Appendix C

NO FURTHER ACTION LETTER FROM EPA REGION 9

United States Environmental Protection Agency
Region 9, Pacific Southwest
Emergency Response Section
2250 Obispo Ave., Ste. 101
Signal Hill, CA 90755

Field Code Changed

February 24, 2010

LCW Oil Operators, LLC
Tom Dean
6433 E. Second Street
Long Beach, CA 90607

Dear Mr. Dean:

LCW Oil Operators, LLC (LCW) have completed the removal of the hazardous substances from the property located at 6433 E. Second Street, Long Beach, California pursuant to the General Notice Letter issued on May 13, 2009. LCW has also completed the oil spill response operations pursuant to the Notice of Federal Interest issued on February 4, 2010. At this time no further actions are necessary, however EPA reserves the right to require addition work at such time as additional contaminants may be discovered

If you have any questions, please do not hesitate to contact Robert Wise at the numbers listed below.

Sincerely;

Robert Wise, CHMM
Federal On-Scene Coordinator
(562) 889 – 2572 (cell)
wise.robert@epa.gov

cc: Andrew Helmlinger, EPA ORC
Craig Whitenack, EPA CI
Ken Ehrlich, LCW Consel

Appendix D

CH2MHILL DECEMBER 2004 PHASE II

Final Report

Phase II Environmental Site Assessment Alamitos EPTC Parcel 3-4

Located at

NE Corner of the Intersection
of North Studebaker Road and Westminster Avenue
Long Beach, California

Prepared for

Southern California Edison
2244 Walnut Grove Avenue
Rosemead, California 91770

Prepared by

CH2MHILL
Southern California Office
3 Hutton Centre Drive
Suite 200
Santa Ana, CA 92707

December 2004

Phase II Environmental Site Assessment

Alamitos EPTC Parcel 3-4

December 2004

This Phase II Environmental Site Assessment has been prepared under the direction of the following environmental professionals. The environmental professionals attest to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based.

Prepared By: _____ Date: 12/30/04

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REGISTERED GEOLOGIST
DAVID L. MARK
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Acronyms

4,4′-DDE	4,4′-dichlorodiphenyldichloroethene
4,4′-DDT	4-4′-dichlorodiphenyltrichloroethane
$\mu g/m^3$	microgram(s) per cubic meter
AGS	Alamitos Generating Station
ASTM	American Society for Testing and Materials
bgs	below ground surface
° C	degrees Celsius
Caltrans	California Department of Transportation
CCR	California Code of Regulations
COC	chain-of-custody
CSCC	California State Coastal Conservancy
DHS	California Department of Health Services
DTSC	California Department of Toxic Substances Control
EPA	Environmental Protection Agency
EPTC	Edison Pipeline and Terminal Company
ESA	Environmental Site Assessment
ESL	environmental screening level
GIS	Geographical Information System
IDW	investigation-derived waste
LEL	lower explosive limit
MCL	maximum contaminant level
mg/kg	milligram(s) per kilogram
ml/min	milliliters per minute
MS/MSD	matrix spike/matrix spike duplicate
PID	photoionization detector
PCB	polychlorinated biphenyl

PPE	personal protective equipment
ppm	parts per million
ppmv	parts per million by volume
PRG	preliminary remediation goal
QA/QC	quality assurance/quality control
QC	quality control
RL	reporting limit
RWQCB	Regional Water Quality Control Board
SCE	Southern California Edison
STLC	soluble threshold limit concentration
SVOC	semi-volatile organic compound
TTLC	total threshold limit concentration
UCL	upper confidence limit
VOC	volatile organic compound

Executive Summary

CH2M HILL, on behalf of Southern California Edison (SCE), conducted a Phase II Environmental Site Assessment (ESA) at the Edison Pipeline and Terminal Company (EPTC) Parcel 3-4 property (the Site). The Site is located south of the Alamitos Generating Station (AGS), at the northeastern corner of the intersection of North Studebaker Road and Westminster Avenue, Long Beach, California (Figure 1-1).

SCE has offered to donate the Site, as is, to the California State Coastal Conservancy (CSCC). Prior to taking title to the property, CSCC has requested that SCE conduct a Phase II ESA to determine if there is onsite contamination that could pose a significant threat to human health and the environment, and potentially trigger regulatory action. CSCC retained California Department of Toxic Substances Control (DTSC) to provide technical support related to the Site.

As part of the Phase II ESA, 13 direct-push soil borings were advanced at the Site. In addition, soil samples were collected from an apparent debris pit area. A total of 47 soil samples were collected for laboratory analysis. Soil samples were collected from multiple depths (0.5, 5, and 10 feet below ground surface [bgs]) and analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals and chlorinated pesticides (including polychlorinated biphenyls [PCBs] at one location, in the reported drum storage area). For background metal analyses, soil samples from three nearby locations were also collected.

To assess potential impacts from the Huntington Beach Oil Field, a nearby waste disposal site, and possible historical onsite activities, soil gas samples were collected at nine locations throughout the Site and analyzed for VOCs, hydrogen sulfide, and methane gas.

In addition, four groundwater grab samples were collected at the four corners of the Site and analyzed for VOCs and SVOCs.

Conclusions

Based on the results of the site investigation, the following conclusions can be made.

- Overall, VOC, SVOC, chlorinated pesticide, and PCB concentrations did not exceed industrial PRGs, total threshold limit concentrations (TTLC), and 10 times soluble threshold limit concentration (STLC), screening criteria in the majority of the soil and soil gas samples collected at the Site; and the soil appears to be minimally impacted.
- Arsenic was the only analyte for which concentrations exceeded the industrial preliminary remediation goals (PRGs). However, it should be noted that, in California, background concentrations of several metals, particularly arsenic, often exceed industrial PRGs, as reported by the Kearney Foundation *Special Report on Background Concentrations of Trace and Major Elements in California Soils* (1996). One soil sample, collected at 5 feet bgs and at a location considered representative of background conditions, exhibited a lead concentration that exceeded 10 times the STLC.

- Lead concentration in one sample and nickel and vanadium concentrations in another sample exceeded the TTLC screening criteria. However, concentrations of lead, nickel, and vanadium for the deeper samples at these two locations were below the TTLC screening criteria.
- Soil gas concentrations for VOCs did not exceed the conservative shallow soil gas environmental screening levels (ESLs) for the commercial/industrial land use scenario published by the San Francisco Bay Area Regional Water Quality Control Board (RWQCB) (July 2003, Updated February 2004). Thus, the VOCs detected in soil gas samples would not pose a significant impact to indoor air at a future onsite building.

  Hydrogen sulfide gas was not detected in the 10 soil gas samples (including one duplicate) collected at the Site.

  Methane concentrations in soil gas samples were several orders of magnitude below the lower explosive limit (LEL) of 5 percent (50,000 parts per million [ppm]).
- No VOCs or SVOCs were detected in groundwater samples collected at the Site.

1.0 Introduction

This report summarizes the results of the Phase II Environmental Site Assessment (ESA) conducted at the Edison Pipeline and Terminal Company (EPTC) Parcel 3-4 property (the Site). The Site is located south of the Alamitos Generating Station (AGS), at the northeastern corner of the intersection of North Studebaker Road and Westminster Avenue, Long Beach, California (Figure 1-1). The field work was conducted on March 15 and 16, 2004.

1.1 Background

Southern California Edison (SCE) has offered to donate the Site, as is, to California State Coastal Conservancy (CSCC). Prior to taking title to the property, CSCC has requested that SCE conduct a Phase II ESA to determine if there is onsite contamination that could pose a significant threat to human health and the environment, and potentially trigger regulatory action. CSCC retained California Department of Toxic Substances Control (DTSC) to provide technical support related to the Site.

The Site is located south of AGS at the northeast corner of the intersection of North Studebaker Road and Westminster Avenue in Long Beach, California. The facility is adjacent to Westminster Avenue on the south and Studebaker Road on the west. The San Gabriel River is to the east of the eastern boundary of the property, beyond the Pacific Energy oil storage facility. An aerial photograph (taken in 2002) of the facility is shown in Figure 1-2.

1.2 Objectives

The objectives of the Phase II ESA were to:

- Determine whether soil and groundwater have been impacted from past use of the property
- Assess nature and extent of contamination, if present

1.3 Scope of Work

To comply with the above-mentioned objectives, CH2M HILL conducted soil, soil gas, and groundwater sampling at the Site and analyzed for the identified constituents of concern as described in Section 2.0.

Source: Thomas Guide, Los Angeles and Orange Counties, 2003.

Figure 1-1
Site Vicinity Map
Phase II ESA
Alamitos EPTC Parcel 3-4

CH2MHILL

E122004008SCO182222.EP.03 Vicinity_Map.ai 12/04

Feb 2002 (Date aerial photo was taken)

Figure 1-2
Site Map
Phase II ESA
Alamitos EPTC Parcel 3-4

CH2MHILL

E122004008SCO182222.EP.03 Topo_Map.ai 12/04

2.0 Field Investigation

This section summarizes the field activities associated with the Phase II ESA at the Site. Field sampling procedures, analytical requirements, field quality control (QC) requirements, and decontamination procedures are also briefly described. Site investigation activities included determination of sample locations, sample collection, sample analysis, and quality assurance/quality control (QA/QC). The field investigation was conducted in general accordance with the Work Plan and Health and Safety Plan (CH2M HILL, 2004) prepared for this investigation.

2.1 Determination of Sample Locations

Soil, soil gas, and groundwater samples were collected throughout the Site to assess the possible presence of subsurface impacts from past site uses. Figure 2-1 shows the sampling locations for the Site. Figure 2-2 shows the locations with the geographical information system (GIS) coordinates. Tables 2-1 through 2-3 summarize the samples collected, sampling depths, and laboratory analyses performed at each sample location.

Thirteen soil borings were advanced throughout the Site (SB1 through SB 13 in Figure 2-1). Soil samples were collected from multiple depths (0.5, 5, and 10 feet below ground surface [bgs]) and analyzed for metals, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and chlorinated pesticides (including polychlorinated biphenyls [PCBs] at one location, a reported drum storage area). Initially only samples from 0.5-foot and 5 feet bgs were analyzed. Deeper samples were archived for possible future analysis, based on results obtained from samples collected at 0.5-foot and 5 feet bgs.

A soil sample also was collected from an apparent debris pit area (DP1 in Figure 2-1). The debris pit area was initially cleared of concrete rubble using a backhoe. Samples were collected from the backhoe bucket at 0.5, 5, and 10 feet bgs below the debris and analyzed for metals, VOCs, SVOCs, and chlorinated pesticides. Initially only samples from 0.5-foot, and 5 feet bgs were analyzed. The deeper sample was archived for possible future analysis, based on results obtained from samples collected at 0.5-foot and 5 feet bgs.

For background metal analyses, soil samples from three locations were collected (BG-1 through BG-3 in Figure 2-1). Samples were collected at 5 feet bgs. These samples were collected onsite, but outside the large berm around the perimeter of the site. Reported onsite activities occurred within the bermed area.

To assess potential impacts from the Huntington Beach Oil Field, a nearby waste disposal site, and possible historical onsite activities, soil gas samples were collected at nine locations throughout the Site and analyzed for VOCs, hydrogen sulfide, and methane gas. Soil gas samples were collected along each of the four sides of the Site, and from the middle of the site (SG1 through SG10 in Figure 2-1). SG-08 was not installed due to saturated soil conditions at that location, resulting from ponding of water originating from a rain storm that occurred 13 days prior to the sampling event.

Table 2-1
Summary of Laboratory Analyses - Soil Samples
Phase II ESA
Alamitos EPTC Parcel 3-4

Location	Sample Number	Depth (ft)	Sample Type	Date	Total Metals (EPA 6010/7000)	VOCs (EPA 8260B)	SVOCs (EPA 8270C)	OC Pest. (EPA 8081)	PCBs (EPA 8082)	PID (ppm)	Comments
SB1	EPTC3-4-SB01-01	0.5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB01-02	5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB01-03	**10**	**N**	03/15/2004	NA					sample moist	
SB2	EPTC3-4-SB02-01	0.5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB02-02	5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB02-03	**10**	**N**	03/15/2004	NA					sample moist	
SB3	EPTC3-4-SB03-01	0.5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB03-02	5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB03-03	10	N	03/15/2004	1	1	1	1	NA	NR	
SB4	EPTC3-4-SB04-01	0.5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB04-02	5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB04-03	**10**	**N**	03/15/2004	NA					N/R	
SB5	EPTC3-4-SB05-01	0.5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB05-02	5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB05-03	**10**	**N**	03/15/2004	NA					N/R	
	EPTC3-4-SB05-04	5	FD	03/15/2004	1	1	1	1	NA	0.00	
SB6	EPTC3-4-SB06-01	0.5	N	03/15/2004	1	1	1	1	NA	N/R	
	EPTC3-4-SB06-02	5	N	03/15/2004	1	1	1	1	NA	N/R	
	EPTC3-4-SB06-03	**10**	**N**	03/15/2004	NA					N/R	
SB7	EPTC3-4-SB07-01	0.5	N	03/15/2004	1	1	1	1	NA	N/R	
	EPTC3-4-SB07-02	5	N	03/15/2004	1	1	1	1	NA	N/R	
	EPTC3-4-SB07-03	10	N	03/15/2004	1	1	1	1	NA	N/R	
SB8	EPTC3-4-SB08-01	0.5	N	03/15/2004	2	2	2	2	NA	0.00	MS/MSD
	EPTC3-4-SB08-02	5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB08-03	10	N	03/15/2004	1	1	1	1	NA	N/R	
	EPTC3-4-SB08-04	5	FD	03/15/2004	1	1	1	1	NA	0.00	
SB9	EPTC3-4-SB09-01	0.5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB09-02	5	N	03/15/2004	2	2	2	2	NA	0.00	MS/MSD
	EPTC3-4-SB09-03	10	N	03/15/2004	1	1	1	1	NA	N/R	
	EPTC3-4-SB09-04	0.5	FD	03/15/2004	1	1	1	1	NA	0.00	
SB10 (Drum Storage Area)	EPTC3-4-SB10-01	0.5	N	03/15/2004	1	1	1	1	1	0.00	
	EPTC3-4-SB10-02	5	N	03/15/2004	2	2	2	2	2	0.00	MS/MSD
	EPTC3-4-SB10-03	**10**	**N**	03/15/2004	NA					N/R	
	EPTC3-4-SB10-04	0.5	FD	03/15/2004	1	1	1	1	1	0.00	
SB11	EPTC3-4-SB11-01	0.5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB11-02	5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB11-03	**10**	**N**	03/15/2004	NA					N/R	
SB12	EPTC3-4-SB12-01	0.5	N	03/15/2004	2	2	2	2	NA	0.00	MS/MSD
	EPTC3-4-SB12-02	5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB12-03	10	N	03/15/2004	1	1	1	1	NA	N/R	
	EPTC3-4-SB12-04	5	FD	03/15/2004	1	1	1	1	NA	0.00	
SB13	EPTC3-4-SB13-01	0.5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB13-02	5	N	03/15/2004	1	1	1	1	NA	0.00	
	EPTC3-4-SB13-03	10	N	03/15/2004	1	1	1	1	NA	N/R	
DP-1	EPTC3-4-DP01-01	0.5	N	03/15/2004	1	1	1	1	NA	N/R	Debris Pit
	EPTC3-4-DP01-02	5	N	03/15/2004	1	1	1	1	NA	N/R	Debris Pit
	EPTC3-4-DP01-03	**10**	**N**	03/15/2004	NA					N/R	
BG-1	EPTC3-4-BG01-01	5	N	03/16/2004	1	NA	NA	NA	NA	N/R	Background
BG-2	EPTC3-4-BG02-01	5	N	03/16/2004	1	NA	NA	NA	NA	N/R	Background
BG-3	EPTC3-4-BG03-01	5	N	03/16/2004	1	NA	NA	NA	NA	N/R	Background
Equipment Blank	EPTC3-4-EB01			03/15/2004	NA	1	1	NA	NA	N/R	
	EPTC3-4-EB02			03/16/2004	1	1	1	1	1	N/R	
Trip Blank	EPTC3-4-TB			03/15/2004	NA	1	NA	NA	NA	N/R	
Total Samples					**47**	**46**	**45**	**44**	**5**		

Notes:

N = Normal Field Sample

FD = Field Duplicate

MS/MSD = Matrix Spike/Matrix Spike Duplicate

N/R = Not recorded

NA = Not analyzed

Sample Delivery Group # for Soil Sample Analysis is 04-03-0917 [includes a change order to analyze samples that were on hold initially]

Table 2-2
Summary of Laboratory Analyses - Soil Gas Samples
Phase II ESA
Alamitos EPTC Parcel 3-4

Location	Sample Number	Depth (ft)	Sample Type	Date	VOCs (TO-15)	H2S (Method 307-91)	Methane (SCAQMD Method 25-1)	Comments
SG1	EPTC3-4-SG01-01	5	N	03/15/2004	1	1	1	
	EPTC3-4-SG01-03	5	FD	03/15/2004	1	1	1	
SG2	EPTC3-4-SG02-01	5	N	03/15/2004	1	1	1	
SG3	EPTC3-4-SG03-01	5	N	03/15/2004	1	1	1	
SG4	EPTC3-4-SG04-01	5	N	03/15/2004	1	1	1	
SG5	EPTC3-4-SG05-01	5	N	03/15/2004	1	1	1	
SG6	EPTC3-4-SG06-01	5	N	03/15/2004	1	1	1	
SG7	EPTC3-4-SG07-01	5	N	03/15/2004	1	1	1	
SG8		5	N	03/15/2004				Not sampled due to saturated soil
SG9	EPTC3-4-SG09-01	5	N	03/15/2004	1	1	1	
SG10	EPTC3-4-SG10-01	5	N	03/15/2004	1	1	1	
Total Samples					**10**	**10**	**10**	

Notes:

N = Normal Field Sample

FD = Field Duplicate

MS/MSD = Matrix Spike/Matrix Spike Duplicate

Sample Delivery Group # for H2S and Methane Analysis is 04-03-0915

Sample Delivery Group # for VOCs Analysis is 04-03-0916

Table 2-3
Summary of Laboratory Analyses - Groundwater Samples
Phase II ESA
Alamitos EPTC Parcel 3-4

Location	Sample Number	Depth to GW (ft)	Sample Type	Date	VOCs (EPA 8260B)	SVOCs (EPA 8270C)	Comments
GW1	EPTC3-4-GW01-01	10	N	03/16/2004	1	1	
	EPTC3-4-GW05-01	10	FD	03/16/2004	1	1	Duplicate of EPTC 3-4 GW01-01
GW2	EPTC3-4-GW02-01	10	N	03/16/2004	1	1	MS/MSD
GW3	EPTC3-4-GW03-01	10	N	03/16/2004	1	1	
GW4	EPTC3-4-GW04-01	10	N	03/16/2004	1	1	
Total Samples					**5**	**5**	

Notes:

N = Normal Field Sample

FD = Field Duplicate

MS/MSD = Matrix Spike/Matrix Spike Duplicate

GW = Groundwater

Sample Delivery Group # for GW Sample Analysis is 04-03-0976

Groundwater grab samples were collected from four locations (GW 1 through GW 4 in Figure 2-1) to assess whether shallow groundwater beneath the Site has been impacted by on- or offsite sources.

2.2 Utility Location and Clearance

A utility survey was performed prior to beginning excavation and soil boring activities. The utility survey was performed to attempt to identify and locate underground utilities, buried piping, and/or other subsurface structures that may obstruct, impede, or cause hazard during sampling activities.

2.3 Field Procedures

Soil, soil gas, and groundwater samples were collected from borings advanced using direct-push technology (Geoprobe® 5400 drill rig). Field procedures for soil borings and sample collection are briefly summarized in this section. All fieldwork was performed in Level D personal protective equipment (PPE) according to the site-specific health and safety plan. A summary of the daily field log is provided in Appendix A.

