					
LCS 720-23582/2-A	Lab Control Spike	T	Solid	8260B	720-23582
LCSD 720-23582/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-23582
MB 720-23582/1-A	Method Blank	T	Solid	8260B	720-23582
720-9836-1	B3-B1-5.5	T	Solid	8260B	720-23582
Prep Batch: 720-23582					
LCS 720-23582/2-A	Lab Control Spike	T	Solid	5035	
LCSD 720-23582/3-A	Lab Control Spike Duplicate	T	Solid	5035	
MB 720-23582/1-A	Method Blank	T	Solid	5035	
720-9836-1	B3-B1-5.5	T	Solid	5035	
Analysis Batch:720-23638					
LCS 720-23640/2-A	Lab Control Spike	T	Solid	8260B	720-23640
LCSD 720-23640/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-23640
MB 720-23640/1-A	Method Blank	T	Solid	8260B	720-23640
720-9836-2	B3-B1-6.5	T	Solid	8260B	720-23640
720-9836-3	B3-S5-2.0	T	Solid	8260B	720-23640
720-9836-4	B3-S4-3.0	T	Solid	8260B	720-23640
720-9836-5	B3-S3-4.0	T	Solid	8260B	720-23640
720-9836-6	B3-S6-3.5	T	Solid	8260B	720-23640
Prep Batch: 720-23640					
LCS 720-23640/2-A	Lab Control Spike	T	Solid	5035	
LCSD 720-23640/3-A	Lab Control Spike Duplicate	T	Solid	5035	
MB 720-23640/1-A	Method Blank	T	Solid	5035	
720-9836-2	B3-B1-6.5	T	Solid	5035	
720-9836-3	B3-S5-2.0	T	Solid	5035	
720-9836-4	B3-S4-3.0	T	Solid	5035	
720-9836-5	B3-S3-4.0	T	Solid	5035	
720-9836-6	B3-S6-3.5	T	Solid	5035	

Report Basis
T = Total

Client: PES Environmental, Inc. Job Number: 720-9836-1

Method Blank - Batch: 720-23582

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 720-23582/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/10/2007 1336
Date Prepared: 07/10/2007 1100

Analysis Batch: 720-23580
Prep Batch: 720-23582
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 071007007.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
1,1-Dichloroethene	ND		5.0
1,1-Dichloroethane	ND		5.0
Dichlorodifluoromethane	ND		10
Vinyl chloride	ND		5.0
Chloroethane	ND		10
Trichlorofluoromethane	ND		5.0
Methylene Chloride	ND		10
trans-1,2-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Dichlorobromomethane	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Chlorodibromomethane	ND		5.0
Chlorobenzene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
Chloromethane	ND		10
Bromomethane	ND		10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
EDB	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	92	70 - 130
4-Bromofluorobenzene	108	60 - 140
1,2-Dichloroethane-d4 (Surr)	92	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-9836-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-23582

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 720-23582/2-A	Analysis Batch:	720-23580	Instrument ID:	Agilent 75MSD
Client Matrix:	Solid	Prep Batch:	720-23582	Lab File ID:	071007005.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	07/10/2007 1246			Final Weight/Volume:	10 mL
Date Prepared:	07/10/2007 1100				

LCSD Lab Sample ID:	LCSD 720-23582/3-A	Analysis Batch:	720-23580	Instrument ID:	Agilent 75MSD
Client Matrix:	Solid	Prep Batch:	720-23582	Lab File ID:	071007006.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	07/10/2007 1311			Final Weight/Volume:	10 mL
Date Prepared:	07/10/2007 1100				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	110	116	65 - 125	5	20		
Trichloroethene	97	98	74 - 134	2	20		
Chlorobenzene	100	102	61 - 121	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	93	89	70 - 130
4-Bromofluorobenzene	108	106	60 - 140
1,2-Dichloroethane-d4 (Surr)	96	90	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-9836-1

Method Blank - Batch: 720-23640

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 720-23640/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/11/2007 1409
Date Prepared: 07/11/2007 0900

Analysis Batch: 720-23638
Prep Batch: 720-23640
Units: ug/Kg

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200707\07
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
1,1-Dichloroethene	ND		5.0
1,1-Dichloroethane	ND		5.0
Dichlorodifluoromethane	ND		10
Vinyl chloride	ND		5.0
Chloroethane	ND		10
Trichlorofluoromethane	ND		5.0
Methylene Chloride	ND		10
trans-1,2-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Dichlorobromomethane	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Chlorodibromomethane	ND		5.0
Chlorobenzene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
Chloromethane	ND		10
Bromomethane	ND		10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
EDB	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	91	70 - 130
4-Bromofluorobenzene	85	60 - 140
1,2-Dichloroethane-d4 (Surr)	94	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-9836-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-23640

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 720-23640/2-A	Analysis Batch: 720-23638	Instrument ID: Varian 3900G
Client Matrix:	Solid	Prep Batch: 720-23640	Lab File ID: c:\saturnws\data\200707\0
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 5 g
Date Analyzed:	07/11/2007 1302		Final Weight/Volume: 10 mL
Date Prepared:	07/11/2007 0900		

LCSD Lab Sample ID:	LCSD 720-23640/3-A	Analysis Batch: 720-23638	Instrument ID: Varian 3900G
Client Matrix:	Solid	Prep Batch: 720-23640	Lab File ID: c:\saturnws\data\200707\071
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 5 g
Date Analyzed:	07/11/2007 1336		Final Weight/Volume: 10 mL
Date Prepared:	07/11/2007 0900		

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	92	87	65 - 125	5	20		
Trichloroethene	89	85	74 - 134	4	20		
Chlorobenzene	97	88	61 - 121	10	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	82	82	70 - 130
4-Bromofluorobenzene	80	77	60 - 140
1,2-Dichloroethane-d4 (Surr)	82	84	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-160

1062207

LABORATORY: STL

JOB NUMBER: 881.060.02.003

NAME / LOCATION: Sparkle Cleaners Site

PROJECT MANAGER: Will Mast

SAMPLERS: Miguel Rizo

720-9836

RECORDER: Miguel 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	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)
07	07	09	1530	B3-B1-5.5			X			3							**	**				
07	07	09	1535	B3-B1-6.5			X			3							X					
07	07	09	1545	B3-S5-20'			X			3							X					
07	07	09	1600	B3-S4-30'			X			3							X					
07	07	09	1610	B3-S3-40'			X			3							X					
07	07	09	1620	B3-S6-35			X			3							X					