2.3.1 Soil, Soil Gas, and Groundwater Sampling

Soil Sampling

Soil samples were collected using a Macro-Core Open-Tube Sampler® lined with a disposable clear acetate liner. A representative soil sample was obtained by driving the sampler into the undisturbed soil to reach the desired sampling depth. Three soil cores were collected from each soil boring location. Once the desired depth was reached, the sampler was retrieved and liner and soil core removed. The soil core was visually inspected for soil stains and other signs of contamination. The acetate liner was then cut into 6-inch sections and the soil samples (target sample, field duplicate, and/or matrix spike/matrix spike duplicate [MS/MSD]) from the appropriate depths was selected for laboratory analysis.

Prior to capping the soil-filled liners, three aliquots (for QC samples, additional aliquots were collected) of soil samples were collected from the appropriate depths (0.5, 5, and 10 feet bgs) using an En Core® Sampler for VOC analysis following SW846 Method 5035 (Closed-System Purge and Trap and Extraction for Volatile Organics in Soil and Waste Samples). For this soil sampling, a 5-gram version was used to collect the soil samples. No chemicals (such as methanol) were used in the sampling process. In addition, a soil-filled liner from each sampling interval was analyzed in the field by headspace analysis using a calibrated photoionization detector (PID). Headspace analysis was performed by extruding soil from the liner into a resealabale plastic bag. The sample was sealed in the bag and labeled to identify the borehole location and depth of the sample. The sealed soil sample was allowed to sit for approximately 5 minutes. The PID was then used to measure organic vapors present in the soil sample. Headspace measurements were collected at various depths. Results of the PID readings are provided in Table 2-1.

Soil Gas Sampling

Prior to installation of the soil gas probes, one boring was completed to a depth of 16 feet bgs to determine the lithology and depth to water, which would impact the collection of soil gas samples. This was conducted next to the SG-9 location, as shown in Figure 2-1. The lithology of the boring showed sandy silt, silty gravel, clayey silt, silt, silty clay and fine-grain sand at 15 feet bgs (Appendix B). Water was encountered at 10 feet with the soil being very moist at 8 feet. Consequently, soil gas samples were collected at 5 feet bgs, above the capillary fringe. Only one boring log is attached because the other boring locations exhibited the same lithology. It is important to note that the underlying soils are fill material, specifically dredge spoils; and that the same conditions were observed at previous sampling throughout the power plant and tank farm. Moreover, a Registered Geologist was onsite during the drilling of the borings, and verified that the attached boring log is representative of the lithology of the entire site.

Soil gas sampling probes were installed using a percussion hammer. Once a probe was installed to the desired depth, the 1.5-inch-diameter hollow probe drive-rods were withdrawn. The Nylaflow™ sampling tube (1/4-inch diameter) was placed into the borehole. The end of the sampling tube was plugged with a Nylon™ screw. Clean, graded (No. 3), kiln-dried, RMC Lonestar sand was poured around the perforated section of Nylaflow™ sample tubing to allow for diffusion of soil vapors. Approximately 6 inches of granular bentonite was added above the sand pack and hydrated. The remaining annulus was filled with cement mortar/bentonite grout to slightly below grade. Therefore, at no time were the soil gas samples exposed to metal parts.

After a waiting period of at least 30 minutes as shown in Table 2-4, the probe tubing was connected to an electric vacuum pump via a Nylon (or Teflon) 2-way valve. With the valve in the open position between the probe and the vacuum pump, the probe was purged at a rate of 200 milliliters per minute (ml/min). The probe tubing was purged of three volumes, which is the DTSC/Regional Water Quality Control Board (RWQCB) recommended default when a mobile laboratory is not used.

TABLE 2-4
Summary of Soil Gas Probe Installation Time and Sampling Time

Sample ID	Probe Installation Time	Time Purging Can Begin	Sampling Time
SG-01-01	8:10	8:40	9:25
SG-01-03	8:10	8:40	9:26
SG-02-01	8:30	9:00	10:42
SG-03-01	8:50	9:20	11:14
SG-04-01	9:15	9:45	11:42
SG-05-01	9:23	9:53	12:01
SG-06-01	10:20	10:50	12:39
SG-07-01	11:07	11:37	12:58
SG-09-01	11:29	11:59	13:22
SG-10-01	10:44	11:14	12:17

Leak check protocols were implemented by placing a rag dampened with isopropyl alcohol at the probe tubing/ground surface interface. The laboratory analyzed for isopropyl alcohol as part of the Environmental Protection Agency (EPA) Method TO-15 analysis. Isopropyl alcohol was not detected (Table 3-4) in any of the samples collected, demonstrating that there was no leakage present. After removing three purge volumes, the 2-way valve was connected to a Tedlar bag to collect a sample for methane. Another Tedlar bag was collected for hydrogen sulfide.

Nine hydrogen sulfide samples were collected at the site, plus one duplicate. All results were nondetection. The DTSC/RWQCB guidance for soil gas sampling and analysis (January 28, 2003) recommends collection of duplicates for all samples if they are not going to be analyzed within 30 minutes of sample collection. However, the nine samples and one duplicate provide a reliable indication of the presence of hydrogen sulfide gas at the Site.

A Summa canister with flow regulator and valve preset at 200 ml/min, used for VOC sample collection, was then opened and allowed to fill according to laboratory specifications. After filling, the valve was closed; and the Summa canisters were labeled.

One soil gas sample (SG-08) was not collected due to saturated soil conditions in the northwest corner of the site. Water from a storm had ponded on the surface in that location due to low permeability of the soil present. According to rainfall data for Los Alamitos, California, the samples were taken 13 days after the last rainfall event of 0.8-inch, which occurred on March 2. However, soil gas samples were collected at the other nine locations.

When soil gas sampling was completed, the Nylaflow™ tubing was plugged with a Nylon™ screw, folded over, and pushed down-hole until slightly below grade. The remaining depression was filled with concrete mortar and finished flush with grade.

The soil gas survey was conducted in general accordance with the DTSC/ RWQCB "Advisory – Active Soil Gas Investigations" dated January 28, 2003.

Groundwater Sampling

Groundwater samples were collected using a Geoprobe® Screen Point 15 groundwater sampler. Groundwater samples were collected passively. The sampler was driven below the water table (approximately between 12 and 15 feet bgs) and then partially withdrawn to expose the screen of the sampler, thus allowing the groundwater to passively flow through the screen. A 0.5-inch-diameter disposable bailer (6-inch length) was then inserted through the sampler to collect the VOC samples. Once the VOC samples were collected, a peristaltic pump was used to collect all other samples.

2.3.2 Sample Handling, Packaging, and Shipping

Each of the selected soil sample liners were capped with Teflon® film and plastic end caps. After attaching sample labels, the soil sample liners were sealed in separate resealable plastic bags and packed in insulated coolers maintained at 4 degrees Celsius (°C). Soil sample information, including sample description and location information, was logged in the daily field logbook.

At the end of the day, the insulated coolers were sent to the analytical laboratory for analysis under chain-of-custody (COC). The COC documentation was sealed in a plastic bag and taped to the inside of the cooler lid. Coolers were picked up onsite by the courier of the designated laboratory at the end of each sampling day.

Each of the soil gas Tedlar bags and Summa canisters was labeled. Soil gas sample information, including sample description and location information, was logged in the daily field logbook. At the end of the day, the Tedlar bags and Summa canisters were sent to the analytical laboratory for analysis under the COC procedures described above.

2.3.3 Equipment Decontamination

Equipment used for soil, soil gas, and groundwater sampling was decontaminated prior to use at each sampling location. Typical equipment included soil and groundwater samplers, drive rods, trowels, and miscellaneous field equipment. The following decontamination procedures were followed:

- Wash with tap water, using a brush if necessary.
- Wash with Alconox ™, or a phosphate-free detergent, and tap water solution, using a brush if necessary.
- Rinse with tap water.
- Rinse with distilled or deionized water.
- Air dry.

Drilling equipment was decontaminated prior to advancement of each soil boring. Decontamination water was stored in labeled 55-gallon drums and managed as described in Section 2.3.4.

2.3.4 Waste Management

Three types of investigation-derived waste (IDW) materials were generated during the field activities. These include household garbage and discarded PPE, decontamination water, and drill cuttings. The waste materials were managed in accordance with procedures listed below.

Household garbage (paper towels and cups) and discarded PPE (such as nitrile gloves) were contained in trash bags and disposed as municipal solid waste.

Decontamination water generated during the field activities was collected in a 35-gallon California Department of Transportation (Caltrans)-approved drum. The container was labeled to indicate the date, content, drilling locations, and Edison point of contact. The drum was temporarily stored at the Site pending laboratory analytical results of the soil samples. Based on the analytical results, the decontamination water was determined to be nonhazardous and, therefore, could be disposed of at the Site.

Minimal drill cuttings were generated during direct-push soil borings. The soil boreholes were backfilled with bentonite chips and hydrated. The drill cuttings were stockpiled at the Site pending laboratory analytical results of the soil samples. Based on the analytical results, the stockpiled soil was determined to be nonhazardous and, therefore, could be disposed of at the Site.

2.4 Laboratory Analysis

Soil, soil gas, and groundwater samples collected during the investigation were analyzed by a laboratory certified by the California Department of Health Services (DHS) for the analytical methods conducted. For this investigation, Calscience Environmental Laboratories located at 7440 Lincoln Way, Garden Grove, California, conducted the laboratory analyses. The samples were analyzed as per the analytical methods listed in Table 2-5.

TABLE 2-5
Sample Collection and Laboratory Analysis Requirements

Analyte	Method	Preservation	Holding Time	Sample Container
Total Metals	EPA Method 6010/7000 Series	Cool to 4° C	6 months (Mercury—28 days)	8-oz jar (soil)
Chlorinated Pesticides	EPA Method 8081	Cool to 4° C	14 Days	8-oz jar (soil)
VOCs	EPA Method 8260B	Cool to 4° C	14 Days	5-gram Encore® sampler (soil) 40-ml VOA preserved with hydrochloric acid (groundwater)
SVOCs	EPA Method 8270C	Cool to 4° C	14 Days	8-oz jar (soil) 1-L amber glass preserved with sodium thiosulfate (groundwater)
PCBs	EPA Method 8082	Cool to 4° C	14 Days	8-oz jar (soil)
VOCs (gas)	EPA Method TO-15	--	24 Hours	6-L glass-lined SUMMA™ canisters
Hydrogen Sulfide	South Coast Air Quality Management District (SCAQMD) Method 307-91	--	24 Hours	1-L Tedlar bags
Methane	American Society for Testing and Materials (ASTM) 3416M	--	24 Hours	1-L Tedlar bags

2.5 Quality Assurance/Quality Control

QA/QC procedures were developed and implemented for this investigation, as summarized below.

2.5.1 Quality Assurance

QA included development and implementation of a sampling program, laboratory analyses, and data review that will provide data to a degree consistent with the intended use. Data generated from this investigation was used to evaluate potential impacts at the Site from past activities. QA procedures were conducted to ensure that the appropriate sampling program, laboratory analyses, and data review were performed.

2.5.2 Quality Control

QC samples were collected and submitted to the analytical laboratory for analysis to provide a means to assess the quality of the data obtained from the field investigation. QC samples included duplicates and blanks (both equipment rinsate blanks and trip blanks) as described below. In addition, laboratory QC samples (MS/MSD) were also analyzed as a means of assessing the analytical performance of the laboratory.

The sample containers for QC samples were assigned an identification number in the field so they could not be identified by laboratory personnel performing the analysis. For soil samples, five field duplicates and four MS/MSDs were collected. For soil gas and groundwater samples, one field duplicate each was collected. Two equipment rinsate blanks and one trip blank were also collected. A summary of the QC samples is presented below.

Field Duplicate Samples

A field duplicate sample is a second sample collected at an adjacent depth at the same location as the original sample. A duplicate sample was collected simultaneously or in immediate succession using identical recovery techniques and treated in an identical manner during storage, transportation, and analysis. The sample container was assigned an identification number in the field such that it could not be identified (blind duplicate) as duplicate samples by laboratory personnel performing the analyses. Specific locations were designated for collection of field duplicate samples before beginning sample collection.

The duplicate sample result was used to assess precision of the sample collection process.

Equipment Blank

An equipment blank is a sample of American Society for Testing and Materials (ASTM) Type II reagent grade water poured into or over a sampling device, collected in the sample container, and transported to the laboratory for analyses. Equipment blanks are used to assess the effectiveness of equipment decontamination procedures. The equipment blank was analyzed for all laboratory analyses requested for the environmental samples collected at the Site. For the field activities conducted at the Site, two equipment blanks, one for each day of field work, were collected using distilled water.

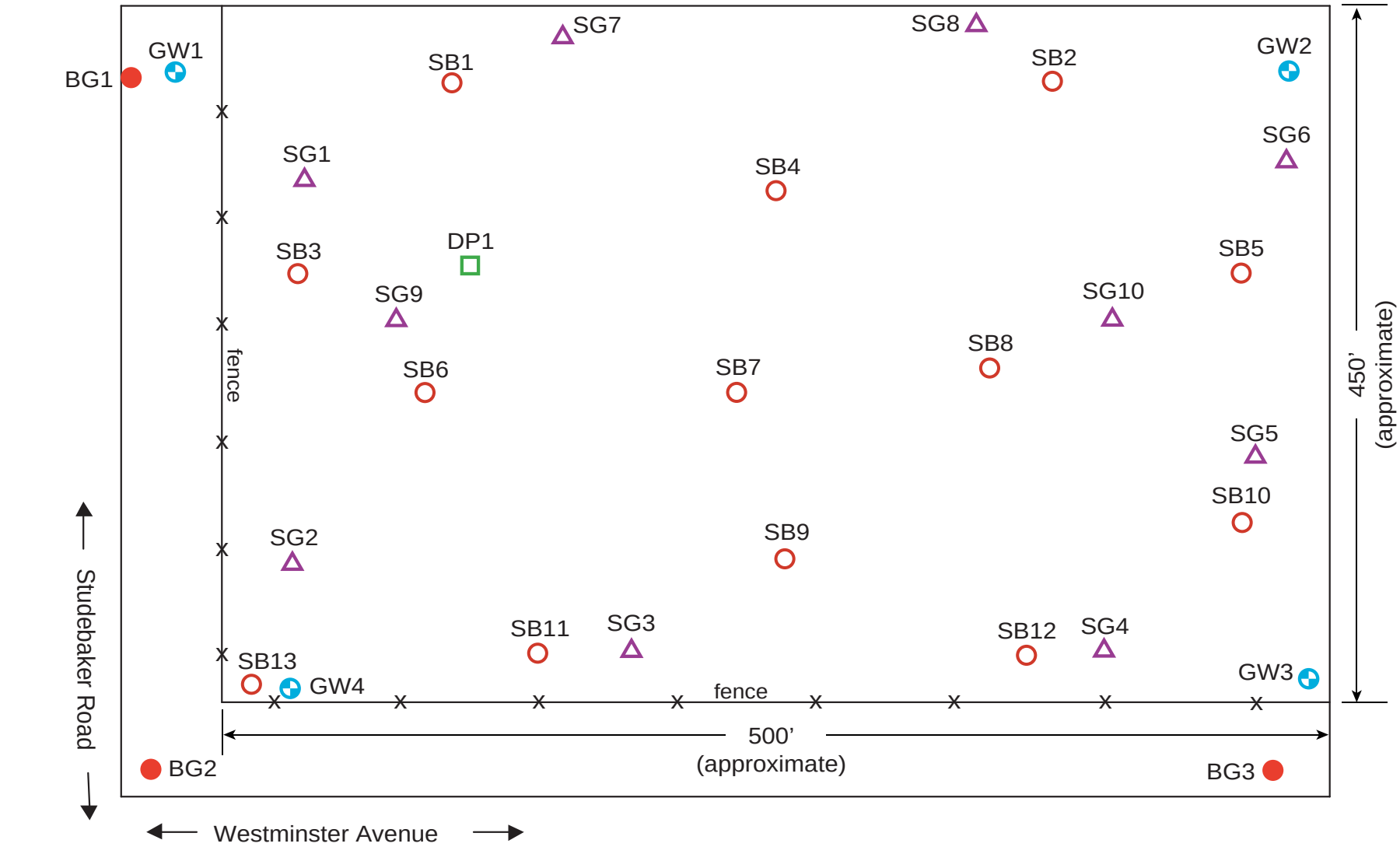
Trip Blank

The trip blank consists of a VOC sample vial filled in the laboratory filled with ASTM Type II reagent grade water, transported to the sampling site, handled like an environmental sample and returned to the laboratory for analyses. Trip blanks are not opened in the field. Trip blanks are prepared only when VOC samples are taken and are analyzed only for VOC analytes. Trip blanks are used to assess the potential introduction of contaminants from sample containers or during the transportation and storage procedures. For the field activities conducted at the Site, one trip blank sample was utilized and analyzed for VOC analytes.

Laboratory Quality Control Samples

Laboratory spike and duplicate analyses were performed on field samples as a QC check. A minimum of 1 per 10 samples (including field blanks and duplicates), whichever was greater, was designated as the "MS/MSD sample" for the matrix spike/matrix spike duplicate and laboratory duplicate analysis.

Laboratory QC samples were selected from sampling points that were suspected to be moderately contaminated. The sample container and all paperwork were labeled as "MS/MSD sample."



Legend:

- SB Soil Boring
- GW Soil Boring
- DP Debris Pit
- SG Soil Gas
- BG Background Sample

N
not to scale

Figure 2-1
Sampling Locations
Phase II ESA
Alamitos EPTC Parcel 3-4

CH2MHILL

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Figure 2-2
Sampling Locations (GIS Coordinates)
Phase II ESA
Alamitos EPTC Parcel 3-4

CH2MHILL

E122004008SCO182222.EP.03 SampLocs.ai 12/04

3.0 Results

This section provides the results of the soil, soil gas, and groundwater samples collected at the Site. Analytical results are compared to the screening criteria described below.

3.1 Screening Criteria

To facilitate a preliminary understanding of the significance of the chemicals detected at the Site, soil, soil gas, and groundwater sample analytical results were compared to the following screening criteria:

- Concentrations of metal, VOC, SVOC, chlorinated pesticide, and PCB constituents detected in soil samples were compared to industrial preliminary remediation goals (PRGs) published by EPA Region IX, incorporating DTSC toxicity values. In the absence of other screening criteria, a comparison to industrial PRGs is conducted to provide some context to the significance of detected concentrations. It should be noted that soils naturally contain metals so detections are to be expected. Furthermore, in California, background concentrations of several metals (e.g., arsenic) often exceed industrial PRGs as reported by the Kearney Foundation *Special Report on Background Concentrations of Trace and Major Elements in California Soils* (1996).
- Concentrations of metals detected in the soil samples were also compared to total threshold limit concentrations (TTLCs), which are listed in California Code of Regulations (CCR) Title 22, paragraph 66261.24, "Characteristics of Toxicity for Waste Classification." TTLCs are specifically developed to classify wastes for disposal purposes. For this investigation, soil sample concentrations were also compared to 10 times the soluble threshold limit concentration (STLC).
- Concentrations of VOCs and SVOCs in groundwater were compared to the California State Maximum Contaminant Levels (MCLs) published by the Central Valley Regional Water Quality Control Board in its August 2003 edition of compilation of water quality goals.
- Concentrations of VOCs, methane, and hydrogen sulfide in soil gas samples were compared to the shallow soil gas environmental screening levels (ESLs) for commercial/industrial land use scenario published by the San Francisco Bay Area RWQCB (July 2003, Updated February 2004). The ESLs are conservative values and are used for evaluation purpose only. The ESLs were derived from the Johnson and Ettinger (1991) Model for Subsurface Vapor Intrusion into Buildings.