ANALYSIS REQUESTED

07/12/2007

Page 19 of 20

RUSH

NOTES

Turn Around Time: 24-Hour TAT

* 8010 List of analytes only

** Extract Sample, but only run analysis if sample B3-B1-5.5 is above 240 ug/kg
Run B3-B1-5.5 first

-Verbal Results ASAP to Miguel Rizo @ 415 497 2741

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		
DISPATCHED BY: (Signature)	RECEIVED FOR LAB BY: (Signature)	7/9/07	17:24

METHOD OF SHIPMENT:

Temp 23.4°C < 4Hrs

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

LOGIN SAMPLE RECEIPT CHECK LIST

Client: PES Environmental, Inc. Job Number: 720-9836-1

Login Number: 9836

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	NA	samples taken in the lat 4 hours
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-9873-1

Job Description: Sparkle Cleaner Site Oakland

For:
PES Environmental, Inc.
1682 Novato Boulevard
Suite 100
Novato, CA 94947-7021

Attention: Mr. Gary Thomas

Afsaneh Salimpour
Project Manager I
asalimpour@stl-inc.com
07/13/2007

Project Manager: Afsaneh Salimpour

EXECUTIVE SUMMARY - Detections

Client: PES Environmental, Inc. Job Number: 720-9873-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-9873-1	**A1-S1-3.5**				
Tetrachloroethene		40	4.3	ug/Kg	8260B
720-9873-2	**A1-S2-4.0**				
cis-1,2-Dichloroethene		6.4	4.6	ug/Kg	8260B
Trichloroethene		28	4.6	ug/Kg	8260B
720-9873-3	**B1-S2-2.0**				
Trichloroethene		7.4	4.3	ug/Kg	8260B
Tetrachloroethene		16	4.3	ug/Kg	8260B
720-9873-4	**A1-B1-5.5**				
Tetrachloroethene		7.5	4.6	ug/Kg	8260B
720-9873-6	**B1-B1-5.5**				
Tetrachloroethene		97	4.3	ug/Kg	8260B
720-9873-8	**B1-S3-3.0**				
Trichloroethene		9.8	4.7	ug/Kg	8260B
Tetrachloroethene		150	4.7	ug/Kg	8260B

METHOD SUMMARY

Client: PES Environmental, Inc. Job Number: 720-9873-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS (Low Level)	STL SF	SW846 8260B	
Closed System Purge & Trap/Laboratory	STL SF		SW846 5035

LAB REFERENCES:

STL SF = STL San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: PES Environmental, Inc. Job Number: 720-9873-1

Method	Analyst	Analyst ID
SW846 8260B	Le, Lien	LL

SAMPLE SUMMARY

Client: PES Environmental, Inc. Job Number: 720-9873-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-9873-1	A1-S1-3.5	Solid	07/11/2007 1202	07/11/2007 1820
720-9873-2	A1-S2-4.0	Solid	07/11/2007 1545	07/11/2007 1820
720-9873-3	B1-S2-2.0	Solid	07/11/2007 1600	07/11/2007 1820
720-9873-4	A1-B1-5.5	Solid	07/11/2007 1620	07/11/2007 1820
720-9873-6	B1-B1-5.5	Solid	07/11/2007 1610	07/11/2007 1820
720-9873-8	B1-S3-3.0	Solid	07/11/2007 1640	07/11/2007 1820

Client: PES Environmental, Inc. Job Number: 720-9873-1

Client Sample ID: A1-S1-3.5

Lab Sample ID: 720-9873-1
Client Matrix: Solid

Date Sampled: 07/11/2007 1202
Date Received: 07/11/2007 1820

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 07/12/2007 2135
Date Prepared: 07/12/2007 1000

Analysis Batch: 720-23653
Prep Batch: 720-23656

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200707\07
Initial Weight/Volume: 5.80 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.3
1,1-Dichloroethane		ND		4.3
Dichlorodifluoromethane		ND		8.6
Vinyl chloride		ND		4.3
Chloroethane		ND		8.6
Trichlorofluoromethane		ND		4.3
Methylene Chloride		ND		8.6
trans-1,2-Dichloroethene		ND		4.3
cis-1,2-Dichloroethene		ND		4.3
Chloroform		ND		4.3
1,1,1-Trichloroethane		ND		4.3
Carbon tetrachloride		ND		4.3
1,2-Dichloroethane		ND		4.3
Trichloroethene		ND		4.3
1,2-Dichloropropane		ND		4.3
Dichlorobromomethane		ND		4.3
trans-1,3-Dichloropropene		ND		4.3
cis-1,3-Dichloropropene		ND		4.3
1,1,2-Trichloroethane		ND		4.3
Tetrachloroethene		40		4.3
Chlorodibromomethane		ND		4.3
Chlorobenzene		ND		4.3
Bromoform		ND		4.3
1,1,2,2-Tetrachloroethane		ND		4.3
1,3-Dichlorobenzene		ND		4.3
1,4-Dichlorobenzene		ND		4.3
1,2-Dichlorobenzene		ND		4.3
Chloromethane		ND		8.6
Bromomethane		ND		8.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.3
EDB		ND		4.3
1,2,4-Trichlorobenzene		ND		4.3

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	74	70 - 130
4-Bromofluorobenzene	67	60 - 140
1,2-Dichloroethane-d4 (Surr)	77	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9873-1

Client Sample ID: A1-S2-4.0

Lab Sample ID: 720-9873-2 Date Sampled: 07/11/2007 1545
Client Matrix: Solid Date Received: 07/11/2007 1820

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-23653 Instrument ID: Varian 3900G
Preparation: 5035 Prep Batch: 720-23656 Lab File ID: c:\saturnws\data\200707\07
Dilution: 1.0 Initial Weight/Volume: 5.47 g
Date Analyzed: 07/12/2007 2209 Final Weight/Volume: 10 mL
Date Prepared: 07/12/2007 1000