3.2 Data Validation

Laboratory analytical data were reviewed and validated by the Project Chemist following EPA guidelines (EPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999). A Level III validation (calibration and QC summaries) of 100 percent of the analytical data and a Level IV (raw data) of 10 percent of the analytical data was conducted. A copy of the data validation report is provided in Appendix C.

Overall, approximately 500 out of 7,000 data points, or approximately 7 percent of the data, were qualified in data verification and validation. The majority of data qualifiers were applied for one of the following three reasons:

1. Initial or continuing calibration recovery outliers in the volatile and semivolatile organic analyses. The majority of the data qualified were for analytes, such as hexachlorocylcopentadiene, benzidine, acetone, and some of the volatile gasses that are known to perform poorly in the SW8270C and SW8260B analyses. These data are qualified as estimated detected or nondetected concentrations.
2. Low-level field or laboratory contamination that may impact similar detections in samples. The amount of contamination identified was very minor and did not impact project decisionmaking.
3. Interference from the sample matrix was also encountered in several of the methods. These data are also qualified as estimated detected or nondetected concentrations.

During data verification and validation, the impact to the sample data for the site characterization was considered. Data qualified due to QC exceedances known to impact project decisionmaking were qualified as rejected, "R" qualified. Approximately 0.5 percent of the total amount of data collected was rejected for project use.

3.3 Results and Evaluation

The results of the laboratory analyses are summarized below. A copy of the laboratory analytical reports is provided in Appendix D.

3.3.1 Soil Samples

A total of 50 soil samples were collected from the Site. Of the 50 samples, 47 samples were analyzed for metals, VOCs, SVOCs, chlorinated pesticides, and PCBs.

Metals

Arsenic was detected at the Site in several of the samples collected above the laboratory reporting limit (RL) (Table 3-1). The concentrations of arsenic ranged from nondetected to 34.7 milligrams per kilogram (mg/kg). Most of the arsenic concentrations exceed the industrial PRG screening criteria of 1.6 mg/kg. No arsenic concentrations exceeded the TTLC or 10 times the STLC.

Three background samples were collected and analyzed for metals. Arsenic was detected in all the three samples (concentrations ranged from 1.81 mg/kg to 5.84 mg/kg). The 95 percent upper confidence limit (UCL) of the mean for arsenic in background samples was 5.45 mg/kg (Table 3-1). Arsenic concentrations at only six locations at the Site exceeded the 95 percent UCL value of 5.45 mg/kg. Moreover, most of the arsenic concentrations observed onsite are generally within the range of background concentrations observed throughout California, as reported by the Kearney Foundation (1996).

Lead concentrations ranged from nondetected to 190 mg/kg with one sample exhibiting a concentration of 3,420 mg/kg (EPTC 3-4-SB 08-01), which exceeds the TTLC screening criteria of 1,000 mg/kg. All other lead concentrations were below the TTLC and PRG screening criteria. Three soil samples exceeded the 10 times STLC criteria, and the concentration ranged from 56.3 mg/kg (estimated) to 190 mg/kg. The sample identifications were EPTC 3-4-SB 09-02, EPTC 3-4-SB 03-02, and EPTC 3-4-SB 13-02. The concentration of lead in the three background samples ranged from 5.35 mg/kg to 56.2 mg/kg. The 95 percent UCL of the mean for lead in background samples was 49.79 mg/kg (Table 3-1). Only three samples had lead concentration that exceeded the 95 percent UCL of the mean.

One sample, EPTC 3-4-SB 07-02, reported concentration for nickel and vanadium above the TTLC screening criteria of 2,000 mg/kg and 2,400 mg/kg, respectively. However, concentrations of nickel and vanadium for the deeper sample at this location were below the TTLC screening criteria. No sample exceeded the industrial PRG screening criteria for nickel and vanadium.

EPTC 3-4-SB 08-01, EPTC 3-4-SB 09-02, EPTC 3-4-SB 12-01, EPTC 3-4-SB 07-02, EPTC 3-4-SB 13-02, and EPTC 3-4-SB 03-02 collected either at 0.5 or 5 feet bgs exceeded screening criteria for metals. Based on the results of these analyses, samples collected at 10 feet bgs were removed from hold and analyzed for metals. No metals were detected above screening criteria in soil samples collected at 10 feet bgs at the Site.

VOCs

Acetone, benzene, and toluene were detected above the RL in several samples; however, concentrations were below their industrial PRGs (Table 3-2). The concentration of acetone ranged from nondetected to 0.047-mg/kg in sample EPTC 3-4 SB 13-02. Maximum concentrations of benzene and toluene were 0.0063-mg/kg and 0.0054-mg/kg in sample EPTC 3-4 SB 02-01 at 0.5-foot bgs. No other VOC was detected above the RL in samples collected at the Site.

SVOCs

No SVOCs were detected above the RL in samples collected at the Site.

Chlorinated Pesticides

4,4'-dichlorodiphenyldichloroethene (4,4'- DDE), 4,4'-dichlorodiphenyltrichloroethane (4,4'-DDT), chlordane, and dieldrin were detected in samples above the RL (Table 3-3). However, concentrations were below the industrial PRG screening criteria of 7.0 mg/kg for 4,4'-DDE and 4,4'-DDT, 6.5 mg/kg for chlordane, and 110 mg/kg for dieldrin. Maximum concentrations of 4,4'-DDE and 4,4'-DDT were 0.51-mg/kg and 0.15-mg/kg, respectively, in sample EPTC 3-4 SB 07-01. The maximum concentration of chlordane was 0.11-mg/kg in the same sample (EPTC 3-4 SB 07-01), at 0.5-foot bgs. The maximum concentration of dieldrin was estimated at 0.008-mg/kg in sample EPTC 3-4 SB 08-01.

3.3.2 Soil Gas Samples

Methane and 18 VOCs were detected above the RL in the soil gas samples (Table 3-4). Of the 18 detected VOCs in soil gas, only 3 VOCs were found in all of the soil gas samples (acetone, benzene, and toluene), which were the only constituents detected above the reporting limits in the soil samples. The maximum concentration of acetone (160 micrograms per cubic meter [$\mu g/m^{3l}$) was detected in EPTC-3-4-SG-01-01. The maximum concentration of benzene (60 $\mu g/m^3$) was detected in EPTC-3-4-SG-02-01. The maximum concentration of toluene (94 $\mu g/m^3$) was detected in EPTC-3-4-SG-10-01. Results of the soil samples from nearby borings were examined. The maximum acetone soil concentration was at SB-13, next to SG-02, which had the highest benzene soil gas concentration. The highest benzene and toluene soil concentrations in SB-05 are close to SG-10 with the highest toluene concentration.

Concentrations of VOCs in soil gas samples were compared to the shallow soil ESL for commercial/industrial land use scenario published by the San Francisco Bay Area RWQCB (July 2003, Updated February 2004). The ESLs are conservative values and are used for evaluation purpose only. The ESLs were not exceeded in the soil gas samples (Table 3-4).

The reporting or quantitation limit for hydrogen sulfide was 1 part per million by volume (ppmv); while the method detection limit was 0.157-ppmv. The results of the analyses indicate no detection above 0.157-ppmv (Table 3-4). Hydrogen sulfide was not detected above 0.5-ppmv in the 10 samples collected at the Site (including one duplicate).

The maximum detected methane concentration is 3 ppmv. This is several orders of magnitude below the lower explosive limit (LEL) of 5 percent (50,000 ppmv).

3.3.3 Groundwater Samples

No VOCs or SVOCs were detected above the RL in any of the four groundwater samples collected at the Site.

Table 3-1
Summary of Detected Metal Analytical Results - Soil Samples
Phase II ESA
Alamitos EPTC Parcel 3-4

Sample Number	Depth (ft)	Sample Type	Sampling Date	Units	Metals																
					Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
EPTC 3-4 BG01-01	5	N	3/16/04	MG/KG	0.75 U	3.12	123	0.502	1.39	21.2	12	26.6	38.5	0.0469 J	0.25 U	45	0.75 U	0.25 U	0.75 U	50.5	63.6
EPTC 3-4 BG02-01	5	N	3/16/04	MG/KG	0.75 U	5.84	148	0.429	1.34	22.8	11.3	35.1	56.2	0.064 J	0.164 U	23.8	0.75 U	0.25 U	0.75 U	42.3	151
EPTC 3-4 BG03-01	5	N	3/16/04	MG/KG	0.75 U	1.81	112	0.472	1.12	20.9	11.4	18.6	5.35	0.0256 J	0.518	17.3	0.75 U	0.25 U	0.75 U	42.8	52.9
EPTC 3-4 DP 01-01	0.5	N	3/15/04	MG/KG	0.75 U	4.32	100	0.345	0.872	19.8	7.55	16.6	41	0.047 J	0.0551 U	14.6	0.75 U	0.25 U	0.75 U	30.9	63.4
EPTC 3-4 DP 01-02	5	N	3/15/04	MG/KG	0.75 U	3.37	140	0.511	1.24	21.3	11.3	28.8	14.8	0.0528 J	0.25 U	20.8	0.75 U	0.25 U	0.75 U	41.2	61.1
EPTC 3-4 SB 01-01	0.5	N	3/15/04	MG/KG	0.75 U	5.3	154	0.561	1.3	22.4	12.6	27.8	10	0.0574 J	0.657	22.5	0.75 U	0.25 U	0.75 U	50.8	55.3
EPTC 3-4 SB 01-02	5	N	3/15/04	MG/KG	0.75 U	5.47	127	0.328	0.844	16.5	9.37	18.7	3.13	0.024 J	0.25 U	13.8	0.75 U	0.25 U	0.75 U	32.7	40
EPTC-3-4 SB 02-01	0.5	N	3/15/04	MG/KG	0.75 U	5.74	130	0.536	1.25	21.1	13.7	26.3	8.76	0.0422 J	0.686	18.8	0.75 U	0.25 U	0.75 U	45.1	94
EPTC 3-4 SB 02-02	5	N	3/15/04	MG/KG	0.75 U	3.53	159	0.689	1.51	29.3	14.2	37.4	7.68	0.0558 J	0.25 U	22.6	0.75 U	0.25 U	0.75 U	51.2	69.5
EPTC 3-4 SB 03-01	0.5	N	3/15/04	MG/KG	0.75 U	11	121	0.47	1.15	25.9	10.3	20.8	17.4	0.0926	0.0293 U	17.9	0.75 U	0.0515 J	0.75 U	37.3	61.2
EPTC 3-4 SB 03-02	5	N	3/15/04	MG/KG	0.75 U	7.45	203	0.666	1.94	31.7	15.9	39.7	74.1	0.078 J	0.25 U	43.7	0.75 U	0.25 U	0.75 U	70.6	99.7
EPTC 3-4 SB 03-03	10	N	3/15/04	MG/KG	0.75 U	2.9	118	0.398	0.872	17.6	11.9	22.6	4.46	0.0241 J	0.25 U	15.8	0.75 U	0.25 U	0.75 U	36.3	46.5
EPTC 3-4 SB 04-01	0.5	N	3/15/04	MG/KG	0.75 U	3	84.8	0.345	0.833	16.6	7.58	15.6	25.9	0.0493 J	0.0282 U	15.1	0.75 U	0.25 U	0.75 U	31.5	62.8
EPTC 3-4 SB 04-02	5	N	3/15/04	MG/KG	0.75 U	2.2	145	0.463	1.18	19.9	11.1	23.7	5.56	0.0319 J	0.25 U	20.1	0.75 U	0.25 U	0.75 U	43.9	49.1
EPTC 3-4 SB 05-01	0.5	N	3/15/04	MG/KG	0.75 U	2.09	120	0.792	1.51	25.1	13.3	25.9	7.88	0.0162 J	0.25 U	19.5	0.75 U	0.25 U	0.75 U	51.1	67.1
EPTC 3-4 SB 05-02	5	N	3/15/04	MG/KG	0.75 U	0.75 UJ	161	0.634	1.53	27.9	14.4	39.9	6.32	0.0521 J	0.25 U	22.2	0.75 U	0.25 U	0.75 U	42.2	68.4
EPTC 3-4 SB 05-04	5	FD	3/15/04	MG/KG	0.75 U	0.594 U	162	0.659	1.64	27.1	13.7	37.1	9.33	0.0326 J	0.25 U	22.9	0.75 U	0.25 U	0.75 U	44.7	71.4
EPTC 3-4 SB 06-01	0.5	N	3/15/04	MG/KG	0.75 U	3.7	139	0.51	1.03	20.9	9.86	21.5	11.1	0.0592 J	1.01	19.9	0.75 U	0.25 U	0.75 U	40.8	49.4
EPTC 3-4 SB 06-02	5	N	3/15/04	MG/KG	0.75 U	2.81	147	0.534	1.36	23.8	12	29.3	31.2	0.0521 J	0.25 U	29.9	0.75 U	0.25 U	0.75 U	44.7	72.1
EPTC 3-4 SB 07-01	0.5	N	3/15/04	MG/KG	0.75 U	5.37	154	0.504	1.02	21.9	12.3	22.4	10.2	0.211	0.25 U	20.1	0.75 U	0.25 U	0.75 U	43.2	48.9
EPTC 3-4 SB 07-02	5	N	3/15/04	MG/KG	7.09	10.8	234	2	12.3	23.3	61.1	16.3	30.6	0.0178 J	3.62	2370	31.9	0.25 U	22.2	3430	52.8
EPTC 3-4 SB 07-03	10	N	3/15/04	MG/KG	0.75 U	34.7	152	0.474	0.999	20.2	10.8	21.8	4.76	0.0472 J	0.25 U	17	0.75 U	0.25 U	0.75 U	40.1	48.1
EPTC 3-4 SB 08-01	0.5	MS/MSD	3/15/04	MG/KG	0.75 UJ	17.3	637	0.413	1.18	23.1	8.65	35.7	3420	0.134	0.443	18.2	0.75 U	0.103 J	0.75 UJ	37.2	359
EPTC 3-4 SB 08-02	5	N	3/15/04	MG/KG	0.75 U	4.79	151	0.522	1.07	20.6	10.9	23.4	9.87 J	0.451 J	0.71 J	17.3	0.75 U	0.25 U	0.75 U	41.9	52.1
EPTC 3-4 SB 08-03	10	N	3/15/04	MG/KG	0.75 U	2.7	77.3	0.34	0.0676 J	17.1	8.33	17.7	3.05	0.0489 J	0.25 U	13.5	6.89	0.25 U	0.75 U	30.8	43.3
EPTC 3-4 SB 08-04	5	FD	3/15/04	MG/KG	0.75 U	5.3	169	0.744	1.49	26.9	15.1	26.8	6.48 J	0.0737 J	0.0602 U	20.8	0.75 U	0.25 U	0.75 U	59.3	74.8
EPTC 3-4 SB 09-01	0.5	N	3/15/04	MG/KG	0.75 U	2.58 J	73.1	0.338	1.04	15.2	7.9	18.1	42.3 J	0.0378 J	0.25 U	15	0.75 U	0.0577 J	0.75 U	28.9	81.5 J
EPTC 3-4 SB 09-02	5	MS/MSD	3/15/04	MG/KG	0.75 UJ	5.04	81.1	0.43	1.44	16.7	9.51	18.5	56.3 J	0.0765 J	0.25 U	39.4	0.75 U	0.25 U	0.75 U	113	194 J
EPTC 3-4 SB 09-03	10	N	3/15/04	MG/KG	0.75	5.6	143	0.435	0.248 J	19.4	11.4	21.9	4.56	0.0294 J	0.25 U	18	8.7	0.25 U	075 U	36.8	55.8
EPTC 3-4 SB 09-04	0.5	FD	3/15/04	MG/KG	0.75 U	1.25 J	67.6	0.321	0.842	15.2	7.18	12.9	20 J	0.0322 J	0.25 U	10.8	0.75 U	0.25 UJ	0.75 U	27.9	50.9 J
EPTC 3-4 SB 10-01	0.5	N	3/15/04	MG/KG	0.75 U	1.93 J	33.2 J	0.152 J	0.352 J	5.33 J	3.19 J	6.01 J	2.8 J	0.0223 J	0.132 U	12.3	0.75 U	0.25 UJ	0.75 U	23.9	21.9
EPTC 3-4 SB 10-02	5	MS/MSD	3/15/04	MG/KG	0.75 UJ	4.74	122 J	0.429	0.882	17	8.93	19.6	6.84	0.0596 J	0.492	19.3	0.75 U	0.25 U	0.75 U	45	41
EPTC 3-4 SB 10-04	0.5	FD	3/15/04	MG/KG	0.75 U	4.57 J	87.4 J	0.249 J	0.51	10 J	5.37 J	10.5 J	9.04 J	0.0781 J	0.175 J	13	0.75 U	0.0294 J	0.75 U	29.6	29.3
EPTC 3-4 SB 11-01	0.5	N	3/15/04	MG/KG	0.75 U	8.94	67.7	0.23 J	0.877	18.6	5.96	16.6	18.9	0.0878	0.257	12.8	0.75 U	0.0659 J	0.75 U	29	52.8
EPTC 3-4 SB 11-02	5	N	3/15/04	MG/KG	0.75 U	1.83	157	0.417	0.993	18.9	8.64	21.3	17.8	0.0345 J	0.25 U	15.9	0.75 U	0.0361 J	0.75 U	31.9	51.2
EPTC 3-4 SB 12-01	0.5	MS/MSD	3/15/04	MG/KG	0.75 UJ	6.05	175 J	0.78	1.9	24.7	13.6	29.4	8.21	0.0877	3.93	126	2.51	0.25 U	0.334 J	332	55.4
EPTC 3-4 SB 12-02	5	N	3/15/04	MG/KG	0.75 U	2.08 J	142	0.539 J	1.35	22.8	12.4	26.4	7.75	0.0562 J	3.54	42.8	9.24 J	0.25 U	0.75 U	54.1	54.4
EPTC 3-4 SB 12-03	10	N	3/15/04	MG/KG	0.511 J	7.7	149	0.637	0.893	28	12.2	28.2	6.31	0.0305 J	0.25 U	41.2	11.4	U	0.75 U	72.8	68.7
EPTC 3-4 SB 12-04	5	FD	3/15/04	MG/KG	0.75 U	5.37 J	163	0.572 J	1.5	23.9	13.2	29.6	7.99	0.0645 J	3.77	43.2	14.2 J	0.25 U	0.75 U	63.2	54.8
EPTC 3-4 SB 13-01	0.5	N	3/15/04	MG/KG	0.75 U	21.2	122	0.449	1.36	30.5	9.44	22.3	22.3	0.1	0.25 U	16.9	0.75 U	0.107 J	0.75 U	38.3	72.7
EPTC 3-4 SB 13-02	5	N	3/15/04	MG/KG	0.75 U	6.91	189	0.669	2	30.6	15.3	40.7	190	0.0907	0.25 U	50	0.75 U	0.25 U	0.75 U	77.3	119
EPTC 3-4 SB 13-03	10	N	3/15/04	MG/KG	0.213 J	25.8	181	0.614	1.32	28.8	16.7	45.2	6.67	0.0343 J	0.25 U	25	0.75 U	0.25 U	0.75 U	50.7	62.7
Screening Levels																					
PRGs				MG/KG	410	1.6	67,000	1,900	450	450	1,900	41,000	750	310	5,100	20,000	5,100	5,100	67	7,200	100,000
TTLC				MG/KG	500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
10xSTLC				MG/KG	150	50	1000	7.5	10	50	800	250	50	2	3500	200	10	50	70	240	2500
UCL of the mean - Background (95%)				MG/KG	-	5.45	-	-	-	-	-	-	49.79	-	-	42.36	-	-	-	52.95	-

Notes:

N - Normal field sample

FD - Field duplicate

MS/MSD - Matrix Spike/Matrix Spike Duplicate

Qualifier Description

J - The analyte was positively identified, the quantitation is an estimate.

U - The analyte was analyzed for, but not detected. The associated numerical value is at the method detection limit (MDL).

Table 3-2
Summary of Detected VOC Analytical Results - Soil Samples
Phase II ESA
Alamitos EPTC Parcel 3-4

Sample Number	Depth (ft)	Sample Type	Sampling Date	Units	VOCs		
					Acetone	Benzene	Toluene
EPTC 3-4 DP 01-01	0.5	N	15-Mar-04	UG/KG	12 J	0.28 J	0.88 U
EPTC 3-4 DP 01-02	5	N	15-Mar-04	UG/KG	3.8 J	0.44 J	0.58 J
EPTC 3-4 SB 01-01	0.5	N	15-Mar-04	UG/KG	8.5 J	2.4	2.2
EPTC 3-4 SB 01-02	5	N	15-Mar-04	UG/KG	5.7 J	0.53 J	0.54 J
EPTC-3-4 SB 02-01	0.5	N	15-Mar-04	UG/KG	15 J	6.3	5.4
EPTC 3-4 SB 02-02	5	N	15-Mar-04	UG/KG	6.1 J	0.74 J	0.43 J
EPTC 3-4 SB 03-01	0.5	N	15-Mar-04	UG/KG	3.3 J	0.2 J	0.88 U
EPTC 3-4 SB 03-02	5	N	15-Mar-04	UG/KG	3.7 J	0.32 J	0.32 J
EPTC 3-4 SB 04-01	0.5	N	15-Mar-04	UG/KG	15 J	0.34 J	0.33 J
EPTC 3-4 SB 04-02	5	N	15-Mar-04	UG/KG	3.9 J	0.26 J	0.32 J
EPTC 3-4 SB 05-01	0.5	N	15-Mar-04	UG/KG	4.6 J	0.51 J	0.46 J
EPTC 3-4 SB 05-02	5	N	15-Mar-04	UG/KG	5.3 J	1.9 J	1.8
EPTC 3-4 SB 05-04	5	FD	15-Mar-04	UG/KG	3.8 J	0.36 J	0.51 J
EPTC 3-4 SB 06-01	0.5	N	15-Mar-04	UG/KG	4.9 J	1.4	1.5
EPTC 3-4 SB 06-02	5	N	15-Mar-04	UG/KG	2.8 J	0.29 J	0.33 J
EPTC 3-4 SB 07-01	0.5	N	15-Mar-04	UG/KG	7.8 J	0.85 U	0.85 U
EPTC 3-4 SB 07-02	5	N	15-Mar-04	UG/KG	45 J	0.91 U	0.91 U
EPTC 3-4 SB 08-01	0.5	MS/MSD	15-Mar-04	UG/KG	4.7 J	1.4 J	0.96 J
EPTC 3-4 SB 08-02	5	N	15-Mar-04	UG/KG	6 J	1 J	1 J
EPTC 3-4 SB 08-04	5	FD	15-Mar-04	UG/KG	4.3 J	0.57 J	0.56 J
EPTC 3-4 SB 09-01	0.5	N	15-Mar-04	UG/KG	6 J	0.88 U	0.88 U
EPTC 3-4 SB 09-02	5	MS/MSD	15-Mar-04	UG/KG	4.4 J	0.46 J	0.9 U
EPTC 3-4 SB 09-04	0.5	FD	15-Mar-04	UG/KG	4.8 J	0.95 U	0.95 U
EPTC 3-4 SB 10-01	0.5	N	15-Mar-04	UG/KG	18 U	0.5 J	0.57 J
EPTC 3-4 SB 10-02	5	MS/MSD	15-Mar-04	UG/KG	22 J	0.39 J	0.28 J
EPTC 3-4 SB 10-04	0.5	FD	15-Mar-04	UG/KG	17 U	0.78 J	0.82 J
EPTC 3-4 SB 11-01	0.5	N	15-Mar-04	UG/KG	17 U	1.2	1.3
EPTC 3-4 SB 11-02	5	N	15-Mar-04	UG/KG	3.4 J	0.18 J	0.29 J
EPTC 3-4 SB 12-01	0.5	MS/MSD	15-Mar-04	UG/KG	4.3 J	1.1 U	1.1 U
EPTC 3-4 SB 12-02	5	N	15-Mar-04	UG/KG	5.8 J	0.73 J	0.46 J
EPTC 3-4 SB 12-04	5	FD	15-Mar-04	UG/KG	6.6 J	0.99	0.69 J
EPTC 3-4 SB 13-01	0.5	N	15-Mar-04	UG/KG	18 J	0.4 J	0.39 J
EPTC 3-4 SB 13-02	5	N	15-Mar-04	UG/KG	47	0.21 J	0.27 J
EPA Region IX Industrial PRGs				**UG/KG**	**6,000,000**	**1,300**	**520,000**

Notes:

N - Normal field sample

FD - Field duplicate

MS/MSD - Matrix Spike/Matrix Spike Duplicate

Shaded cells indicates concentrations above reporting limits.

Qualifier Description

J - The analyte was positively identified, the quantitation is an estimate.

U - The analyte was analyzed for, but not detected. The associated numerical value is at the method detection limit (MDL).

F - The analyte was positively identified but the associated numerical value is below the reporting limit (RL).

R - The data are unusable because of deficiencies in the ability to analyze the sample and meet the quality control (QC) criteria.

B - The analyte was found in an associated blank, as well as in the sample

M - A matrix effect was present

T - Tentatively identified compound (using gas chromatography/mass spectrometry [GC/MS])

Table 3-3
Summary of Detected Pesticide/PCB Analytical Results - Soil Samples
Phase II ESA
Alamitos EPTC Parcel 3-4

Sample Number	Depth (ft)	Sample Type	Sampling Date	Units	4,4'-DDE	4,4'-DDT	Chlordane	Dieldrin
EPTC 3-4 DP 01-01	0.5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 DP 01-02	5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 01-01	0.5	N	15-Mar-04	UG/KG	5 U	1.7 J	50 U	5 U
EPTC 3-4 SB 01-02	5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC-3-4 SB 02-01	0.5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 02-02	5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 03-01	0.5	N	15-Mar-04	UG/KG	18	5 U	50 U	5 U
EPTC 3-4 SB 03-02	5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	1.8 J
EPTC 3-4 SB 04-01	0.5	N	15-Mar-04	UG/KG	2.3 J	4.1 J	50 U	5 U
EPTC 3-4 SB 04-02	5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 05-01	0.5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 05-02	5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 05-04	5	FD	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 06-01	0.5	N	15-Mar-04	UG/KG	5 U	4.4 J	50 U	5 U
EPTC 3-4 SB 06-02	5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 07-01	0.5	N	15-Mar-04	UG/KG	510	150	110	5.6
EPTC 3-4 SB 07-02	5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 08-01	0.5	MS/MSD	15-Mar-04	UG/KG	45	100 J	250 U	8.8 J
EPTC 3-4 SB 08-02	5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 08-04	5	FD	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 09-01	0.5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 09-02	5	MS/MSD	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 09-04	0.5	FD	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 10-01	0.5	N	15-Mar-04	UG/KG	5 U	3.2 J	50 U	5 U
EPTC 3-4 SB 10-02	5	MS/MSD	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 10-04	0.5	FD	15-Mar-04	UG/KG	3.1 J	5 U	60	5 U
EPTC 3-4 SB 11-01	0.5	N	15-Mar-04	UG/KG	27	3.1 J	50 U	5 U
EPTC 3-4 SB 11-02	5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 12-01	0.5	MS/MSD	15-Mar-04	UG/KG	29	37 J	50 U	2.2 J
EPTC 3-4 SB 12-02	5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPTC 3-4 SB 12-04	5	FD	15-Mar-04	UG/KG	7.1	2.1 J	50 U	5 U
EPTC 3-4 SB 13-01	0.5	N	15-Mar-04	UG/KG	83	13	50 U	5 U
EPTC 3-4 SB 13-02	5	N	15-Mar-04	UG/KG	5 U	5 U	50 U	5 U
EPA Region IX Industrial PRGs				**UG/KG**	**7,000**	**7,000**	**6,500**	**110**

Notes:

N - Normal field sample

FD - Field duplicate

MS/MSD - Matrix Spike/Matrix Spike Duplicate

Shaded cells indicates concentrations above reporting limits.

Qualifier Description

J - The analyte was positively identified, the quantitation is an estimate.

U - The analyte was analyzed for, but not detected. The associated numerical value is at the method detection limit (MDL).

Table 3-4
Detected H2S, Methane, and VOCs - Soil Gas Samples
Phase II ESA
Alamitos EPTC Parcel 3-4

Sample Number	Depth (ft)	Sample Type	Sampling Date	Hydrogen Sulfide [1] (ppm v/v)	Methane [2] (ppm v/v)	VOCs (ug/m^3)																		
						Dichloro-difluoromethane	Chloro-methane	Trichloro-fluoromethane	Acetone	Carbon Disulfide	2-Butanone	Chloroform	1,1,1-Trichloro-ethane	Benzene	Toluene	2-Hexanone	Tetrachloro-ethene	Ethylbenzene	p/m-xylene	o-xylene	4-Ethyltoluene	1,3,5-Trimethyl-benzene	1,2,4-Trimethyl-benzene	Isopropyl Alcohol [3]
EPTC-3-4-SG-01-01	5	N	03/15/04	ND	2	ND	3.6	12	160	ND	18	50	6.8	5.0	4.5	10	14	ND	ND	ND	ND	ND	ND	ND
EPTC-3-4-SG-01-03	5	FD	03/15/04	ND	1	ND	2.4	14	150	ND	16	48	6.7	3.7	5.1	ND	11	ND	ND	ND	ND	ND	ND	ND
EPTC-3-4-SG-02-01	5	N	03/15/04	ND	4	ND	ND	ND	100	ND	36	170	ND	60	53	14	10	7.4	18	7.0	ND	ND	ND	ND
EPTC-3-4-SG-03-01	5	N	03/15/04	ND	ND	ND	ND	ND	45	ND	20	ND	ND	2.2	2.9	ND	ND	ND	ND	3.1	ND	ND	ND	ND
EPTC-3-4-SG-04-01	5	N	03/15/04	ND	2	ND	ND	ND	27	41	11	ND	ND	8.3	7.6	ND	9.7	ND	6.2	ND	ND	ND	ND	ND
EPTC-3-4-SG-05-01	5	N	03/15/04	ND	1	ND	ND	4.4	9.5	ND	ND	ND	ND	8.6	6.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
EPTC-3-4-SG-06-01	5	N	03/15/04	ND	1	ND	ND	ND	29	ND	8.5	ND	ND	13	21	ND	ND	4.4	15	5.5	7.3	ND	9.6	ND
EPTC-3-4-SG-07-01	5	N	03/15/04	ND	3	ND	ND	ND	65	6.0	24.0	17	ND	30	30	ND	16	4.2	12	3.6	ND	ND	ND	ND
EPTC-3-4-SG-09-01	4.5	N	03/15/04	ND	ND	4.0	ND	6.3	9.2	ND	ND	6.9	19	5.4	4.8	ND	5.6	ND	ND	ND	ND	ND	ND	ND
EPTC-3-4-SG-10-01	4	N	03/15/04	ND	1	ND	ND	ND	50	ND	11	ND	ND	47	94	ND	ND	19	69	26	7.3	8.1	46	ND
Screening Levels																								
ESLs (Com/Indust. Land Use Scenario) [4]				NE	NE	NE	4,500	NE	250,000	NE	580,000	1,500	130,000	280	230,000	NE	1,400	7,400	58,000	58,000	NE	NE	NE	NE

Notes:

N - Normal field sample

FD - Field duplicate

ND = Not detected above reporting limit

NE = Not established

(1) ND above method reporting limit of 223 ug/m^3 (0.157 ppm v/v) (Hydrogen Sulfide)

(2) ND above method reporting limit of 211 ug/m^3 (0.316 ppm v/v) (methane)

(3) ND above method reporting limit of 5 ug/m^3 (2 ppb v/v) (IPA)

(4) Environmental Screening Levels are from the SF Bay RWQCB, July 2003.

4.0 Conclusions

This section presents the conclusions regarding the site investigation conducted at the Site. This investigation was conducted to:

- Determine whether soil at the Site has been impacted
- Assess nature and extent of contamination, if present

Based on the results of the site investigation, the following conclusions can be made:

- Overall, VOC, SVOC, chlorinated pesticide, and PCB concentrations did not exceed industrial PRGs, TTLC, and 10 times STLC screening criteria in the majority of the soil and soil gas samples collected at the Site; and the soil appears to be minimally impacted.

- Arsenic was the only analyte for which concentrations exceeded the industrial PRG. However, it should be noted that, in California, background concentrations of several metals, particularly arsenic, often exceed industrial PRGs, as reported by the Kearney Foundation *Special Report on Background Concentrations of Trace and Major Elements in California Soils* (1996). One soil sample, collected at 5 feet bgs and at a location considered representative of background conditions, exhibited a lead concentration that exceeded 10 times the STLC.

- Lead concentration in one sample and nickel and vanadium concentrations in another sample exceeded the TTLC screening criteria. However, concentrations of lead, nickel, and vanadium for the deeper samples at these two locations were below the TTLC screening criteria.

- Soil gas concentrations for VOCs did not exceed the conservative shallow soil gas ESLs for the commercial/industrial land use scenario published by the San Francisco Bay Area RWQCB (July 2003, Updated February 2004). Thus, the VOCs detected in soil gas samples would not pose a significant impact to indoor air at a future onsite building.

  Hydrogen sulfide gas was not detected in the 10 soil gas samples (including one duplicate) collected at the Site.

  Methane concentrations in soil gas samples were several orders of magnitude below the LEL of 5 percent (50,000 ppm).

- No VOCs or SVOCs were detected in groundwater samples collected at the Site.

5.0 References

CH2M HILL. 2004. *Workplan for Phase II Environmental Site Assessment Alamitos EPTC Parcel 3-4.* March.

Kearney Foundation. 1996. *Special Report on Background Concentrations of Trace and Major Elements in California Soils.*

RWQCB, San Francisco Bay Area. 2004. *Soil Gas Environmental Screening Levels (ESLs) for Commercial/Industrial Land Use Scenario.* July 2003, Updated February 2004.

Appendix A
Summary of Daily Field Log

DAILY INSPECTION DIARY

CH2MHILL

Report No. 01

Project and Site Information:

Project No.:	182222.EP.02	**Project Name:**	Alamitos EPTC Parcel 3-4 Investigation		
Day:	Thursday	**Date:**	03/11/04	**Work Period:**	
Weather:	Clear	**Temp:**		**Precipitation:**	None

Name and Title of Onsite Personnel:

Name	Title	Company
Partha Bora	Project Manager	CH2MHILL
Sapna Abrol	Project Scientist	CH2MHILL
Kimberly Waite	Project Geologist	CH2MHILL
Joe Gautsch	GIS Specialist	CH2MHILL
Diane Ortiz	Geophyscial Technician	GeoVision

Major Equipment on Project and Amount of Use:

No.	Description	Size/Capacity	Hrs
1	Backhoe		
2			
3			
4			
5			

Work Accomplished Today:

Time	Work Description
0700	Arrived on site. Huge pile of dirt in front of access road. Could not bring cars in.
0715	Kim and Sapna begin marking sampling locations. Joe Gautsch starts surveying sampling locations with a GIS unit (Trimble System).

Time	Work Description
0730	Began geophysics survey with personnel from Geovision
0950	Strongarm arrives on site to clear dirt blocking access road
1010	Fred from Pacific Pipeline. No problem with utilities or working on this site
1200	SG6 moved 2' north due to utility interference
0225	Marked all sampling locations – SB1 moved 2' east due to utility interference
0230	Geophysical survey complete. Locked gate, left property.

Sapna Abrol 03/11/04

Signature Date

DAILY INSPECTION DIARY

CH2MHILL

Report No. 02

Project and Site Information:

Project No.:	182222.EP.02	**Project Name:**	Alamitos EPTC Parcel 3-4 Investigation		
Day:	Monday	**Date:**	03/15/04	**Work Period:**	
Weather:	Clear	**Temp:**		**Precipitation:**	None

Name and Title of Onsite Personnel:

Name	Title	Company
Partha Bora	Project Manager	CH2MHILL
Sapna Abrol	Project Scientist	CH2MHILL
Kimberly Waite	Project Geologist	CH2MHILL
Leo Brady		EST
Ragi Abraham		EST
Rogelio Paniagua		Strongarm
Jeffrey Krauss		Strongarm
Thomas Habermel		A Cut Above

Major Equipment on Project and Amount of Use:

No.	Description	Size/Capacity	Hrs
1	Direct push drill rig	N/A	
2			
3			
4			
5			

Work Accomplished Today:

Time	Work Description
0700	Arrive at Alamitos EPTC parcel 3-4
0725	Took sample core adjacent to SG 9 to determine soil type and depth to groundwater (moist at 8')

Time	Work Description
0750	Health and Safety – tail gate meeting
0800	Started boring at SB 01
0835	Moved to location SB –2
0930	Set up at SB-05
1000	SB –05 complete. Moved to SB 18
1035	Set up at SB 10
1055	Collected sample SB-10-01
1105	Location SB-12
1120	Sampled SB-12-01
1135	Sampled SB-09
1210	Completed SB-09
110	Started SB-07
0140	Started SB 04
0210	Location SB 13. SB-06 not visible. Flag has been removed. Location moved. Refusal encountered. Location moved again 11.5' east from SG-09

Sapna Abrol — 03/15/04

Signature — Date

DAILY INSPECTION DIARY

CH2MHILL

Report No. 03

Project and Site Information:

Project No.:	182222.EP.02	**Project Name:**	Alamitos EPTC Parcel 3-4 Investigation		
Day:	Tuesday	**Date:**	03/16/04	**Work Period:**	
Weather:	Clear	**Temp:**		**Precipitation:**	None

Name and Title of Onsite Personnel:

Name	Title	Company
Partha Bora	Project Manager	CH2MHILL
Sapna Abrol	Project Scientist	CH2MHILL
Kimberly Waite	Project Geologist	CH2MHILL
Rogelio Paniagua		Strongarm
Darren Zuidema		Strongarm

Major Equipment on Project and Amount of Use:

No.	Description	Size/Capacity	Hrs
1	Direct push drill rig	N/A	
2			
3			
4			
5			

Work Accomplished Today:

Time	Work Description
0700	Arrived on site

Time	Work Description
0730	Set up macro core sampler at GW-01
0800	Collected 3 VOAs for sample EPTC 3-4 GW-01-01. Also collected field duplicate at this location.
0900	Set up at GW-02. Left GW-01 with peristaltic pump for GW extraction for SVOCs
0915	Collected VOAs from EPTC 3-4 GW02-01 and MS/MSD
1015	Collected sample EPTC 3-4 GW-02-01 for SVOCs
1100	Set up at location GW-03. However, bailer returned dry. Left screen in boring
1135	Moved to location GW-04. Left screen in boring and went to lunch (11:45)
1240	Returned from lunch and collected sample EPTC 3-4 GW-04-01
0100	Collected SVOC sample in 1L bottle (EPTC 3-4 GW 04-01)
0120	Collected sample EPTC 3-4 GW03-01 in VOAs
0130	Collected half sample for 1L SVOC using pump. Left pump in place and moved to BG sample location (BG-3)
0200	Proceeded to BG sampling location BG-02 (close to GW-04). Location required hand augering to reach appropriate depth.
0235	Collected both BG-1 and BG-2
0255	Completed work. Waited for Calscience for pickup.
0300	Locked gate. Left property.