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.6
1,1-Dichloroethane		ND		4.6
Dichlorodifluoromethane		ND		9.1
Vinyl chloride		ND		4.6
Chloroethane		ND		9.1
Trichlorofluoromethane		ND		4.6
Methylene Chloride		ND		9.1
trans-1,2-Dichloroethene		ND		4.6
cis-1,2-Dichloroethene		6.4		4.6
Chloroform		ND		4.6
1,1,1-Trichloroethane		ND		4.6
Carbon tetrachloride		ND		4.6
1,2-Dichloroethane		ND		4.6
Trichloroethene		28		4.6
1,2-Dichloropropane		ND		4.6
Dichlorobromomethane		ND		4.6
trans-1,3-Dichloropropene		ND		4.6
cis-1,3-Dichloropropene		ND		4.6
1,1,2-Trichloroethane		ND		4.6
Tetrachloroethene		ND		4.6
Chlorodibromomethane		ND		4.6
Chlorobenzene		ND		4.6
Bromoform		ND		4.6
1,1,2,2-Tetrachloroethane		ND		4.6
1,3-Dichlorobenzene		ND		4.6
1,4-Dichlorobenzene		ND		4.6
1,2-Dichlorobenzene		ND		4.6
Chloromethane		ND		9.1
Bromomethane		ND		9.1
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.6
EDB		ND		4.6
1,2,4-Trichlorobenzene		ND		4.6

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	72	70 - 130
4-Bromofluorobenzene	65	60 - 140
1,2-Dichloroethane-d4 (Surr)	77	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9873-1

Client Sample ID: B1-S2-2.0

Lab Sample ID: 720-9873-3
Client Matrix: Solid

Date Sampled: 07/11/2007 1600
Date Received: 07/11/2007 1820

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 07/12/2007 2243
Date Prepared: 07/12/2007 1000

Analysis Batch: 720-23653
Prep Batch: 720-23656

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200707\07
Initial Weight/Volume: 5.75 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.3
1,1-Dichloroethane		ND		4.3
Dichlorodifluoromethane		ND		8.7
Vinyl chloride		ND		4.3
Chloroethane		ND		8.7
Trichlorofluoromethane		ND		4.3
Methylene Chloride		ND		8.7
trans-1,2-Dichloroethene		ND		4.3
cis-1,2-Dichloroethene		ND		4.3
Chloroform		ND		4.3
1,1,1-Trichloroethane		ND		4.3
Carbon tetrachloride		ND		4.3
1,2-Dichloroethane		ND		4.3
Trichloroethene		7.4		4.3
1,2-Dichloropropane		ND		4.3
Dichlorobromomethane		ND		4.3
trans-1,3-Dichloropropene		ND		4.3
cis-1,3-Dichloropropene		ND		4.3
1,1,2-Trichloroethane		ND		4.3
Tetrachloroethene		16		4.3
Chlorodibromomethane		ND		4.3
Chlorobenzene		ND		4.3
Bromoform		ND		4.3
1,1,2,2-Tetrachloroethane		ND		4.3
1,3-Dichlorobenzene		ND		4.3
1,4-Dichlorobenzene		ND		4.3
1,2-Dichlorobenzene		ND		4.3
Chloromethane		ND		8.7
Bromomethane		ND		8.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.3
EDB		ND		4.3
1,2,4-Trichlorobenzene		ND		4.3

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	71	70 - 130
4-Bromofluorobenzene	67	60 - 140
1,2-Dichloroethane-d4 (Surr)	75	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9873-1

Client Sample ID: A1-B1-5.5

Lab Sample ID: 720-9873-4 Date Sampled: 07/11/2007 1620
Client Matrix: Solid Date Received: 07/11/2007 1820

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-23653 Instrument ID: Varian 3900G
Preparation: 5035 Prep Batch: 720-23656 Lab File ID: c:\saturnws\data\200707\07
Dilution: 1.0 Initial Weight/Volume: 5.42 g
Date Analyzed: 07/12/2007 1526 Final Weight/Volume: 10 mL
Date Prepared: 07/12/2007 1000

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.6
1,1-Dichloroethane		ND		4.6
Dichlorodifluoromethane		ND		9.2
Vinyl chloride		ND		4.6
Chloroethane		ND		9.2
Trichlorofluoromethane		ND		4.6
Methylene Chloride		ND		9.2
trans-1,2-Dichloroethene		ND		4.6
cis-1,2-Dichloroethene		ND		4.6
Chloroform		ND		4.6
1,1,1-Trichloroethane		ND		4.6
Carbon tetrachloride		ND		4.6
1,2-Dichloroethane		ND		4.6
Trichloroethene		ND		4.6
1,2-Dichloropropane		ND		4.6
Dichlorobromomethane		ND		4.6
trans-1,3-Dichloropropene		ND		4.6
cis-1,3-Dichloropropene		ND		4.6
1,1,2-Trichloroethane		ND		4.6
Tetrachloroethene		7.5		4.6
Chlorodibromomethane		ND		4.6
Chlorobenzene		ND		4.6
Bromoform		ND		4.6
1,1,2,2-Tetrachloroethane		ND		4.6
1,3-Dichlorobenzene		ND		4.6
1,4-Dichlorobenzene		ND		4.6
1,2-Dichlorobenzene		ND		4.6
Chloromethane		ND		9.2
Bromomethane		ND		9.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.6
EDB		ND		4.6
1,2,4-Trichlorobenzene		ND		4.6

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	81	70 - 130
4-Bromofluorobenzene	77	60 - 140
1,2-Dichloroethane-d4 (Surr)	78	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9873-1

Client Sample ID: B1-B1-5.5

Lab Sample ID: 720-9873-6
Client Matrix: Solid

Date Sampled: 07/11/2007 1610
Date Received: 07/11/2007 1820

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 07/12/2007 1453
Date Prepared: 07/12/2007 1000

Analysis Batch: 720-23653
Prep Batch: 720-23656

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200707\07
Initial Weight/Volume: 5.82 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.3
1,1-Dichloroethane		ND		4.3
Dichlorodifluoromethane		ND		8.6
Vinyl chloride		ND		4.3
Chloroethane		ND		8.6
Trichlorofluoromethane		ND		4.3
Methylene Chloride		ND		8.6
trans-1,2-Dichloroethene		ND		4.3
cis-1,2-Dichloroethene		ND		4.3
Chloroform		ND		4.3
1,1,1-Trichloroethane		ND		4.3
Carbon tetrachloride		ND		4.3
1,2-Dichloroethane		ND		4.3
Trichloroethene		ND		4.3
1,2-Dichloropropane		ND		4.3
Dichlorobromomethane		ND		4.3
trans-1,3-Dichloropropene		ND		4.3
cis-1,3-Dichloropropene		ND		4.3
1,1,2-Trichloroethane		ND		4.3
Tetrachloroethene		97		4.3
Chlorodibromomethane		ND		4.3
Chlorobenzene		ND		4.3
Bromoform		ND		4.3
1,1,2,2-Tetrachloroethane		ND		4.3
1,3-Dichlorobenzene		ND		4.3
1,4-Dichlorobenzene		ND		4.3
1,2-Dichlorobenzene		ND		4.3
Chloromethane		ND		8.6
Bromomethane		ND		8.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.3
EDB		ND		4.3
1,2,4-Trichlorobenzene		ND		4.3