Sapna Abrol — 03/16/04

Signature — Date

Appendix B
Soil Boring Log

CH2MHILL

PROJECT NUMBER : 182222.EP.02	BORING NUMBER: EPTC 3-4 SG-9 SHEET 1 OF 1

SOIL BORING LOG

PROJECT : **Alamitos EPTC Parcel 3-4**

LOCATION : NE Corner of North Studebaker Road and Westminster Avenue, Long Beach

ELEVATION : NA

DRILLING CONTRACTOR : **Strongarm**

DRILLING METHOD AND EQUIPMENT USED : **Continous Core Direct Push**

WATER ELEVATION : **~ 10' bgs**

START : **3-15-2004** END : **3-15-2004** LOGGER : **K. Waite**

BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE DRILLING FLUID LOSS TESTS AND INSTRUMENTATION
	Continuous core				SANDY SILT (ML), dark brown, dry, loose, approximately 20% gravel	Drilling begins 0730
5					SILTY GRAVEL (GM), gray, dry, loose	
					CLAYEY SILT (ML), dark brown, slightly moist, medium stiff, micaceous	
					SILT (ML), dark brown, very moist, medium stiff, micaceous	▼
10					same as above, saturated	Water table encountered ~ 10' bgs
					SILTY CLAY (CL), dark brown, medium stiff, saturated micaceous	
15					POORLY GRADED SAND (SP), fine grain sand, gray brown, saturated, medium dense, micaceous	
					TD = 16 feet bgs	
20						
25						

Appendix C
Data Validation Reports

Data Validation Report

Project/Site Name:	Alamitos EPTC – Parcel 3-4 Phase II ESA
Collection Date:	March 15-16, 2004
Report Date:	April 8, 2004
Parameters:	**Metals**
Matrix:	Soil/GW
Laboratory:	Calscience Environmental Laboratories
Sample Delivery Group:	04030976; 04030917

Introduction

This data review covers the SDGs listed on the cover sheet. This SDG represents project samples analyzed by SW 846 Method 6010B and 7471A. Method specifications and requirements, as well as the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, July 2002 were mainly used as the basis for this review.

Calibration and QC summaries, as well as at least 10% of the raw data, were reviewed.

The data validation flags are defined below:

U Not Detected

The analyte was analyzed for but was not detected above the reported sample quantitation limit.

J Estimated Value

The analyte was detected, but the reported value may not be accurate or precise.

UJ Estimated Detection Limit

The analyte was analyzed for but was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R Rejected

The analyte was analyzed for, but the result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Individual data validation reports were prepared for each SDG/method combination. This DQE report summarizes the findings of those data validation reports. Data qualifications resulting from the review are summarized in Table 1 at the end of this report.

I. Technical Holding Time

All holding time requirements were met.

II. Instrument Performance Check

All acceptance criteria were met.

III. Calibration

All acceptance criteria were met.

III. Method and Field Blanks

Arsenic and molybdenum were detected less than the reporting limit in several method blanks. Six samples were detected less than five times the blank concentration. These results were qualified as a non-detects and flagged "U" at the detected concentrations. Table 1 contains a summary of the affected samples.

Molybdenum was detected less than the reporting limit in an equipment blank. One sample was detected less than five times the blank concentration. This result was qualified as a non-detect and flagged "U" at the detected concentration. Table 1 contains a summary of the affected samples.

V. Laboratory Control Sample (LCS)

All acceptance criteria were met.

VI. Internal Standards

All acceptance criteria were met.

VII. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The recoveries of two analytes were below criteria in four MS/MSD sets, indicating the associated parent sample results are possibly biased low. Five non-detected results in the parent samples were flagged "UJ". Table 1 contains a summary of the affected samples.

The recoveries of three analytes were above criteria in three MS/MSD sets, indicating the associated parent sample results are possibly biased high. Four detected results in the parent samples were flagged "J". Table 1 contains a summary of the affected samples.

VIII. Field Duplicates

The relative percent differences (RPD) of 12 analytes in five field duplicate(FD) sets were above criteria, indicating associated sample results may not be accurate or precise. Thirty-five detected results and three non-detected results in the samples and duplicates were flagged "J" and "UJ", respectively. Table 1 contains a summary of the affected samples.

IX. Overall Assessment of Data

The data were found to be acceptable and no datapoints were rejected.

Table 1 – Validation Flags

Method	NativeID	Matrix	Analyte	Result	Units	Final Flag	Reason
SW6010B	EPTC 3-4 DP 01-01	SOIL	Molybdenum	0.0551	MG/KG	U	LB<RL
SW6010B	EPTC 3-4 SB 03-01	SOIL	Molybdenum	0.0293	MG/KG	U	LB<RL
SW6010B	EPTC 3-4 SB 04-01	SOIL	Molybdenum	0.0282	MG/KG	U	LB<RL
SW6010B	EPTC 3-4 SB 05-04	SOIL	Arsenic	0.594	MG/KG	U	LB<RL
SW6010B	EPTC 3-4 SB 08-04	SOIL	Molybdenum	0.0602	MG/KG	U	LB<RL
SW6010B	EPTC 3-4 SB 10-01	SOIL	Molybdenum	0.132	MG/KG	U	LB<RL
SW6010B	EPTC 3-4 SB 08-01	SOIL	Antimony	0.75	MG/KG	UJ	MS<LCL
SW6010B	EPTC 3-4 SB 08-01	SOIL	Thallium	0.75	MG/KG	UJ	MS<LCL
SW6010B	EPTC 3-4 SB 08-01	SOIL	Antimony	0.75	MG/KG	UJ	SD<LCL
SW6010B	EPTC 3-4 SB 09-02	SOIL	Antimony	0.75	MG/KG	UJ	MS<LCL
SW6010B	EPTC 3-4 SB 09-02	SOIL	Lead	56.3	MG/KG	J	MS>UCL
SW6010B	EPTC 3-4 SB 09-02	SOIL	Zinc	194	MG/KG	J	MS>UCL
SW6010B	EPTC 3-4 SB 09-02	SOIL	Antimony	0.75	MG/KG	UJ	SD<LCL
SW6010B	EPTC 3-4 SB 10-02	SOIL	Antimony	0.75	MG/KG	UJ	MS<LCL
SW6010B	EPTC 3-4 SB 10-02	SOIL	Antimony	0.75	MG/KG	UJ	SD<LCL
SW6010B	EPTC 3-4 SB 10-02	SOIL	Barium	122	MG/KG	J	SD>UCL
SW6010B	EPTC 3-4 SB 12-01	SOIL	Antimony	0.75	MG/KG	UJ	MS<LCL
SW6010B	EPTC 3-4 SB 12-01	SOIL	Barium	175	MG/KG	J	MS>UCL
SW6010B	EPTC 3-4 SB 12-01	SOIL	Antimony	0.75	MG/KG	UJ	SD<LCL
SW6010B	EPTC 3-4 SB 08-02	SOIL	Lead	9.87	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 08-02	SOIL	Molybdenum	0.71	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 08-04	SOIL	Lead	6.48	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 08-04	SOIL	Molybdenum	0.0602	MG/KG	U	FD>RPD
SW6010B	EPTC 3-4 SB 09-01	SOIL	Lead	42.3	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 09-01	SOIL	Silver	0.0577	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 09-01	SOIL	Arsenic	2.58	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 09-01	SOIL	Zinc	81.5	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 09-04	SOIL	Lead	20	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 09-04	SOIL	Silver	0.25	MG/KG	UJ	FD>RPD
SW6010B	EPTC 3-4 SB 09-04	SOIL	Arsenic	1.25	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 09-04	SOIL	Zinc	50.9	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 10-01	SOIL	Lead	2.8	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 10-01	SOIL	Silver	0.25	MG/KG	UJ	FD>RPD
SW6010B	EPTC 3-4 SB 10-01	SOIL	Arsenic	1.93	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 10-01	SOIL	Barium	33.2	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 10-01	SOIL	Beryllium	0.152	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 10-01	SOIL	Chromium (Total	5.33	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 10-01	SOIL	Cobalt	3.19	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 10-01	SOIL	Copper	6.01	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 10-04	SOIL	Lead	9.04	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 10-04	SOIL	Silver	0.0294	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 10-04	SOIL	Arsenic	4.57	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 10-04	SOIL	Barium	87.4	MG/KG	J	FD>RPD

Method	NativeID	Matrix	Analyte	Result	Units	Final Flag	Reason
SW6010B	EPTC 3-4 SB 10-04	SOIL	Beryllium	0.249	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 10-04	SOIL	Chromium (Total	10	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 10-04	SOIL	Cobalt	5.37	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 10-04	SOIL	Copper	10.5	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 12-02	SOIL	Arsenic	2.08	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 12-02	SOIL	Selenium	9.24	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 12-04	SOIL	Arsenic	5.37	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 12-04	SOIL	Selenium	14.2	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 05-02	SOIL	Arsenic	0.75	MG/KG	UJ	FD>RPD
SW6010B	EPTC 3-4 SB 05-04	SOIL	Arsenic	0.594	MG/KG	U	FD>RPD
SW6010B	EPTC 3-4 SB 12-02	SOIL	Beryllium	0.539	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 SB 12-04	SOIL	Beryllium	0.572	MG/KG	J	FD>RPD
SW7471	EPTC 3-4 SB 08-02	SOIL	Mercury	0.451	MG/KG	J	FD>RPD
SW7471	EPTC 3-4 SB 08-04	SOIL	Mercury	0.0737	MG/KG	J	FD>RPD
SW6010B	EPTC 3-4 BG02-01	SOIL	Molybdenum	0.164	MG/KG	U	EB<RL

J = The analyte was detected, but the reported value may not be accurate or precise.
UJ = The analyte was analyzed for but was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
U = The analyte was analyzed for but was not detected above the reported sample quantitation limit.

EB<RL = Equipment blank concentration less than the RL
SD<LCL = Matrix spike duplicate recovery criteria less than lower limit
MS<LCL = Matrix spike recovery less than lower limit
SD>UCL = Matrix spike duplicate recovery greater than upper limit
MS>UCL = Matrix spike recovery greater than upper limit
FD>RPD = Field duplicate exceeds RPD criteria
LB<RL = Laboratory blank contamination less than the RL

Data Validation Report

Project/Site Name:	Alamitos EPTC – Parcel 3-4 Phase II ESA
Collection Date:	March 15-16, 2004
Report Date:	April 8, 2004
Parameters:	**Volatile Organic Compounds**
Matrix	Soil/GW
Laboratory:	Calscience Environmental Laboratories
Sample Delivery Group:	04030976; 04030917

Introduction

This data review covers the SDGs listed on the cover sheet. This SDG represents project samples analyzed by SW 846 Method 8260B. Method specifications and requirements, as well as the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999, were mainly used as the basis for this review.

Calibration and QC summaries, as well as at least 10% of the raw data, were reviewed.

The data validation flags are defined below:

U Not Detected

The analyte was analyzed for but was not detected above the reported sample quantitation limit.

J Estimated Value

The analyte was detected, but the reported value may not be accurate or precise.

UJ Estimated Detection Limit

The analyte was analyzed for but was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

N Tentatively Identified

The analysis indicated the presence of an analyte for which there is presumptive evidence to make a tentative identification.

NJ Estimated Value for a tentatively Identified analyte

The analysis indicated the presence of an analyte that has been tentatively identified, and the associated numerical value represents its approximate concentration.

R Rejected

The analyte was analyzed for, but the result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Individual data validation reports were prepared for each SDG/method combination. This DQE report summarizes the findings of those data validation reports. Data qualifications resulting from the review are summarized in Table 1 at the end of this report.

I. Technical Holding Time

All holding time requirements were met.

II. Instrument Performance Check

All acceptance criteria were met.

III. Calibration

In SDG 04030917, the percent relative standard deviation (%RSD) for three analytes was above criteria in the initial calibration, indicating that associated sample results are possibly biased. Thirty-three associated non-detected results were flagged "UJ" and four detected results were flagged "J". Table 1 contains a summary of the affected samples.

In SDG 04030917, the recoveries of five analytes were above criteria in several continuing calibration verification standards (CCV), indicating the associated sample results are possibly biased high. Twenty-seven associated detected results were flagged "J". Table 1 contains a summary of the affected samples.

In SDG 04030917, the recoveries of four analytes were below criteria in several CCVs, indicating the associated sample results are possibly biased low. Twenty-four associated non-detected results were flagged "UJ". Table 1 contains a summary of the affected samples.

III. Method and Field Blanks

O-Xylene was detected less than the reporting limit in several method blanks. Thirty-three samples were detected less than five times the blank concentration. These results were qualified as non-detects and flagged "U" at the detected concentrations. Table 1 contains a summary of the affected samples.

V. Laboratory Control Sample (LCS)

All acceptance criteria were met.

VI. Internal Standards

All acceptance criteria were met.

VII. Surrogates

All acceptance criteria were met.

VIII. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The recoveries of six analytes were below criteria in three MS/MSD sets, indicating the associated parent sample results are possibly biased low. Eleven non-detected results in the parent samples were flagged "UJ" and two detected results were flagged "J". Table 1 contains a summary of the affected samples.

IX. Field Duplicates

The relative percent differences (RPD) of two analytes in three field duplicate(FD) sets were above criteria, indicating associated sample results may not be accurate or precise. Six

detected results in the samples and duplicates were flagged "J". Table 1 contains a summary of the affected samples.

X. Overall Assessment of Data

The data were found to be acceptable and with no rejected datapoints.

Table 1 – Validation Flags

Method	NativeID	Matrix	Analyte	Result	Units	Final	Reason
SW8260B	EPTC 3-4 SB 04-01	SOIL	o-Xylene	0.3	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 04-02	SOIL	o-Xylene	0.3	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 05-04	SOIL	o-Xylene	0.35	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 05-01	SOIL	o-Xylene	0.33	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 05-02	SOIL	o-Xylene	0.4	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 06-01	SOIL	o-Xylene	0.37	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 06-02	SOIL	o-Xylene	0.32	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 07-01	SOIL	o-Xylene	0.3	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 07-02	SOIL	o-Xylene	0.31	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 08-02	SOIL	o-Xylene	0.41	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 08-01	SOIL	o-Xylene	0.41	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 08-04	SOIL	o-Xylene	0.33	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 08-01	SOIL	o-Xylene	0.41	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 09-01	SOIL	o-Xylene	0.31	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 09-02	SOIL	o-Xylene	0.35	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 09-02	SOIL	o-Xylene	0.35	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 09-04	SOIL	o-Xylene	0.28	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 10-02	SOIL	o-Xylene	0.3	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 10-04	SOIL	o-Xylene	0.27	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 DP 01-02	SOIL	o-Xylene	0.32	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 DP 01-01	SOIL	o-Xylene	0.27	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 01-01	SOIL	o-Xylene	0.48	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 01-01	SOIL	o-Xylene	0.48	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 01-02	SOIL	o-Xylene	0.37	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 01-02	SOIL	o-Xylene	0.37	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 02-02	SOIL	o-Xylene	0.43	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 03-01	SOIL	o-Xylene	0.3	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 03-02	SOIL	o-Xylene	0.3	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 10-01	SOIL	o-Xylene	0.27	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 11-01	SOIL	o-Xylene	0.37	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 11-02	SOIL	o-Xylene	0.31	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 12-02	SOIL	o-Xylene	0.28	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 12-04	SOIL	o-Xylene	0.3	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 12-01	SOIL	o-Xylene	0.42	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 13-01	SOIL	o-Xylene	0.29	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 13-02	SOIL	o-Xylene	0.32	UG/KG	U	LB<RL
SW8260B	EPTC-3-4 SB 02-01	SOIL	o-Xylene	0.77	UG/KG	U	LB<RL
SW8260B	EPTC 3-4 SB 10-02	SOIL	1,2-Dichlorobenzene	0.91	UG/KG	UJ	MS<LCL
SW8260B	EPTC 3-4 SB 10-02	SOIL	1,2-Dichlorobenzene	0.91	UG/KG	UJ	SD<LCL
SW8260B	EPTC 3-4 SB 05-02	SOIL	Benzene	1.9	UG/KG	J	FD>RPD
SW8260B	EPTC 3-4 SB 05-04	SOIL	Benzene	0.36	UG/KG	J	FD>RPD
SW8260B	EPTC 3-4 SB 08-02	SOIL	Toluene	1	UG/KG	J	FD>RPD
SW8260B	EPTC 3-4 SB 08-02	SOIL	Benzene	1	UG/KG	J	FD>RPD

Method	NativeID	Matrix	Analyte	Result	Units	Final	Reason
SW8260B	EPTC 3-4 SB 08-04	SOIL	Toluene	0.56	UG/KG	J	FD>RPD
SW8260B	EPTC 3-4 SB 08-04	SOIL	Benzene	0.57	UG/KG	J	FD>RPD
SW8260B	EPTC 3-4 SB 10-02	SOIL	Bromomethane	18	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 DP 01-02	SOIL	Bromomethane	20	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 09-02	SOIL	Bromomethane	18	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 10-01	SOIL	Bromomethane	18	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 12-02	SOIL	Bromomethane	19	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 09-04	SOIL	Bromomethane	19	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 10-04	SOIL	Bromomethane	17	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 DP 01-01	SOIL	Bromomethane	18	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 12-04	SOIL	Bromomethane	19	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 07-01	SOIL	Bromomethane	17	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 04-01	SOIL	Bromomethane	17	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 13-01	SOIL	Bromomethane	16	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 02-02	SOIL	Bromomethane	18	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 11-01	SOIL	Bromomethane	2.1	UG/KG	J	IC%RSD
SW8260B	EPTC 3-4 SB 06-01	SOIL	Bromomethane	16	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 03-02	SOIL	Bromomethane	18	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 12-01	SOIL	Bromomethane	22	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 DP 01-02	SOIL	Bromomethane	20	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 10-01	SOIL	Bromomethane	18	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 12-02	SOIL	Bromomethane	19	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 09-04	SOIL	Bromomethane	19	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 10-04	SOIL	Bromomethane	17	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 DP 01-01	SOIL	Bromomethane	18	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 12-04	SOIL	Bromomethane	19	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 10-02	SOIL	Acetone	22	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 DP 01-02	SOIL	Acetone	3.8	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 12-02	SOIL	Acetone	5.8	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 09-04	SOIL	Acetone	4.8	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 DP 01-01	SOIL	Acetone	12	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 12-04	SOIL	Acetone	6.6	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 10-02	SOIL	2-Butanone	3.5	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 11-01	SOIL	2,2-Dichloropropane	4.1	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 07-02	SOIL	Acetone	45	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 05-01	SOIL	Acetone	4.6	UG/KG	J	CCV>UCL
SW8260B	EPTC-3-4 SB 02-01	SOIL	Acetone	15	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 01-02	SOIL	Acetone	5.7	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 08-01	SOIL	Acetone	4.7	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 01-01	SOIL	Acetone	8.5	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 08-01	SOIL	1,2-Dichlorobenzene	0.91	UG/KG	UJ	MS<LCL
SW8260B	EPTC 3-4 SB 08-01	SOIL	Benzene	1.4	UG/KG	J	MS<LCL
SW8260B	EPTC 3-4 SB 08-01	SOIL	Carbon Tetrachloride	0.91	UG/KG	UJ	MS<LCL
SW8260B	EPTC 3-4 SB 08-01	SOIL	Chlorobenzene	0.91	UG/KG	UJ	MS<LCL
SW8260B	EPTC 3-4 SB 08-01	SOIL	Toluene	0.96	UG/KG	J	MS<LCL
SW8260B	EPTC 3-4 SB 08-01	SOIL	Trichloroethene	1.8	UG/KG	UJ	MS<LCL