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	78	70 - 130
4-Bromofluorobenzene	72	60 - 140
1,2-Dichloroethane-d4 (Surr)	81	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9873-1

Client Sample ID: B1-S3-3.0

Lab Sample ID: 720-9873-8
Client Matrix: Solid

Date Sampled: 07/11/2007 1640
Date Received: 07/11/2007 1820

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 07/12/2007 2316
Date Prepared: 07/12/2007 1000

Analysis Batch: 720-23653
Prep Batch: 720-23656

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200707\07
Initial Weight/Volume: 5.33 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.7
1,1-Dichloroethane		ND		4.7
Dichlorodifluoromethane		ND		9.4
Vinyl chloride		ND		4.7
Chloroethane		ND		9.4
Trichlorofluoromethane		ND		4.7
Methylene Chloride		ND		9.4
trans-1,2-Dichloroethene		ND		4.7
cis-1,2-Dichloroethene		ND		4.7
Chloroform		ND		4.7
1,1,1-Trichloroethane		ND		4.7
Carbon tetrachloride		ND		4.7
1,2-Dichloroethane		ND		4.7
Trichloroethene		9.8		4.7
1,2-Dichloropropane		ND		4.7
Dichlorobromomethane		ND		4.7
trans-1,3-Dichloropropene		ND		4.7
cis-1,3-Dichloropropene		ND		4.7
1,1,2-Trichloroethane		ND		4.7
Tetrachloroethene		150		4.7
Chlorodibromomethane		ND		4.7
Chlorobenzene		ND		4.7
Bromoform		ND		4.7
1,1,2,2-Tetrachloroethane		ND		4.7
1,3-Dichlorobenzene		ND		4.7
1,4-Dichlorobenzene		ND		4.7
1,2-Dichlorobenzene		ND		4.7
Chloromethane		ND		9.4
Bromomethane		ND		9.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.7
EDB		ND		4.7
1,2,4-Trichlorobenzene		ND		4.7

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	73	70 - 130
4-Bromofluorobenzene	67	60 - 140
1,2-Dichloroethane-d4 (Surr)	74	60 - 140

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: PES Environmental, Inc. Job Number: 720-9873-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-23653					
LCS 720-23656/2-A	Lab Control Spike	T	Solid	8260B	720-23656
LCSD 720-23656/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-23656
MB 720-23656/1-A	Method Blank	T	Solid	8260B	720-23656
720-9873-1	A1-S1-3.5	T	Solid	8260B	720-23656
720-9873-2	A1-S2-4.0	T	Solid	8260B	720-23656
720-9873-3	B1-S2-2.0	T	Solid	8260B	720-23656
720-9873-4	A1-B1-5.5	T	Solid	8260B	720-23656
720-9873-6	B1-B1-5.5	T	Solid	8260B	720-23656
720-9873-8	B1-S3-3.0	T	Solid	8260B	720-23656
Prep Batch: 720-23656					
LCS 720-23656/2-A	Lab Control Spike	T	Solid	5035	
LCSD 720-23656/3-A	Lab Control Spike Duplicate	T	Solid	5035	
MB 720-23656/1-A	Method Blank	T	Solid	5035	
720-9873-1	A1-S1-3.5	T	Solid	5035	
720-9873-2	A1-S2-4.0	T	Solid	5035	
720-9873-3	B1-S2-2.0	T	Solid	5035	
720-9873-4	A1-B1-5.5	T	Solid	5035	
720-9873-6	B1-B1-5.5	T	Solid	5035	
720-9873-8	B1-S3-3.0	T	Solid	5035	

Report Basis
T = Total

Client: PES Environmental, Inc. Job Number: 720-9873-1

Method Blank - Batch: 720-23656

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 720-23656/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/12/2007 1346
Date Prepared: 07/12/2007 1000

Analysis Batch: 720-23653
Prep Batch: 720-23656
Units: ug/Kg

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200707\07
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
1,1-Dichloroethene	ND		5.0
1,1-Dichloroethane	ND		5.0
Dichlorodifluoromethane	ND		10
Vinyl chloride	ND		5.0
Chloroethane	ND		10
Trichlorofluoromethane	ND		5.0
Methylene Chloride	ND		10
trans-1,2-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Dichlorobromomethane	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Chlorodibromomethane	ND		5.0
Chlorobenzene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
Chloromethane	ND		10
Bromomethane	ND		10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
EDB	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	85	70 - 130
4-Bromofluorobenzene	80	60 - 140
1,2-Dichloroethane-d4 (Surr)	83	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-9873-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-23656

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 720-23656/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/12/2007 1238
Date Prepared: 07/12/2007 1000

Analysis Batch: 720-23653
Prep Batch: 720-23656
Units: ug/Kg

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200707\0
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-23656/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/12/2007 1312
Date Prepared: 07/12/2007 1000

Analysis Batch: 720-23653
Prep Batch: 720-23656
Units: ug/Kg

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200707\071
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	91	90	65 - 125	2	20		
Trichloroethene	92	94	74 - 134	2	20		
Chlorobenzene	93	95	61 - 121	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	82	84	70 - 130
4-Bromofluorobenzene	78	78	60 - 140
1,2-Dichloroethane-d4 (Surr)	82	81	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

106262

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

07/13/2007

LABORATORY: STL

JOB NUMBER: 881.060.02.003

NAME / LOCATION: Sparkle Cleaners site

PROJECT MANAGER: Will Mast

SAMPLERS: Miguel Rizo

720-9873

RECORDER: Miguel 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)
07	07	11	1202	A1-S1-3.5'			X			3							X					
			1545	A1-S2-4.0			X			3							X					
			1600	B1-S2-2.0			X			3							X					
			1620	A1-B1-5.5			X			3							X					
			1630	A1-B2-6.5			X			3							X (hold **)					
			1610	B1-B1-5.5			X			3							X					
			1615	B1-B2-6.5			X			3							X (hold ***)					
			1640	B1-S3-3.0			X			3							X					

NOTES

Turn Around Time: 24-hour Turnaround

* 8010 List of analytes only

** Extract Sample, but only run analysis if sample A1-B1-5.5 is above 240 ug/kg

*** Extract Sample, but only run analysis if sample B1-B1-5.5 is above 240 ug/kg

- Run samples A1-B1-5.5 & B1-B1-5.5
- Call ~~First~~ Miguel @ 415-497-2741 w/ Verbal results ASAP!

CHAIN OF CUSTODY RECORD

		DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	7/11	1705
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)	7/11/07	18:20

METHOD OF SHIPMENT: Temp. 5.5°C

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

LOGIN SAMPLE RECEIPT CHECK LIST

Client: PES Environmental, Inc. Job Number: 720-9873-1

Login Number: 9873

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-9939-1

Job Description: Sparkle Cleaner Site Oakland

For:
PES Environmental, Inc.
1682 Novato Boulevard
Suite 100
Novato, CA 94947-7021

Attention: Mr. Gary Thomas

Afsaneh Salimpour
Project Manager I
asalimpour@stl-inc.com
07/17/2007

Project Manager: Afsaneh Salimpour

EXECUTIVE SUMMARY - Detections

Client: PES Environmental, Inc. Job Number: 720-9939-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-9939-1	**B3-S5-2.0'-1.0'**				
Trichloroethene		5.0	4.0	ug/Kg	8260B
Tetrachloroethene		74	4.0	ug/Kg	8260B
720-9939-2	**B3-S3-4.0'-1.0'**				
Tetrachloroethene		93	4.4	ug/Kg	8260B

METHOD SUMMARY

Client: PES Environmental, Inc. Job Number: 720-9939-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS (Low Level)	STL SF	SW846 8260B	
Closed System Purge & Trap/Laboratory	STL SF		SW846 5035

LAB REFERENCES:

STL SF = STL San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: PES Environmental, Inc. Job Number: 720-9939-1

Method	Analyst	Analyst ID
SW846 8260B	Le, Lien	LL

SAMPLE SUMMARY

Client: PES Environmental, Inc. Job Number: 720-9939-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-9939-1	B3-S5-2.0'-1.0'	Solid	07/16/2007 1005	07/16/2007 1420
720-9939-2	B3-S3-4.0'-1.0'	Solid	07/16/2007 1355	07/16/2007 1420

Client: PES Environmental, Inc. Job Number: 720-9939-1

Client Sample ID: B3-S5-2.0'-1.0'

Lab Sample ID: 720-9939-1
Client Matrix: Solid

Date Sampled: 07/16/2007 1005
Date Received: 07/16/2007 1420

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 07/17/2007 0954
Date Prepared: 07/17/2007 0800

Analysis Batch: 720-23774
Prep Batch: 720-23783

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200707\07
Initial Weight/Volume: 6.22 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.0
1,1-Dichloroethane		ND		4.0
Dichlorodifluoromethane		ND		8.0
Vinyl chloride		ND		4.0
Chloroethane		ND		8.0
Trichlorofluoromethane		ND		4.0
Methylene Chloride		ND		8.0
trans-1,2-Dichloroethene		ND		4.0
cis-1,2-Dichloroethene		ND		4.0
Chloroform		ND		4.0
1,1,1-Trichloroethane		ND		4.0
Carbon tetrachloride		ND		4.0
1,2-Dichloroethane		ND		4.0
Trichloroethene		5.0		4.0
1,2-Dichloropropane		ND		4.0
Dichlorobromomethane		ND		4.0
trans-1,3-Dichloropropene		ND		4.0
cis-1,3-Dichloropropene		ND		4.0
1,1,2-Trichloroethane		ND		4.0
Tetrachloroethene		74		4.0
Chlorodibromomethane		ND		4.0
Chlorobenzene		ND		4.0
Bromoform		ND		4.0
1,1,2,2-Tetrachloroethane		ND		4.0
1,3-Dichlorobenzene		ND		4.0
1,4-Dichlorobenzene		ND		4.0
1,2-Dichlorobenzene		ND		4.0
Chloromethane		ND		8.0
Bromomethane		ND		8.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.0
EDB		ND		4.0
1,2,4-Trichlorobenzene		ND		4.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	83	70 - 130
4-Bromofluorobenzene	77	60 - 140
1,2-Dichloroethane-d4 (Surr)	80	60 - 140

Client: PES Environmental, Inc. Job Number: 720-9939-1

Client Sample ID: B3-S3-4.0'-1.0'

Lab Sample ID: 720-9939-2
Client Matrix: Solid

Date Sampled: 07/16/2007 1355
Date Received: 07/16/2007 1420

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 07/17/2007 1027
Date Prepared: 07/17/2007 0800

Analysis Batch: 720-23774
Prep Batch: 720-23783

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200707\07
Initial Weight/Volume: 5.74 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.4
1,1-Dichloroethane		ND		4.4
Dichlorodifluoromethane		ND		8.7
Vinyl chloride		ND		4.4
Chloroethane		ND		8.7
Trichlorofluoromethane		ND		4.4
Methylene Chloride		ND		8.7
trans-1,2-Dichloroethene		ND		4.4
cis-1,2-Dichloroethene		ND		4.4
Chloroform		ND		4.4
1,1,1-Trichloroethane		ND		4.4
Carbon tetrachloride		ND		4.4
1,2-Dichloroethane		ND		4.4
Trichloroethene		ND		4.4
1,2-Dichloropropane		ND		4.4
Dichlorobromomethane		ND		4.4
trans-1,3-Dichloropropene		ND		4.4
cis-1,3-Dichloropropene		ND		4.4
1,1,2-Trichloroethane		ND		4.4
Tetrachloroethene		93		4.4
Chlorodibromomethane		ND		4.4
Chlorobenzene		ND		4.4
Bromoform		ND		4.4
1,1,2,2-Tetrachloroethane		ND		4.4
1,3-Dichlorobenzene		ND		4.4
1,4-Dichlorobenzene		ND		4.4
1,2-Dichlorobenzene		ND		4.4
Chloromethane		ND		8.7
Bromomethane		ND		8.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.4
EDB		ND		4.4
1,2,4-Trichlorobenzene		ND		4.4

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	79	70 - 130
4-Bromofluorobenzene	72	60 - 140
1,2-Dichloroethane-d4 (Surr)	84	60 - 140