Method	NativeID	Matrix	Analyte	Result	Units	Final	Reason
SW8260B	EPTC 3-4 SB 08-01	SOIL	1,2-Dichlorobenzene	0.91	UG/KG	UJ	SD<LCL
SW8260B	EPTC 3-4 SB 09-02	SOIL	1,2-Dichlorobenzene	0.9	UG/KG	UJ	MS<LCL
SW8260B	EPTC 3-4 SB 09-02	SOIL	Chlorobenzene	0.9	UG/KG	UJ	MS<LCL
SW8260B	EPTC 3-4 SB 09-02	SOIL	Trichloroethene	1.8	UG/KG	UJ	MS<LCL
SW8260B	EPTC 3-4 SB 09-02	SOIL	1,2-Dichlorobenzene	0.9	UG/KG	UJ	SD<LCL
SW8260B	EPTC 3-4 SB 05-02	SOIL	Bromomethane	16	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 04-02	SOIL	Bromomethane	1.9	UG/KG	J	IC%RSD
SW8260B	EPTC 3-4 SB 09-01	SOIL	Bromomethane	18	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 06-02	SOIL	Bromomethane	17	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 03-01	SOIL	Bromomethane	18	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 08-02	SOIL	Bromomethane	19	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 11-02	SOIL	Bromomethane	1.3	UG/KG	J	IC%RSD
SW8260B	EPTC 3-4 SB 05-04	SOIL	Bromomethane	17	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 07-02	SOIL	Bromomethane	18	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 13-02	SOIL	Bromomethane	1.5	UG/KG	J	IC%RSD
SW8260B	EPTC 3-4 SB 05-01	SOIL	Bromomethane	17	UG/KG	UJ	IC%RSD
SW8260B	EPTC-3-4 SB 02-01	SOIL	Bromomethane	18	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 03-02	SOIL	2,2-Dichloropropane	4.4	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 03-01	SOIL	2,2-Dichloropropane	4.4	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 01-02	SOIL	Bromomethane	17	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 08-01	SOIL	Bromomethane	18	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 01-01	SOIL	Bromomethane	16	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 01-02	SOIL	Chloroethane	1.7	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 08-01	SOIL	Chloroethane	1.8	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 01-01	SOIL	Chloroethane	1.6	UG/KG	UJ	IC%RSD
SW8260B	EPTC 3-4 SB 09-02	SOIL	Bromomethane	18	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 09-02	SOIL	Acetone	4.4	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 10-02	SOIL	Bromomethane	18	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 06-01	SOIL	2,2-Dichloropropane	4.1	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 06-02	SOIL	2,2-Dichloropropane	4.3	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 11-02	SOIL	2,2-Dichloropropane	4.2	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 13-02	SOIL	2,2-Dichloropropane	4.3	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 11-01	SOIL	Carbon Tetrachloride	0.83	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 06-01	SOIL	Carbon Tetrachloride	0.82	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 06-02	SOIL	Carbon Tetrachloride	0.86	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 11-02	SOIL	Carbon Tetrachloride	0.85	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 13-02	SOIL	Carbon Tetrachloride	0.86	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 11-01	SOIL	t-1,3-Dichloropropene	1.7	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 06-01	SOIL	t-1,3-Dichloropropene	1.6	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 06-02	SOIL	t-1,3-Dichloropropene	1.7	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 11-02	SOIL	t-1,3-Dichloropropene	1.7	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 13-02	SOIL	t-1,3-Dichloropropene	1.7	UG/KG	UJ	CCV<LCL
SW8260B	EPTC 3-4 SB 07-01	SOIL	Acetone	7.8	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 04-01	SOIL	Acetone	15	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 13-01	SOIL	Acetone	18	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 02-02	SOIL	Acetone	6.1	UG/KG	J	CCV>UCL

Method	NativeID	Matrix	Analyte	Result	Units	Final	Reason
SW8260B	EPTC 3-4 SB 12-01	SOIL	Acetone	4.3	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 05-02	SOIL	Acetone	5.3	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 04-02	SOIL	Acetone	3.9	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 09-01	SOIL	Acetone	6	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 08-02	SOIL	Acetone	6	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 05-04	SOIL	Acetone	3.8	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 07-02	SOIL	2-Butanone	11	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 03-02	SOIL	Acetone	3.7	UG/KG	J	CCV>UCL
SW8260B	EPTC 3-4 SB 03-01	SOIL	Acetone	3.3	UG/KG	J	CCV>UCL

J = The analyte was detected, but the reported value may not be accurate or precise.
UJ = The analyte was analyzed for but was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
U = The analyte was analyzed for but was not detected above the reported sample quantitation limit.

CCV>UCL = Continuing calibration recovery greater than upper control limit
CCV<LCL = Continuing calibration recovery less than lower control limit
IC%RSD = Initial calibration RSD exceeded
SD<LCL = Matrix spike duplicate recovery criteria less than lower limit
MS<LCL = Matrix spike recovery less than lower limit
FD>RPD = Field duplicate exceeds RPD criteria
LB<RL = Laboratory blank contamination less than the RL

Preliminary Data Validation Report

Project/Site Name:	Alamitos EPTC – Parcel 3-4 Phase II ESA
Collection Date:	March 15-16, 2004
Report Date:	April 8, 2004
Parameters:	**Semi-Volatile Organic Compounds**
Matrix:	Soil/GW
Laboratory:	Calscience Environmental Laboratories
Sample Delivery Group:	04030976; 04030917

Introduction

This data review covers the SDGs listed on the cover sheet. This SDG represents project samples analyzed by SW 846 Method 8270C. Method specifications and requirements, as well as the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999 were mainly used as the basis for this review.

Calibration and QC summaries, as well as at least 10% of the raw data, were reviewed.

The data validation flags are defined below:

U Not Detected

The analyte was analyzed for but was not detected above the reported sample quantitation limit.

J Estimated Value

The analyte was detected, but the reported value may not be accurate or precise.

UJ Estimated Detection Limit

The analyte was analyzed for but was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

N Tentatively Identified

The analysis indicated the presence of an analyte for which there is presumptive evidence to make a tentative identification.

NJ Estimated Value for a tentatively Identified analyte

The analysis indicated the presence of an analyte that has been tentatively identified, and the associated numerical value represents its approximate concentration.

R Rejected

The analyte was analyzed for, but the result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Individual data validation reports were prepared for each SDG/method combination. This DQE report summarizes the findings of those data validation reports. Data qualifications resulting from the review are summarized in Table 1 at the end of this report.

I. Technical Holding Time

Three samples were re-extracted past the holding time. All analytes were non-detect in the samples and results were flagged "UJ".

II. Instrument Performance Check

All acceptance criteria were met.

III. Calibration

The percent relative standard deviation (%RSD) for three analytes was above criteria in the initial calibration, indicating that associated sample results are possibly biased. Forty-three associated non-detected results were flagged "UJ". Table 1 contains a summary of the affected samples.

The recoveries of three analytes were below criteria in several initial calibration verification standards (ICV), indicating the associated sample results are possibly biased high. Fifty associated non-detected results were flagged "UJ". Table 1 contains a summary of the affected samples.

The recoveries of three analytes were below criteria in several continuing calibration verification standards (CCV), indicating the associated sample results are possibly biased low. Seventy-one associated non-detected results were flagged "UJ". Table 1 contains a summary of the affected samples.

III. Method and Field Blanks

All acceptance criteria were met.

V. Laboratory Control Sample (LCS)

All acceptance criteria were met.

VI. Internal Standards

The recoveries of two internal standards were below criteria in the reanalysis of three samples, indicating the associated sample results are possibly biased high. Since all target analytes were non-detect in these three samples, no data was qualified.

VII. Surrogates

The recoveries of at least two surrogates were below criteria in three of the field samples, indicating associated samples results are possibly biased low or not quantitated. These three samples were re-extracted with acceptable surrogate recoveries.

VIII. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

All acceptance criteria were met.

IX. Field Duplicates

All acceptance criteria were met.

X. Overall Assessment of Data

Thirty-nine datapoints were rejected (~1.4%) and cannot be used in project decisions.

Table 1 – Validation Flags

Method	NativeID	Matrix	Analyte	Result	Units	Final Flag	Reason
SW8270C	EPTC 3-4 DP 01-01	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 DP 01-01	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 DP 01-01	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 DP 01-01	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 DP 01-01	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 DP 01-01	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 DP 01-02	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 01-01	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 01-01	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 01-01	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 01-01	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 01-01	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 01-01	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 01-02	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 01-02	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 01-02	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 01-02	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 01-02	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 01-02	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 02-02	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 02-02	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 02-02	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 02-02	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 02-02	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 02-02	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 03-01	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 03-01	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 03-02	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 03-02	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 04-01	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 04-01	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 04-02	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 05-01	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 05-01	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 05-01	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 05-01	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 05-01	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 05-01	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 05-02	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 05-02	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 05-02	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 05-02	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 05-02	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 05-02	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 05-04	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL

Method	NativeID	Matrix	Analyte	Result	Units	Final Flag	Reason
SW8270C	EPTC 3-4 SB 05-04	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 05-04	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 05-04	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 05-04	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 05-04	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 06-01	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 06-01	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 06-02	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 06-02	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 07-01	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 07-02	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 08-01	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 08-01	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 08-01	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 08-01	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 08-01	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 08-01	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 08-02	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 08-02	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 08-02	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 08-02	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 08-02	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 08-02	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 08-04	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 08-04	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 08-04	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 09-01	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 09-01	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 09-01	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 09-01	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 09-01	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 09-01	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 09-02	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 09-02	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 09-02	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 09-02	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 09-02	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 09-02	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 09-04	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 09-04	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 09-04	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 09-04	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 09-04	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 09-04	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 10-01	SOIL	1,2,4-Trichlorobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	1,2-Dichlorobenzene	0.5	MG/KG	UJ	HTp>UCL

Method	NativeID	Matrix	Analyte	Result	Units	Final Flag	Reason
SW8270C	EPTC 3-4 SB 10-01	SOIL	1,3-Dichlorobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	1,4-Dichlorobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	2,4,5-Trichlorophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	2,4,6-Trichlorophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	2,4-Dichlorophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	2,4-Dimethylphenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	2,4-Dinitrophenol	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	2,4-Dinitrotoluene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	2,6-Dinitrotoluene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	2-Chloronaphthalene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	2-Chlorophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	2-Methylnaphthalene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	2-Methylphenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	2-Nitroaniline	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	2-Nitrophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	3,3'-Dichlorobenzidine	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	3/4-Methylphenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	4,6-Dinitro-2-Methylphenol	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	4-Bromophenyl-Phenyl Ether	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	4-Chloro-3-Methylphenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	4-Chloroaniline	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	4-Chlorophenyl-Phenyl Ether	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	4-Nitroaniline	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	4-Nitrophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Acenaphthene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Acenaphthylene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Aniline	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Anthracene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Azobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Benzidine	10	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Benzo (a) Anthracene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Benzo (a) Pyrene	0.35	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Benzo (b) Fluoranthene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Benzo (k) Fluoranthene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Benzoic Acid	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Benzyl Alcohol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Bis(2-Chloroethoxy) Methane	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Bis(2-Chloroethyl) Ether	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Bis(2-Chloroisopropyl) Ether	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Bis(2-Ethylhexyl) Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Butyl Benzyl Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Chrysene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Di-n-Butyl Phthalate	0.5	MG/KG	UJ	HTp>UCL

Method	NativeID	Matrix	Analyte	Result	Units	Final Flag	Reason
SW8270C	EPTC 3-4 SB 10-01	SOIL	Di-n-Octyl Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Dibenz (a,h) Anthracene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Dibenzofuran	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Diethyl Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Dimethyl Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Fluoranthene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Fluorene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Hexachloro-1,3-Butadiene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Hexachlorobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Hexachloroethane	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Indeno (1,2,3-c,d) Pyrene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Isophorone	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	N-Nitroso-di-n-propylamine	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	N-Nitrosodimethylamine	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	N-Nitrosodiphenylamine	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Naphthalene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Nitrobenzene	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Pentachlorophenol	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Phenanthrene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Phenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Pyrene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-01	SOIL	Pyridine	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	1,2,4-Trichlorobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	1,2-Dichlorobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	1,3-Dichlorobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	1,4-Dichlorobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	2,4,5-Trichlorophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	2,4,6-Trichlorophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	2,4-Dichlorophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	2,4-Dimethylphenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	2,4-Dinitrophenol	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	2,4-Dinitrotoluene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	2,6-Dinitrotoluene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	2-Chloronaphthalene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	2-Chlorophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	2-Methylnaphthalene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	2-Methylphenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	2-Nitroaniline	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	2-Nitrophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	3,3'-Dichlorobenzidine	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	3/4-Methylphenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	4,6-Dinitro-2-Methylphenol	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	4-Bromophenyl-Phenyl Ether	0.5	MG/KG	UJ	HTp>UCL

Method	NativeID	Matrix	Analyte	Result	Units	Final Flag	Reason
SW8270C	EPTC 3-4 SB 10-02	SOIL	4-Chloro-3-Methylphenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	4-Chloroaniline	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	4-Chlorophenyl-Phenyl Ether	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	4-Nitroaniline	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	4-Nitrophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Acenaphthene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Acenaphthylene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Aniline	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Anthracene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Azobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Benzidine	10	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Benzo (a) Anthracene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Benzo (a) Pyrene	0.35	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Benzo (b) Fluoranthene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Benzo (k) Fluoranthene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Benzoic Acid	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Benzyl Alcohol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Bis(2-Chloroethoxy) Methane	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Bis(2-Chloroethyl) Ether	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Bis(2-Chloroisopropyl) Ether	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Bis(2-Ethylhexyl) Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Butyl Benzyl Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Chrysene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Di-n-Butyl Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Di-n-Octyl Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Dibenz (a,h) Anthracene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Dibenzofuran	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Diethyl Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Dimethyl Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Fluoranthene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Fluorene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Hexachloro-1,3-Butadiene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Hexachlorobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Hexachloroethane	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Indeno (1,2,3-c,d) Pyrene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Isophorone	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	N-Nitroso-di-n-propylamine	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	N-Nitrosodimethylamine	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	N-Nitrosodiphenylamine	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Naphthalene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Nitrobenzene	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Pentachlorophenol	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Phenanthrene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Phenol	0.5	MG/KG	UJ	HTp>UCL

Method	NativeID	Matrix	Analyte	Result	Units	Final Flag	Reason
SW8270C	EPTC 3-4 SB 10-02	SOIL	Pyrene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-02	SOIL	Pyridine	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	1,2,4-Trichlorobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	1,2-Dichlorobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	1,3-Dichlorobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	1,4-Dichlorobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	2,4,5-Trichlorophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	2,4,6-Trichlorophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	2,4-Dichlorophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	2,4-Dimethylphenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	2,4-Dinitrophenol	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	2,4-Dinitrotoluene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	2,6-Dinitrotoluene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	2-Chloronaphthalene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	2-Chlorophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	2-Methylnaphthalene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	2-Methylphenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	2-Nitroaniline	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	2-Nitrophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	3,3'-Dichlorobenzidine	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	3/4-Methylphenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	4,6-Dinitro-2-Methylphenol	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	4-Bromophenyl-Phenyl Ether	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	4-Chloro-3-Methylphenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	4-Chloroaniline	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	4-Chlorophenyl-Phenyl Ether	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	4-Nitroaniline	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	4-Nitrophenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Acenaphthene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Acenaphthylene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Aniline	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Anthracene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Azobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Benzidine	10	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Benzo (a) Anthracene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Benzo (a) Pyrene	0.35	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Benzo (b) Fluoranthene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Benzo (k) Fluoranthene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Benzoic Acid	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Benzyl Alcohol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Bis(2-Chloroethoxy) Methane	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Bis(2-Chloroethyl) Ether	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Bis(2-Chloroisopropyl) Ether	0.5	MG/KG	UJ	HTp>UCL

Method	NativeID	Matrix	Analyte	Result	Units	Final Flag	Reason
SW8270C	EPTC 3-4 SB 10-04	SOIL	Bis(2-Ethylhexyl) Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Butyl Benzyl Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Chrysene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Di-n-Butyl Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Di-n-Octyl Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Dibenz (a,h) Anthracene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Dibenzofuran	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Diethyl Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Dimethyl Phthalate	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Fluoranthene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Fluorene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Hexachloro-1,3-Butadiene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Hexachlorobenzene	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Hexachloroethane	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Indeno (1,2,3-c,d) Pyrene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Isophorone	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	N-Nitroso-di-n-propylamine	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	N-Nitrosodimethylamine	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	N-Nitrosodiphenylamine	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Naphthalene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Nitrobenzene	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Pentachlorophenol	2.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Phenanthrene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Phenol	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Pyrene	0.4	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 10-04	SOIL	Pyridine	0.5	MG/KG	UJ	HTp>UCL
SW8270C	EPTC 3-4 SB 11-01	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 11-01	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 11-02	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 11-02	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 12-01	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 12-01	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 12-01	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 12-01	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 12-01	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 12-01	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 12-02	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 12-02	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 12-02	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 12-02	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 12-02	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 12-02	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 12-04	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 12-04	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC 3-4 SB 12-04	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL

Method	NativeID	Matrix	Analyte	Result	Units	Final Flag	Reason
SW8270C	EPTC 3-4 SB 12-04	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 12-04	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 12-04	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 13-01	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 13-01	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC 3-4 SB 13-02	SOIL	3-Nitroaniline	0.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC 3-4 SB 13-02	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC-3-4 SB 02-01	SOIL	1-Methylnaphthalene	0.4	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC-3-4 SB 02-01	SOIL	Benzidine	10	MG/KG	UJ	ICVS<LCL
SW8270C	EPTC-3-4 SB 02-01	SOIL	Benzidine	10	MG/KG	UJ	CCV<LCL
SW8270C	EPTC-3-4 SB 02-01	SOIL	Benzo (g,h,i) Perylene	0.4	MG/KG	UJ	CCV<LCL
SW8270C	EPTC-3-4 SB 02-01	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	IC%RSD
SW8270C	EPTC-3-4 SB 02-01	SOIL	Hexachlorocyclopentadiene	1.5	MG/KG	UJ	CCV<LCL

UJ = The analyte was analyzed for but was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

ICVS<LCL = Second source verification standard recovery less than lower control limit
CCV<LCL = Continuing calibration recovery less than lower control limit
IC%RSD = Initial calibration RSD exceeded
HTp>UCL = Holding time exceeded

Data Validation Report

Project/Site Name:	Alamitos EPTC – Parcel 3-4 Phase II ESA
Collection Date:	March 15-16, 2004
Report Date:	April 8, 2004
Parameters:	**Pesticides and PCBs**
Matrix:	Soil/GW
Laboratory:	Calscience Environmental Laboratories
Sample Delivery Group:	04030976; 04030917

Introduction

This data review covers the SDGs listed on the cover sheet. This SDG represents project samples analyzed by SW 846 Method 8081. Method specifications and requirements, as well as the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999 were mainly used as the basis for this review.

Calibration and QC summaries, as well as at least 10% of the raw data, were reviewed.

The data validation flags are defined below:

U Not Detected

The analyte was analyzed for but was not detected above the reported sample quantitation limit.

J Estimated Value

The analyte was detected, but the reported value may not be accurate or precise.

UJ Estimated Detection Limit

The analyte was analyzed for but was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

N Tentatively Identified

The analysis indicated the presence of an analyte for which there is presumptive evidence to make a tentative identification.

NJ Estimated Value for a tentatively Identified analyte

The analysis indicated the presence of an analyte that has been tentatively identified, and the associated numerical value represents its approximate concentration.

R Rejected

The analyte was analyzed for, but the result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Individual data validation reports were prepared for each SDG/method combination. This DQE report summarizes the findings of those data validation reports. Data qualifications resulting from the review are summarized in Table 1 at the end of this report.

I. Technical Holding Time

All holding time requirements were met.

II. Instrument Performance Check

All acceptance criteria were met.

III. Calibration

All acceptance criteria were met.

III. Method and Field Blanks

All acceptance criteria were met.

V. Laboratory Control Sample (LCS)

All acceptance criteria were met.