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: PES Environmental, Inc. Job Number: 720-9939-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-23774					
LCS 720-23783/2-A	Lab Control Spike	T	Solid	8260B	720-23783
LCSD 720-23783/3-A	Lab Control Spike Duplicate	T	Solid	8260B	720-23783
MB 720-23783/1-A	Method Blank	T	Solid	8260B	720-23783
720-9939-1	B3-S5-2.0'-1.0'	T	Solid	8260B	720-23783
720-9939-2	B3-S3-4.0'-1.0'	T	Solid	8260B	720-23783
Prep Batch: 720-23783					
LCS 720-23783/2-A	Lab Control Spike	T	Solid	5035	
LCSD 720-23783/3-A	Lab Control Spike Duplicate	T	Solid	5035	
MB 720-23783/1-A	Method Blank	T	Solid	5035	
720-9939-1	B3-S5-2.0'-1.0'	T	Solid	5035	
720-9939-2	B3-S3-4.0'-1.0'	T	Solid	5035	

Report Basis
T = Total

Client: PES Environmental, Inc. Job Number: 720-9939-1

Method Blank - Batch: 720-23783

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 720-23783/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/17/2007 0921
Date Prepared: 07/17/2007 0800

Analysis Batch: 720-23774
Prep Batch: 720-23783
Units: ug/Kg

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200707\07
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
1,1-Dichloroethene	ND		5.0
1,1-Dichloroethane	ND		5.0
Dichlorodifluoromethane	ND		10
Vinyl chloride	ND		5.0
Chloroethane	ND		10
Trichlorofluoromethane	ND		5.0
Methylene Chloride	ND		10
trans-1,2-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Dichlorobromomethane	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Chlorodibromomethane	ND		5.0
Chlorobenzene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
Chloromethane	ND		10
Bromomethane	ND		10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
EDB	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	85	70 - 130
4-Bromofluorobenzene	80	60 - 140
1,2-Dichloroethane-d4 (Surr)	89	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-9939-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-23783

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 720-23783/2-A	Analysis Batch:	720-23774	Instrument ID:	Varian 3900G
Client Matrix:	Solid	Prep Batch:	720-23783	Lab File ID:	c:\saturnws\data\200707\0
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	07/17/2007 1101			Final Weight/Volume:	10 mL
Date Prepared:	07/17/2007 0800				

LCSD Lab Sample ID:	LCSD 720-23783/3-A	Analysis Batch:	720-23774	Instrument ID:	Varian 3900G
Client Matrix:	Solid	Prep Batch:	720-23783	Lab File ID:	c:\saturnws\data\200707\071
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	07/17/2007 1208			Final Weight/Volume:	10 mL
Date Prepared:	07/17/2007 0800				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	85	90	65 - 125	6	20		
Trichloroethene	87	85	74 - 134	3	20		
Chlorobenzene	90	88	61 - 121	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	86	83	70 - 130
4-Bromofluorobenzene	79	81	60 - 140
1,2-Dichloroethane-d4 (Surr)	85	83	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

106315

PES Environmental, Inc.
Engineering & Environmental Services

CHAIN OF CUSTODY RECORD

720-9939

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

LABORATORY: STL
JOB NUMBER: 881.060.02.003
NAME / LOCATION: Sparkle cleaners
PROJECT MANAGER: Will Mast

SAMPLERS: Miguel Rizo
RECORDER: Miguel 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
07	07	16	1005	B3-S5-20'-1.0'			X			3				
07	07	16	1355	B3-S3-40'-1.0'			X			3				

RUSH

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)
			X					
			X					

NOTES

Turn Around Time: 24 - hour

* 8010 List of analytes only

- Verbal Results ASAP to Miguel @ 415 497 2741 & Will Mast @ 415 899-1600 ext. 251

5.70

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)			RECEIVED BY: (Signature)	DATE 7/16	TIME 1420
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 7/16/07	TIME 1420
METHOD OF SHIPMENT:					

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

LOGIN SAMPLE RECEIPT CHECK LIST

Client: PES Environmental, Inc. Job Number: 720-9939-1

Login Number: 9939

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-10051-1

Job Description: Sparkle Cleaner Site Oakland

For:
PES Environmental, Inc.
1682 Novato Boulevard
Suite 100
Novato, CA 94947-7021

Attention: Mr. Gary Thomas

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
08/03/2007

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 484-1096 www.testamericainc.com

EXECUTIVE SUMMARY - Detections

Client: PES Environmental, Inc. Job Number: 720-10051-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-10051-4	**BIN-1, 2, 3/3 COMP**				
Arsenic		4.0	1.0	mg/Kg	6010B
Barium		130	1.0	mg/Kg	6010B
Chromium		40	1.0	mg/Kg	6010B
Cobalt		13	1.0	mg/Kg	6010B
Copper		21	1.0	mg/Kg	6010B
Lead		5.3	1.0	mg/Kg	6010B
Nickel		47	1.0	mg/Kg	6010B
Vanadium		37	1.0	mg/Kg	6010B
Zinc		31	1.0	mg/Kg	6010B
Mercury		0.22	0.053	mg/Kg	7471A

METHOD SUMMARY

Client: PES Environmental, Inc. Job Number: 720-10051-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS (Low Level)	STL SF	SW846 8260B	
Purge and Trap for Solids	STL SF		SW846 5030B
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL SF	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	STL SF		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	STL SF	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual	STL SF		SW846 7471A

LAB REFERENCES:

STL SF = TestAmerica San Francisco

METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: PES Environmental, Inc. Job Number: 720-10051-1

Method	Analyst	Analyst ID
SW846 8260B	Le, Lien	LL
SW846 6010B	Arndt, Christopher	CA
SW846 7471A	de Vera, Marcel	MDV

SAMPLE SUMMARY

Client: PES Environmental, Inc. Job Number: 720-10051-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-10051-4	BIN-1, 2, 3/3 Comp	Solid	07/24/2007 0000	07/24/2007 1630

Client: PES Environmental, Inc. Job Number: 720-10051-1

Client Sample ID: **BIN-1, 2, 3/3 Comp**

Lab Sample ID: 720-10051-4 Date Sampled: 07/24/2007 0000
Client Matrix: Solid Date Received: 07/24/2007 1630

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B Analysis Batch: 720-24093 Instrument ID: Agilent 75MSD
Preparation: 5030B Lab File ID: 072507008.D
Dilution: 1.0 Initial Weight/Volume: 5.07 g
Date Analyzed: 07/25/2007 1323 Final Weight/Volume: 10 mL
Date Prepared: 07/25/2007 1323

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
1,1-Dichloroethene		ND		4.9
1,1-Dichloroethane		ND		4.9
Dichlorodifluoromethane		ND		9.9
Vinyl chloride		ND		4.9
Chloroethane		ND		9.9
Trichlorofluoromethane		ND		4.9
Methylene Chloride		ND		9.9
trans-1,2-Dichloroethene		ND		4.9
cis-1,2-Dichloroethene		ND		4.9
Chloroform		ND		4.9
1,1,1-Trichloroethane		ND		4.9
Carbon tetrachloride		ND		4.9
1,2-Dichloroethane		ND		4.9
Trichloroethene		ND		4.9
1,2-Dichloropropane		ND		4.9
Dichlorobromomethane		ND		4.9
trans-1,3-Dichloropropene		ND		4.9
cis-1,3-Dichloropropene		ND		4.9
1,1,2-Trichloroethane		ND		4.9
Tetrachloroethene		ND		4.9
Chlorodibromomethane		ND		4.9
Chlorobenzene		ND		4.9
Bromoform		ND		4.9
1,1,2,2-Tetrachloroethane		ND		4.9
1,3-Dichlorobenzene		ND		4.9
1,4-Dichlorobenzene		ND		4.9
1,2-Dichlorobenzene		ND		4.9
Chloromethane		ND		9.9
Bromomethane		ND		9.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		4.9
EDB		ND		4.9
1,2,4-Trichlorobenzene		ND		4.9

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	95	70 - 130
4-Bromofluorobenzene	93	60 - 140
1,2-Dichloroethane-d4 (Surr)	94	60 - 140

Client: PES Environmental, Inc. Job Number: 720-10051-1

Client Sample ID: BIN-1, 2, 3/3 Comp

Lab Sample ID: 720-10051-4 Date Sampled: 07/24/2007 0000
Client Matrix: Solid Date Received: 07/24/2007 1630

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B Analysis Batch: 720-24304 Instrument ID: Varian ICP
Preparation: 3050B Prep Batch: 720-24270 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 1.00 g
Date Analyzed: 08/01/2007 1316 Final Weight/Volume: 50 mL
Date Prepared: 07/31/2007 1906

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Antimony		ND		2.0
Arsenic		4.0		1.0
Barium		130		1.0
Beryllium		ND		0.50
Cadmium		ND		0.50
Chromium		40		1.0
Cobalt		13		1.0
Copper		21		1.0
Lead		5.3		1.0
Molybdenum		ND		1.0
Nickel		47		1.0
Selenium		ND		2.0
Silver		ND		1.0
Thallium		ND		1.0
Vanadium		37		1.0
Zinc		31		1.0

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A Analysis Batch: 720-24295 Instrument ID: FIMS 100
Preparation: 7471A Prep Batch: 720-24271 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 0.95 g
Date Analyzed: 08/01/2007 1403 Final Weight/Volume: 50 mL
Date Prepared: 07/31/2007 1929

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Mercury		0.22		0.053

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: PES Environmental, Inc. Job Number: 720-10051-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-24093					
LCS 720-24093/1	Lab Control Spike	T	Solid	8260B	
LCSD 720-24093/2	Lab Control Spike Duplicate	T	Solid	8260B	
MB 720-24093/3	Method Blank	T	Solid	8260B	
720-10051-4	BIN-1, 2, 3/3 Comp	T	Solid	8260B	
Metals					
Prep Batch: 720-24270					
LCS 720-24270/2-A	Lab Control Spike	T	Solid	3050B	
LCSD 720-24270/3-A	Lab Control Spike Duplicate	T	Solid	3050B	
LCSSRM 720-24270/4-A	LCS-Standard Reference Material	T	Solid	3050B	
MB 720-24270/1-A	Method Blank	T	Solid	3050B	
720-10051-4	BIN-1, 2, 3/3 Comp	T	Solid	3050B	
Prep Batch: 720-24271					
LCS 720-24271/2-A	Lab Control Spike	T	Solid	7471A	
LCSD 720-24271/3-A	Lab Control Spike Duplicate	T	Solid	7471A	
MB 720-24271/1-A	Method Blank	T	Solid	7471A	
720-10051-4	BIN-1, 2, 3/3 Comp	T	Solid	7471A	
Analysis Batch:720-24295					
LCS 720-24271/2-A	Lab Control Spike	T	Solid	7471A	720-24271
LCSD 720-24271/3-A	Lab Control Spike Duplicate	T	Solid	7471A	720-24271
MB 720-24271/1-A	Method Blank	T	Solid	7471A	720-24271
720-10051-4	BIN-1, 2, 3/3 Comp	T	Solid	7471A	720-24271
Analysis Batch:720-24304					
LCS 720-24270/2-A	Lab Control Spike	T	Solid	6010B	720-24270
LCSD 720-24270/3-A	Lab Control Spike Duplicate	T	Solid	6010B	720-24270
LCSSRM 720-24270/4-A	LCS-Standard Reference Material	T	Solid	6010B	720-24270
MB 720-24270/1-A	Method Blank	T	Solid	6010B	720-24270
720-10051-4	BIN-1, 2, 3/3 Comp	T	Solid	6010B	720-24270

Report Basis
T = Total

Report Basis
T = Total

Client: PES Environmental, Inc. Job Number: 720-10051-1

Method Blank - Batch: 720-24093

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-24093/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/25/2007 1258
Date Prepared: 07/25/2007 1258

Analysis Batch: 720-24093
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 072507007.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
1,1-Dichloroethene	ND		5.0
1,1-Dichloroethane	ND		5.0
Dichlorodifluoromethane	ND		10
Vinyl chloride	ND		5.0
Chloroethane	ND		10
Trichlorofluoromethane	ND		5.0
Methylene Chloride	ND		10
trans-1,2-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Dichlorobromomethane	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Chlorodibromomethane	ND		5.0
Chlorobenzene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,2-Dichlorobenzene	ND		5.0
Chloromethane	ND		10
Bromomethane	ND		10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
EDB	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	91	70 - 130
4-Bromofluorobenzene	91	60 - 140
1,2-Dichloroethane-d4 (Surr)	92	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-10051-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-24093