VI. Internal Standards

All acceptance criteria were met.

VII. Surrogates

All acceptance criteria were met.

VIII. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The recovery of one analyte was below criteria in two MS/MSD sets, indicating the associated parent sample results are possibly biased low. Two detected results in the parent samples were flagged "J". Table 1 contains a summary of the affected samples.

The recovery of one analyte was above below criteria in one MS/MSD set, indicating the associated parent sample result is possibly biased high. One detected result in the parent samples was flagged "J". Table 1 contains a summary of the affected samples.

IX. Field Duplicates

All acceptance criteria were met.

X. Overall Assessment of Data

The data were found to be acceptable and no datapoints were rejected.

Table 1 – Validation Flags

Method	NativeID	Matrix	Analyte	Result	Units	Final Flag	Reason
SW8081	EPTC 3-4 SB 08-01	SOIL	Dieldrin	8.8	UG/KG	J	MS>UCL
SW8081	EPTC 3-4 SB 08-01	SOIL	4,4'-DDT	100	UG/KG	J	SD<LCL
SW8081	EPTC 3-4 SB 08-01	SOIL	Dieldrin	8.8	UG/KG	J	SD>UCL
SW8081	EPTC 3-4 SB 12-01	SOIL	4,4'-DDT	37	UG/KG	J	MS<LCL
SW8081	EPTC 3-4 SB 12-01	SOIL	4,4'-DDT	37	UG/KG	J	SD<LCL

J = The analyte was detected, but the reported value may not be accurate or precise.

SD<LCL = Matrix spike duplicate recovery criteria less than lower limit
MS<LCL = Matrix spike recovery less than lower limit
SD>UCL = Matrix spike duplicate recovery criteria greater than upper limit
MS>UCL = Matrix spike recovery greater than upper limit

Data Validation Report

Project/Site Name:	Alamitos EPTC – Parcel 3-4 Phase II ESA
Collection Date:	March 15-16, 2004
Report Date:	April 8, 2004
Parameters:	**Volatile Organic Compounds**
Matrix:	Soil Gas (Air)
Laboratory:	Calscience Environmental Laboratories
Sample Delivery Group:	04030916

Introduction

This data review covers the SDGs listed on the cover sheet. This SDG represents project samples analyzed by Method TO15. Method specifications and requirements, as well as the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999 were mainly used as the basis for this review.

Calibration and QC summaries, as well as at least 10% of the raw data, were reviewed.

The data validation flags are defined below:

U Not Detected

The analyte was analyzed for but was not detected above the reported sample quantitation limit.

J Estimated Value

The analyte was detected, but the reported value may not be accurate or precise.

UJ Estimated Detection Limit

The analyte was analyzed for but was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

N Tentatively Identified

The analysis indicated the presence of an analyte for which there is presumptive evidence to make a tentative identification.

NJ Estimated Value for a tentatively Identified analyte

The analysis indicated the presence of an analyte that has been tentatively identified, and the associated numerical value represents its approximate concentration.

R Rejected

The analyte was analyzed for, but the result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Individual data validation reports were prepared for each SDG/method combination. This DQE report summarizes the findings of those data validation reports. Data qualifications resulting from the review are summarized in Table 1 at the end of this report.

I. Technical Holding Time

All holding time requirements were met.

II. Instrument Performance Check

All acceptance criteria were met.

III. Calibration

The percent relative standard deviation (%RSD) for one analyte was above criteria in the initial calibration, indicating that associated sample results are possibly biased. Eight associated non-detected results were flagged "UJ" and two detected results were flagged "J". Table 1 contains a summary of the affected samples.

The recoveries of four analytes were above criteria in several continuing calibration verification standards (CCV), indicating the associated sample results are possibly biased high. Eleven associated detected results were flagged "J". Table 1 contains a summary of the affected samples.

III. Method and Field Blanks

All acceptance criteria were met.

V. Laboratory Control Sample (LCS)

All acceptance criteria were met.

VI. Internal Standards

All acceptance criteria were met.

VII. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

None were analyzed for this method.

VIII. Field Duplicates

The relative percent differences of eight analytes in the field duplicate set were above criteria, indicating that the results may not be accurate or precise. Thirteen detected results and three non-detected results in the normal sample and duplicate were flagged "J" and "UJ", respectively. Table 1 contains a summary of the affected samples.

IX. Overall Assessment of Data

The data were found to be acceptable and no datapoints were rejected.

Table 1 –Validation Flags

Method	NativeID	Matrix	Analyte	Final	Units	Final	Validation
TO15	EPTC 3-4 SG-06-01	AIR	4-Ethyltoluene	1.5	PPB (V/V)	J	CCV>UCL
TO15	EPTC 3-4-SG-02-01	AIR	4-Ethyltoluene	0.69	PPB (V/V)	J	CCV>UCL
TO15	EPTC 3-4 SG-04-01	AIR	4-Ethyltoluene	0.48	PPB (V/V)	J	CCV>UCL
TO15	EPTC 3-4 SG-10-01	AIR	4-Ethyltoluene	1.5	PPB (V/V)	J	CCV>UCL
TO15	EPTC 3-4 SG-06-01	AIR	1,3,5-Trimethylbenzene	0.48	PPB (V/V)	J	CCV>UCL
TO15	EPTC 3-4 SG-10-01	AIR	1,3,5-Trimethylbenzene	1.6	PPB (V/V)	J	CCV>UCL
TO15	EPTC 3-4 SG-06-01	AIR	1,2,4-Trimethylbenzene	1.9	PPB (V/V)	J	CCV>UCL
TO15	EPTC 3-4 SG-10-01	AIR	1,2,4-Trimethylbenzene	9.4	PPB (V/V)	J	CCV>UCL
TO15	EPTC 3-4-SG-02-01	AIR	2-Hexanone	3.4	PPB (V/V)	J	CCV>UCL
TO15	EPTC 3-4 SG-04-01	AIR	2-Hexanone	1.1	PPB (V/V)	J	CCV>UCL
TO15	EPTC 3-4-SG-01-01	AIR	2-Hexanone	2.5	PPB (V/V)	J	CCV>UCL
TO15	EPTC 3-4 SG-09-01	AIR	1,2,4-Trimethylbenzene	1.4	PPB (V/V)	UJ	IC%RSD
TO15	EPTC 3-4 SG-06-01	AIR	1,2,4-Trimethylbenzene	1.9	PPB (V/V)	J	IC%RSD
TO15	EPTC 3-4-SG-02-01	AIR	1,2,4-Trimethylbenzene	1.5	PPB (V/V)	UJ	IC%RSD
TO15	EPTC 3-4 SG-04-01	AIR	1,2,4-Trimethylbenzene	1.4	PPB (V/V)	UJ	IC%RSD
TO15	EPTC 3-4 SG-10-01	AIR	1,2,4-Trimethylbenzene	9.4	PPB (V/V)	J	IC%RSD
TO15	EPTC 3-4 SG-05-01	AIR	1,2,4-Trimethylbenzene	1.4	PPB (V/V)	UJ	IC%RSD
TO15	EPTC 3-4 SG-07-01	AIR	1,2,4-Trimethylbenzene	1.5	PPB (V/V)	UJ	IC%RSD
TO15	EPTC 3-4 SG-03-01	AIR	1,2,4-Trimethylbenzene	1.4	PPB (V/V)	UJ	IC%RSD
TO15	EPTC 3-4-SG-01-03	AIR	1,2,4-Trimethylbenzene	1.6	PPB (V/V)	UJ	IC%RSD
TO15	EPTC 3-4-SG-01-01	AIR	1,2,4-Trimethylbenzene	1.6	PPB (V/V)	UJ	IC%RSD
TO15	EPTC 3-4-SG-01-01	AIR	Benzene	1.6	PPB (V/V)	J	FD>RPD
TO15	EPTC 3-4-SG-01-01	AIR	1,1,1-Trichloroethane	1.2	PPB (V/V)	J	FD>RPD
TO15	EPTC 3-4-SG-01-01	AIR	Chloromethane	1.7	PPB (V/V)	J	FD>RPD
TO15	EPTC 3-4-SG-01-01	AIR	Trichlorofluoromethane	2.1	PPB (V/V)	J	FD>RPD
TO15	EPTC 3-4 SG-03-01	AIR	Toluene	0.77	PPB (V/V)	J	FD>RPD
TO15	EPTC 3-4 SG-03-01	AIR	Tetrachloroethene	0.47	PPB (V/V)	J	FD>RPD
TO15	EPTC 3-4 SG-03-01	AIR	2-Hexanone	1.4	PPB (V/V)	UJ	FD>RPD
TO15	EPTC 3-4 SG-03-01	AIR	Acetone	19	PPB (V/V)	J	FD>RPD
TO15	EPTC 3-4 SG-03-01	AIR	Benzene	0.69	PPB (V/V)	J	FD>RPD
TO15	EPTC 3-4 SG-03-01	AIR	1,1,1-Trichloroethane	0.69	PPB (V/V)	UJ	FD>RPD
TO15	EPTC 3-4 SG-03-01	AIR	Chloromethane	0.69	PPB (V/V)	UJ	FD>RPD
TO15	EPTC 3-4 SG-03-01	AIR	Trichlorofluoromethane	0.62	PPB (V/V)	J	FD>RPD
TO15	EPTC 3-4-SG-01-01	AIR	Toluene	1.2	PPB (V/V)	J	FD>RPD
TO15	EPTC 3-4-SG-01-01	AIR	Tetrachloroethene	2.1	PPB (V/V)	J	FD>RPD
TO15	EPTC 3-4-SG-01-01	AIR	2-Hexanone	2.5	PPB (V/V)	J	FD>RPD
TO15	EPTC 3-4-SG-01-01	AIR	Acetone	66	PPB (V/V)	J	FD>RPD

J = The analyte was detected, but the reported value may not be accurate or precise.

UJ = The analyte was analyzed for but was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

CCV>UCL = Continuing calibration recovery greater than upper control limit

IC%RSD = Initial calibration RSD exceeded

FD>RPD = Field duplicate exceeds RPD criteria

Data Validation Report

Project/Site Name:	Alamitos EPTC – Parcel 3-4 Phase II ESA
Collection Date:	March 15-16, 2004
Report Date:	April 8, 2004
Parameters:	**Hydrogen Sulfide**
Matrix:	Soil Gas (Air)
Laboratory:	Calscience Environmental Laboratories
Sample Delivery Group:	04030915

Introduction

This data review covers the SDGs listed on the cover sheet. This SDG represents project samples analyzed by EPA Method 16. Method specifications and requirements, as well as the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999 were mainly used as the basis for this review.

Calibration and QC summaries, as well as at least 10% of the raw data, were reviewed.

The data validation flags are defined below:

U Not Detected

The analyte was analyzed for but was not detected above the reported sample quantitation limit.

J Estimated Value

The analyte was detected, but the reported value may not be accurate or precise.

UJ Estimated Detection Limit

The analyte was analyzed for but was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

N Tentatively Identified

The analysis indicated the presence of an analyte for which there is presumptive evidence to make a tentative identification.

NJ Estimated Value for a tentatively Identified analyte

The analysis indicated the presence of an analyte that has been tentatively identified, and the associated numerical value represents its approximate concentration.

R Rejected

The analyte was analyzed for, but the result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Individual data validation reports were prepared for each SDG/method combination. This DQE report summarizes the findings of those data validation reports. No data required qualification in this dataset.

I. Technical Holding Time

All holding time requirements were met.

II. Instrument Performance Check

All acceptance criteria were met.

III. Calibration

All acceptance criteria were met.

III. Method and Field Blanks

All acceptance criteria were met.

V. Laboratory Control Sample (LCS)

All acceptance criteria were met.

VI. Internal Standards

Not applicable.

VII. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

None were analyzed for this method.

VIII. Field Duplicates

None were analyzed for this method.

IX. Overall Assessment of Data

The data were found to be acceptable and no datapoints were rejected.

Data Validation Report

Project/Site Name:	Alamitos EPTC – Parcel 3-4 Phase II ESA
Collection Date:	March 15-16, 2004
Report Date:	April 8, 2004
Parameters:	**Methane**
Matrix:	Soil Gas (Air)
Laboratory:	Calscience Environmental Laboratories
Sample Delivery Group:	04030915

Introduction

This data review covers the SDGs listed on the cover sheet. This SDG represents project samples analyzed by SCAQMD Method 25.1. Method specifications and requirements, as well as the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999 were mainly used as the basis for this review.

Calibration and QC summaries, as well as at least 10% of the raw data, were reviewed.

The data validation flags are defined below:

U Not Detected

The analyte was analyzed for but was not detected above the reported sample quantitation limit.

J Estimated Value

The analyte was detected, but the reported value may not be accurate or precise.

UJ Estimated Detection Limit

The analyte was analyzed for but was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

N Tentatively Identified

The analysis indicated the presence of an analyte for which there is presumptive evidence to make a tentative identification.

NJ Estimated Value for a tentatively Identified analyte

The analysis indicated the presence of an analyte that has been tentatively identified, and the associated numerical value represents its approximate concentration.

R Rejected

The analyte was analyzed for, but the result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Individual data validation reports were prepared for each SDG/method combination. This DQE report summarizes the findings of those data validation reports. No data required qualification in this dataset.

I. Technical Holding Time

All holding time requirements were met.

II. Instrument Performance Check

All acceptance criteria were met.

III. Calibration

All acceptance criteria were met.

III. Method and Field Blanks

All acceptance criteria were met.

V. Laboratory Control Sample (LCS)

All acceptance criteria were met.

VI. Internal Standards

Not applicable.

VII. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

None were analyzed for this method.

VIII. Field Duplicates

None were analyzed for this method.

IX. Overall Assessment of Data

The data were found to be acceptable and no datapoints were rejected.

Appendix D
Laboratory Analytical Reports

Table 2-1
Summary of Laboratory Analyses - Soil Samples
Phase II ESA
Alamitos EPTC Parcel 3-4

Location	Sample Number	Depth (ft)	Sample Type	Date	Total Metals (EPA 6010/7000)	VOCs (EPA 8260B)	SVOCs (EPA 8270C)	OC Pest. (EPA 8081)	PCBs (EPA 8082)	PID (ppm)	Comments
SB1	EPTC3-4-SB01-01	0.5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB01-02	5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB01-03	10	N	3/15/2004						sample moist	Not Sampled
SB2	EPTC3-4-SB02-01	0.5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB02-02	5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB02-03	10	N	3/15/2004						sample moist	Not Sampled
SB3	EPTC3-4-SB03-01	0.5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB03-02	5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB03-03	10	N	3/15/2004	1	1	1	1		NR	Removed from hold 03/26
SB4	EPTC3-4-SB04-01	0.5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB04-02	5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB04-03	10	N	3/15/2004						N/R	Not Sampled
SB5	EPTC3-4-SB05-01	0.5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB05-02	5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB05-03	10	N	3/15/2004						N/R	Not Sampled
	EPTC3-4-SB05-04	5	FD	3/15/2004	1	1	1	1		0.00	
SB6	EPTC3-4-SB06-01	0.5	N	3/15/2004	1	1	1	1		N/R	
	EPTC3-4-SB06-02	5	N	3/15/2004	1	1	1	1		N/R	
	EPTC3-4-SB06-03	10	N	3/15/2004						N/R	Not Sampled
SB7	EPTC3-4-SB07-01	0.5	N	3/15/2004	1	1	1	1		N/R	
	EPTC3-4-SB07-02	5	N	3/15/2004	1	1	1	1		N/R	
	EPTC3-4-SB07-03	10	N	3/15/2004	1	1	1	1		N/R	Removed from hold 03/26
SB8	EPTC3-4-SB08-01	0.5	N	3/15/2004	2	2	2	2		0.00	MS/MSD
	EPTC3-4-SB08-02	5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB08-03	10	N	3/15/2004	1	1	1	1		N/R	Removed from hold 03/26
	EPTC3-4-SB08-04	5	FD	3/15/2004	1	1	1	1		0.00	
SB9	EPTC3-4-SB09-01	0.5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB09-02	5	N	3/15/2004	2	2	2	2		0.00	MS/MSD
	EPTC3-4-SB09-03	10	N	3/15/2004	1	1	1	1		N/R	Removed from hold 03/26
	EPTC3-4-SB09-04	0.5	FD	3/15/2004	1	1	1	1		0.00	
SB10 (Drum Storage Area)	EPTC3-4-SB10-01	0.5	N	3/15/2004	1	1	1	1	1	0.00	
	EPTC3-4-SB10-02	5	N	3/15/2004	2	2	2	2	2	0.00	MS/MSD
	EPTC3-4-SB10-03	10	N	3/15/2004						N/R	Not Sampled
	EPTC3-4-SB10-04	0.5	FD	3/15/2004	1	1	1	1	1	0.00	
SB11	EPTC3-4-SB11-01	0.5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB11-02	5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB11-03	10	N	3/15/2004						N/R	Not Sampled
SB12	EPTC3-4-SB12-01	0.5	N	3/15/2004	2	2	2	2		0.00	MS/MSD
	EPTC3-4-SB12-02	5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB12-03	10	N	3/15/2004	1	1	1	1		N/R	Removed from hold 03/26
	EPTC3-4-SB12-04	5	FD	3/15/2004	1	1	1	1		0.00	
SB13	EPTC3-4-SB13-01	0.5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB13-02	5	N	3/15/2004	1	1	1	1		0.00	
	EPTC3-4-SB13-03	10	N	3/15/2004	1	1	1	1		N/R	Removed from hold 03/26
DP-1	EPTC3-4-DP01-01	0.5	N	3/15/2004	1	1	1	1		N/R	Debris Pit
	EPTC3-4-DP01-02	5	N	3/15/2004	1	1	1	1		N/R	Debris Pit
	EPTC3-4-DP01-03	10	N	3/15/2004						N/R	Not Sampled
BG-1	EPTC3-4-BG01-01	5	N	3/16/2004	1						Background
BG-2	EPTC3-4-BG02-01	5	N	3/16/2004	1						Background
BG-3	EPTC3-4-BG03-01	5	N	3/16/2004	1						Background
Equipment Blank	EPTC3-4-EB01			3/15/2004		1	1				
	EPTC3-4-EB02			3/16/2004	1	1	1	1	1		
Trip Blank	EPTC3-4-TB			3/15/2004		1					
Total Samples					47	46	45	44	5		

Notes:

N = Normal Field Sample

FD = Field Duplicate

MS/MSD = Matrix Spike/Matrix Spike Duplicate

N/R = Not recorded

Sample Delivery Group # for Soil Sample Analysis is 04-03-0917 [includes a change order to analyze samples that were on hold initially]

Calscience Environmental Laboratories, Inc.

CH2M Hill

Alamitos EPTC Parcel 3-4

182222.EP.02

Laboratory Report

04-03-0917

Prepared For:

Mr. Partha Bora
CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794
(714) 435-6181

March 2004

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

Calscience Environmental Laboratories, Inc.

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

Calscience
Environmental
Laboratories, Inc.