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-24093/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/25/2007 1208
Date Prepared: 07/25/2007 1208

Analysis Batch: 720-24093
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 072507005.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-24093/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/25/2007 1233
Date Prepared: 07/25/2007 1233

Analysis Batch: 720-24093
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 072507006.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloroethene	102	107	65 - 125	5	20		
Trichloroethene	97	101	74 - 134	4	20		
Chlorobenzene	95	101	61 - 121	7	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	91	96	70 - 130
4-Bromofluorobenzene	88	95	60 - 140
1,2-Dichloroethane-d4 (Surr)	93	97	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-10051-1

Method Blank - Batch: 720-24270

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 720-24270/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/01/2007 1302
Date Prepared: 07/31/2007 1906

Analysis Batch: 720-24304
Prep Batch: 720-24270
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Antimony	ND		2.0
Arsenic	ND		1.0
Barium	ND		1.0
Beryllium	ND		0.50
Cadmium	ND		0.50
Chromium	ND		1.0
Cobalt	ND		1.0
Copper	ND		1.0
Lead	ND		1.0
Molybdenum	ND		1.0
Nickel	ND		1.0
Selenium	ND		2.0
Silver	ND		1.0
Thallium	ND		1.0
Vanadium	ND		1.0
Zinc	ND		1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-10051-1

LCS-Standard Reference Material - Batch: 720-24270

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCSSRM 720-24270/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/01/2007 1312
Date Prepared: 07/31/2007 1906

Analysis Batch: 720-24304
Prep Batch: 720-24270
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 0.99 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	27.4	12.3	45	14 - 96	
Arsenic	22.7	22.0	97	72 - 128	
Barium	145	124	85	80 - 120	
Beryllium	1.09	0.955	88	65 - 134	
Cadmium	42.2	37.5	89	80 - 120	
Chromium	246	226	92	80 - 120	
Cobalt	65.1	67.5	104	72 - 128	
Copper	58.5	53.9	92	80 - 120	
Lead	44.1	37.8	86	75 - 126	
Molybdenum	61.0	55.3	91	62 - 138	
Nickel	96.8	85.2	88	80 - 120	
Selenium	165	158	95	80 - 120	
Silver	79.5	70.4	89	72 - 127	
Thallium	55.9	49.7	89	79 - 121	
Vanadium	56.7	53.0	93	63 - 137	
Zinc	44.0	35.7	81	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-10051-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-24270

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID: LCS 720-24270/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/01/2007 1304
Date Prepared: 07/31/2007 1906

Analysis Batch: 720-24304
Prep Batch: 720-24270
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-24270/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/01/2007 1308
Date Prepared: 07/31/2007 1906

Analysis Batch: 720-24304
Prep Batch: 720-24270
Units: mg/Kg

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Antimony	92	97	80 - 120	5	20		
Arsenic	102	105	80 - 120	4	20		
Barium	95	98	80 - 120	3	20		
Beryllium	94	98	80 - 120	3	20		
Cadmium	94	97	80 - 120	3	20		
Chromium	95	99	80 - 120	3	20		
Cobalt	96	99	80 - 120	3	20		
Copper	96	99	80 - 120	3	20		
Lead	94	97	80 - 120	3	20		
Molybdenum	99	103	80 - 120	4	20		
Nickel	94	97	80 - 120	3	20		
Selenium	99	103	80 - 120	4	20		
Silver	95	98	80 - 120	3	20		
Thallium	93	96	80 - 120	3	20		
Vanadium	95	98	80 - 120	3	20		
Zinc	94	97	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: PES Environmental, Inc. Job Number: 720-10051-1

Method Blank - Batch: 720-24271

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 720-24271/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/01/2007 1359
Date Prepared: 07/31/2007 1929

Analysis Batch: 720-24295
Prep Batch: 720-24271
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	ND		0.050

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-24271

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 720-24271/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/01/2007 1400
Date Prepared: 07/31/2007 1929

Analysis Batch: 720-24295
Prep Batch: 720-24271
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 720-24271/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/01/2007 1402
Date Prepared: 07/31/2007 1929

Analysis Batch: 720-24295
Prep Batch: 720-24271
Units: mg/Kg

Instrument ID: FIMS 100
Lab File ID: N/A
Initial Weight/Volume: 1 g
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	99	101	85 - 115	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

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

720-10051

106417

LABORATORY: STL

SAMPLERS: MR, DN

JOB NUMBER: 881-060-03-002

NAME / LOCATION: Sparkle Cleaners MW Inst.

PROJECT MANAGER:

RECORDER: MR

DATE				SAMPLE NUMBER / DESIGNATION	MATRIX				# of Containers & Preservatives						DEPTH IN FEET
YR	MO	DY	TIME		Vapor	Water	Soil	Sedim't	Unpres.	EnCore	H_2SO_4	HNO_3	HCl		
07	07	24	1435	BLW-1/3 COMP			X		X						
07	07	24	1444	BLW-2/3 COMP			X		X						
07	07	24	1430	BLW-3/3 COMP			X		X						

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)		
	*						Title 22 metals	7/24	
	X						X	Wet-Title 22 metals	X

NOTES

Turn Around Time: STANDARD

*8010 List of analytes

Composite 3 to 1

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) CR30	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature) DATE TIME	RECEIVED FOR LAB BY: (Signature)	DATE 7/24/07	TIME 16:30

METHOD OF SHIPMENT: ~4HRS Temp. 15.0°C

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

LOGIN SAMPLE RECEIPT CHECK LIST

Client: PES Environmental, Inc. Job Number: 720-10051-1

Login Number: 10051

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	3:1 COMP

DISTRIBUTION

POST-REMEDIATION REPORT
VOLUNTARY SOIL REMEDIATION
SPARKLE CLEANERS
EASTMONT TOWN CENTER
7000 BANCROFT AVENUE
OAKLAND, CALIFORNIA

SEPTEMBER 9, 2007

COPY NO. ____

		Copy No.
1 Copy	Alameda County Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, California 94502 Attention: Mr. Jerry Wickham	PDF only
1 Copy	SKB – Eastmont Oakland Associates, LLC 1211 SW Fifth Avenue, Suite 2600 Portland, Oregon 97204 Attention: Ms. Kathleen Schultz	1
3 Copies	PES Job Files	2 - 4
1 Copy	Unbound Original	5

QUALITY CONTROL REVIEWER

Robert S. Creps, P.E.
Principal Engineer