March 26, 2004

Partha Bora
CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Subject: **Calscience Work Order No.: 04-03-0917**
Client Reference: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/15/2004 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Paul Mead
Project Manager

Michael J. Crisostomo
Quality Assurance Manager

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB01-01	04-03-0917-1	03/15/04	Solid	03/16/04	03/17/04	040316L05

Comment(s): Mercury was analyzed on 3/17/2004 11:42:14 AM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0574	0.0835	0.0130	1	J
Arsenic	5.30	0.75	0.130	1		Molybdenum	0.657	0.250	0.0206	1	
Barium	154	0.500	0.164	1		Nickel	22.5	0.2	0.0346	1	
Beryllium	0.561	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.30	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	22.4	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	12.6	0.2	0.0085	1		Vanadium	50.8	0.2	0.0093	1	
Copper	27.8	0.5	0.0469	1		Zinc	55.3	1.0	0.177	1	
Lead	10.0	0.5	0.0527	1							

EPTC 3-4 SB01-02	04-03-0917-2	03/15/04	Solid	03/16/04	03/17/04	040316L05

Comment(s): Mercury was analyzed on 3/17/2004 11:45:16 AM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0240	0.0835	0.0130	1	J
Arsenic	5.47	0.75	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	127	0.500	0.164	1		Nickel	13.8	0.2	0.0346	1	
Beryllium	0.328	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.844	0.500	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	16.5	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	9.37	0.25	0.0085	1		Vanadium	32.7	0.2	0.0093	1	
Copper	18.7	0.5	0.0469	1		Zinc	40.0	1.0	0.177	1	
Lead	3.13	0.50	0.0527	1							

EPTC-3-4 SB-02-01	04-03-0917-4	03/15/04	Solid	03/16/04	03/17/04	040316L05

Comment(s): Mercury was analyzed on 3/17/2004 11:48:19 AM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0422	0.0835	0.0130	1	J
Arsenic	5.74	0.75	0.130	1		Molybdenum	0.686	0.250	0.0206	1	
Barium	130	0.500	0.164	1		Nickel	18.8	0.2	0.0346	1	
Beryllium	0.536	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.25	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	21.1	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	13.7	0.2	0.0085	1		Vanadium	45.1	0.2	0.0093	1	
Copper	26.3	0.5	0.0469	1		Zinc	94.0	1.0	0.177	1	
Lead	8.76	0.50	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB02-02	04-03-0917-5	03/15/04	Solid	03/16/04	03/17/04	040316L05

Comment(s): Mercury was analyzed on 3/17/2004 11:51:23 AM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0558	0.0835	0.0130	1	J
Arsenic	3.53	0.75	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	159	0.500	0.164	1		Nickel	22.6	0.2	0.0346	1	
Beryllium	0.689	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.51	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	29.3	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	14.2	0.2	0.0085	1		Vanadium	51.2	0.2	0.0093	1	
Copper	37.4	0.5	0.0469	1		Zinc	69.5	1.0	0.177	1	
Lead	7.68	0.50	0.0527	1							

EPTC 3-4 SB05-01	04-03-0917-7	03/15/04	Solid	03/16/04	03/17/04	040316L05

Comment(s): Mercury was analyzed on 3/17/2004 11:54:27 AM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0162	0.0835	0.0130	1	J
Arsenic	2.09	0.75	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	120	0.500	0.164	1		Nickel	19.5	0.2	0.0346	1	
Beryllium	0.792	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.51	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	25.1	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	13.3	0.2	0.0085	1		Vanadium	51.1	0.2	0.0093	1	
Copper	25.9	0.5	0.0469	1		Zinc	67.1	1.0	0.177	1	
Lead	7.88	0.50	0.0527	1							

EPTC 3-4 SB05-02	04-03-0917-8	03/15/04	Solid	03/16/04	03/17/04	040316L05

Comment(s): Mercury was analyzed on 3/17/2004 11:57:31 AM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0521	0.0835	0.0130	1	J
Arsenic	ND	0.750	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	161	0.500	0.164	1		Nickel	22.2	0.2	0.0346	1	
Beryllium	0.634	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.53	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	27.9	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	14.4	0.2	0.0085	1		Vanadium	42.2	0.2	0.0093	1	
Copper	39.9	0.5	0.0469	1		Zinc	68.4	1.0	0.177	1	
Lead	6.32	0.50	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB05-04	04-03-0917-10	03/15/04	Solid	03/16/04	03/17/04	040316L05

Comment(s): Mercury was analyzed on 3/17/2004 12:00:35 PM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0326	0.0835	0.0130	1	J
Arsenic	0.594	0.750	0.130	1	J	Molybdenum	ND	0.250	0.0206	1	
Barium	162	0.500	0.164	1		Nickel	22.9	0.2	0.0346	1	
Beryllium	0.659	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.64	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	27.1	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	13.7	0.2	0.0085	1		Vanadium	44.7	0.2	0.0093	1	
Copper	37.1	0.5	0.0469	1		Zinc	71.4	1.0	0.177	1	
Lead	9.33	0.50	0.0527	1							

EPTC 3-4 SB08-01	04-03-0917-11	03/15/04	Solid	03/16/04	03/17/04	040316L05

Comment(s): Mercury was analyzed on 3/17/2004 12:03:36 PM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.134	0.083	0.0130	1	
Arsenic	17.3	0.7	0.130	1		Molybdenum	0.443	0.250	0.0206	1	
Barium	637	0.500	0.164	1		Nickel	18.2	0.2	0.0346	1	
Beryllium	0.413	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.18	0.50	0.0098	1		Silver	0.103	0.250	0.0209	1	J
Chromium (Total)	23.1	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	8.65	0.25	0.0085	1		Vanadium	37.2	0.2	0.0093	1	
Copper	35.7	0.5	0.0469	1		Zinc	359	1	0.177	1	
Lead	3420	5	0.527	10							

EPTC 3-4 SB08-02	04-03-0917-12	03/15/04	Solid	03/16/04	03/17/04	040316L05

Comment(s): Mercury was analyzed on 3/17/2004 12:06:33 PM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.451	0.083	0.0130	1	
Arsenic	4.79	0.75	0.130	1		Molybdenum	0.710	0.250	0.0206	1	
Barium	151	0.500	0.164	1		Nickel	17.3	0.2	0.0346	1	
Beryllium	0.522	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.07	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	20.6	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	10.9	0.2	0.0085	1		Vanadium	41.9	0.2	0.0093	1	
Copper	23.4	0.5	0.0469	1		Zinc	52.1	1.0	0.177	1	
Lead	9.87	0.50	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB08-04	04-03-0917-14	03/15/04	Solid	03/16/04	03/17/04	040316L05

Comment(s): Mercury was analyzed on 3/17/2004 12:15:36 PM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0737	0.0835	0.0130	1	J
Arsenic	5.30	0.75	0.130	1		Molybdenum	0.0602	0.250	0.0206	1	J
Barium	169	0.500	0.164	1		Nickel	20.8	0.2	0.0346	1	
Beryllium	0.744	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.49	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	26.9	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	15.1	0.2	0.0085	1		Vanadium	59.3	0.2	0.0093	1	
Copper	26.8	0.5	0.0469	1		Zinc	74.8	1.0	0.177	1	
Lead	6.48	0.50	0.0527	1							

EPTC 3-4 SB09-01	04-03-0917-15	03/15/04	Solid	03/16/04	03/17/04	040316L05

Comment(s): Mercury was analyzed on 3/17/2004 12:18:35 PM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0378	0.0835	0.0130	1	J
Arsenic	2.58	0.75	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	73.1	0.5	0.164	1		Nickel	15.0	0.2	0.0346	1	
Beryllium	0.338	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.04	0.50	0.0098	1		Silver	0.0577	0.250	0.0209	1	J
Chromium (Total)	15.2	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	7.90	0.25	0.0085	1		Vanadium	28.9	0.2	0.0093	1	
Copper	18.1	0.5	0.0469	1		Zinc	81.5	1.0	0.177	1	
Lead	42.3	0.5	0.0527	1							

EPTC 3-4 SB09-02	04-03-0917-16	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 12:21:34 PM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0765	0.0835	0.0130	1	J
Arsenic	5.04	0.75	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	81.1	0.5	0.164	1		Nickel	39.4	0.2	0.0346	1	
Beryllium	0.430	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.44	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	16.7	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	9.51	0.25	0.0085	1		Vanadium	113	0.250	0.0093	1	
Copper	18.5	0.5	0.0469	1		Zinc	194	1	0.177	1	
Lead	56.3	0.5	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB09-04	04-03-0917-18	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 12:24:34 PM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0322	0.0835	0.0130	1	J
Arsenic	1.25	0.75	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	67.6	0.5	0.164	1		Nickel	10.8	0.2	0.0346	1	
Beryllium	0.321	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.842	0.500	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	15.2	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	7.18	0.25	0.0085	1		Vanadium	27.9	0.2	0.0093	1	
Copper	12.9	0.5	0.0469	1		Zinc	50.9	1.0	0.177	1	
Lead	20.0	0.5	0.0527	1							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB10-01	04-03-0917-19	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 12:27:34 PM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0223	0.0835	0.0130	1	J
Arsenic	1.93	0.75	0.130	1		Molybdenum	0.132	0.250	0.0206	1	J
Barium	33.2	0.5	0.164	1		Nickel	12.3	0.2	0.0346	1	
Beryllium	0.152	0.250	0.0036	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	0.352	0.500	0.0098	1	J	Silver	ND	0.250	0.0209	1	
Chromium (Total)	5.33	0.25	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	3.19	0.25	0.0085	1		Vanadium	23.9	0.2	0.0093	1	
Copper	6.01	0.50	0.0469	1		Zinc	21.9	1.0	0.177	1	
Lead	2.80	0.50	0.0527	1							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB10-02	04-03-0917-20	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 12:30:35 PM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0596	0.0835	0.0130	1	J
Arsenic	4.74	0.75	0.130	1		Molybdenum	0.492	0.250	0.0206	1	
Barium	122	0.500	0.164	1		Nickel	19.3	0.2	0.0346	1	
Beryllium	0.429	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.882	0.500	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	17.0	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	8.93	0.25	0.0085	1		Vanadium	45.0	0.2	0.0093	1	
Copper	19.6	0.5	0.0469	1		Zinc	41.0	1.0	0.177	1	
Lead	6.84	0.50	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB10-04	04-03-0917-22	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 12:33:36 PM with batch 040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0781	0.0835	0.0130	1	J
Arsenic	4.57	0.75	0.130	1		Molybdenum	0.175	0.250	0.0206	1	J
Barium	87.4	0.5	0.164	1		Nickel	13.0	0.2	0.0346	1	
Beryllium	0.249	0.250	0.0036	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	0.510	0.500	0.0098	1		Silver	0.0294	0.250	0.0209	1	J
Chromium (Total)	10.0	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	5.37	0.25	0.0085	1		Vanadium	29.6	0.2	0.0093	1	
Copper	10.5	0.5	0.0469	1		Zinc	29.3	1.0	0.177	1	
Lead	9.04	0.50	0.0527	1							

EPTC 3-4 SB12-01	04-03-0917-23	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 12:36:38 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0877	0.0835	0.0130	1	
Arsenic	6.05	0.75	0.130	1		Molybdenum	3.93	0.25	0.0206	1	
Barium	175	0.500	0.164	1		Nickel	126	0.250	0.0346	1	
Beryllium	0.780	0.250	0.0036	1		Selenium	2.51	0.75	0.175	1	
Cadmium	1.90	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	24.7	0.2	0.0291	1		Thallium	0.334	0.750	0.0987	1	J
Cobalt	13.6	0.2	0.0085	1		Vanadium	332	0.250	0.0093	1	
Copper	29.4	0.5	0.0469	1		Zinc	55.4	1.0	0.177	1	
Lead	8.21	0.50	0.0527	1							

EPTC 3-4 SB12-02	04-03-0917-24	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 12:39:40 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0562	0.0835	0.0130	1	J
Arsenic	2.08	0.75	0.130	1		Molybdenum	3.54	0.25	0.0206	1	
Barium	142	0.500	0.164	1		Nickel	42.8	0.2	0.0346	1	
Beryllium	0.539	0.250	0.0036	1		Selenium	9.24	0.75	0.175	1	
Cadmium	1.35	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	22.8	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	12.4	0.2	0.0085	1		Vanadium	54.1	0.2	0.0093	1	
Copper	26.4	0.5	0.0469	1		Zinc	54.4	1.0	0.177	1	
Lead	7.75	0.50	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB12-04	04-03-0917-26	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 12:43:38 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0645	0.0835	0.0130	1	J
Arsenic	5.37	0.75	0.130	1		Molybdenum	3.77	0.25	0.0206	1	
Barium	163	0.500	0.164	1		Nickel	43.2	0.2	0.0346	1	
Beryllium	0.572	0.250	0.0036	1		Selenium	14.2	0.7	0.175	1	
Cadmium	1.50	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	23.9	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	13.2	0.2	0.0085	1		Vanadium	63.2	0.2	0.0093	1	
Copper	29.6	0.5	0.0469	1		Zinc	54.8	1.0	0.177	1	
Lead	7.99	0.50	0.0527	1							

EPTC 3-4 DP01-01	04-03-0917-27	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 12:52:46 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0470	0.0835	0.0130	1	J
Arsenic	4.32	0.75	0.130	1		Molybdenum	0.0551	0.250	0.0206	1	J
Barium	100	0.500	0.164	1		Nickel	14.6	0.2	0.0346	1	
Beryllium	0.345	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.872	0.500	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	19.8	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	7.55	0.25	0.0085	1		Vanadium	30.9	0.2	0.0093	1	
Copper	16.6	0.5	0.0469	1		Zinc	63.4	1.0	0.177	1	
Lead	41.0	0.5	0.0527	1							

EPTC 3-4 DP01-02	04-03-0917-28	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 12:55:49 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0528	0.0835	0.0130	1	J
Arsenic	3.37	0.75	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	140	0.500	0.164	1		Nickel	20.8	0.2	0.0346	1	
Beryllium	0.511	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.24	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	21.3	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	11.3	0.2	0.0085	1		Vanadium	41.2	0.2	0.0093	1	
Copper	28.8	0.5	0.0469	1		Zinc	61.1	1.0	0.177	1	
Lead	14.8	0.5	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB07-01	04-03-0917-30	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 12:58:52 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.211	0.083	0.0130	1	
Arsenic	5.37	0.75	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	154	0.500	0.164	1		Nickel	20.1	0.2	0.0346	1	
Beryllium	0.504	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.02	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	21.9	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	12.3	0.2	0.0085	1		Vanadium	43.2	0.2	0.0093	1	
Copper	22.4	0.5	0.0469	1		Zinc	48.9	1.0	0.177	1	
Lead	10.2	0.5	0.0527	1							

EPTC 3-4 SB07-02	04-03-0917-31	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 1:01:53 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	7.09	0.75	0.191	1		Mercury	0.0178	0.0835	0.0130	1	J
Arsenic	10.8	0.7	0.130	1		Molybdenum	3.62	0.25	0.0206	1	
Barium	234	0.500	0.164	1		Nickel	2370	2	0.346	10	
Beryllium	2.00	0.25	0.0036	1		Selenium	31.9	0.7	0.175	1	
Cadmium	12.3	0.5	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	23.3	0.2	0.0291	1		Thallium	22.2	0.7	0.0987	1	
Cobalt	61.1	0.2	0.0085	1		Vanadium	3430	2	0.0934	10	
Copper	16.3	0.5	0.0469	1		Zinc	52.8	1.0	0.177	1	
Lead	30.6	0.5	0.0527	1							

EPTC 3-4 SB04-01	04-03-0917-33	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 1:04:50 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0493	0.0835	0.0130	1	J
Arsenic	3.00	0.75	0.130	1		Molybdenum	0.0282	0.250	0.0206	1	J
Barium	84.8	0.5	0.164	1		Nickel	15.1	0.2	0.0346	1	
Beryllium	0.345	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.833	0.500	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	16.6	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	7.58	0.25	0.0085	1		Vanadium	31.5	0.2	0.0093	1	
Copper	15.6	0.5	0.0469	1		Zinc	62.8	1.0	0.177	1	
Lead	25.9	0.5	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB04-02	04-03-0917-34	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 1:07:48 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0319	0.0835	0.0130	1	J
Arsenic	2.20	0.75	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	145	0.500	0.164	1		Nickel	20.1	0.2	0.0346	1	
Beryllium	0.463	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.18	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	19.9	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	11.1	0.2	0.0085	1		Vanadium	43.9	0.2	0.0093	1	
Copper	23.7	0.5	0.0469	1		Zinc	49.1	1.0	0.177	1	
Lead	5.56	0.50	0.0527	1							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB13-01	04-03-0917-36	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 1:10:46 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.100	0.083	0.0130	1	
Arsenic	21.2	0.7	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	122	0.500	0.164	1		Nickel	16.9	0.2	0.0346	1	
Beryllium	0.449	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.36	0.50	0.0098	1		Silver	0.107	0.250	0.0209	1	J
Chromium (Total)	30.5	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	9.44	0.25	0.0085	1		Vanadium	38.3	0.2	0.0093	1	
Copper	22.3	0.5	0.0469	1		Zinc	72.7	1.0	0.177	1	
Lead	22.3	0.5	0.0527	1							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB13-02	04-03-0917-37	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 1:13:44 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0907	0.0835	0.0130	1	
Arsenic	6.91	0.75	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	189	0.500	0.164	1		Nickel	50.0	0.2	0.0346	1	
Beryllium	0.669	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	2.00	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	30.6	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	15.3	0.2	0.0085	1		Vanadium	77.3	0.2	0.0093	1	
Copper	40.7	0.5	0.0469	1		Zinc	119	1	0.177	1	
Lead	190	0.500	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB11-01	04-03-0917-39	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 1:16:44 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0878	0.0835	0.0130	1	
Arsenic	8.94	0.75	0.130	1		Molybdenum	0.257	0.250	0.0206	1	
Barium	67.7	0.5	0.164	1		Nickel	12.8	0.2	0.0346	1	
Beryllium	0.230	0.250	0.0036	1	J	Selenium	ND	0.750	0.175	1	
Cadmium	0.877	0.500	0.0098	1		Silver	0.0659	0.250	0.0209	1	J
Chromium (Total)	18.6	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	5.96	0.25	0.0085	1		Vanadium	29.0	0.2	0.0093	1	
Copper	16.6	0.5	0.0469	1		Zinc	52.8	1.0	0.177	1	
Lead	18.9	0.5	0.0527	1							

EPTC 3-4 SB11-02	04-03-0917-40	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 1:19:43 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0345	0.0835	0.0130	1	J
Arsenic	1.83	0.75	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	157	0.500	0.164	1		Nickel	15.9	0.2	0.0346	1	
Beryllium	0.417	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	0.993	0.500	0.0098	1		Silver	0.0361	0.250	0.0209	1	J
Chromium (Total)	18.9	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	8.64	0.25	0.0085	1		Vanadium	31.9	0.2	0.0093	1	
Copper	21.3	0.5	0.0469	1		Zinc	51.2	1.0	0.177	1	
Lead	17.8	0.5	0.0527	1							

EPTC 3-4 SB06-01	04-03-0917-42	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 1:28:47 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0592	0.0835	0.0130	1	J
Arsenic	3.70	0.75	0.130	1		Molybdenum	1.01	0.25	0.0206	1	
Barium	139	0.500	0.164	1		Nickel	19.9	0.2	0.0346	1	
Beryllium	0.510	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.03	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	20.9	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	9.86	0.25	0.0085	1		Vanadium	40.8	0.2	0.0093	1	
Copper	21.5	0.5	0.0469	1		Zinc	49.4	1.0	0.177	1	
Lead	11.1	0.5	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB06-02	04-03-0917-43	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 1:31:48 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0521	0.0835	0.0130	1	J
Arsenic	2.81	0.75	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	147	0.500	0.164	1		Nickel	29.9	0.2	0.0346	1	
Beryllium	0.534	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.36	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	23.8	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	12.0	0.2	0.0085	1		Vanadium	44.7	0.2	0.0093	1	
Copper	29.3	0.5	0.0469	1		Zinc	72.1	1.0	0.177	1	
Lead	31.2	0.5	0.0527	1							

EPTC 3-4 SB03-01	04-03-0917-45	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 1:34:50 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0926	0.0835	0.0130	1	
Arsenic	11.0	0.7	0.130	1		Molybdenum	0.0293	0.250	0.0206	1	J
Barium	121	0.500	0.164	1		Nickel	17.9	0.2	0.0346	1	
Beryllium	0.470	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.15	0.50	0.0098	1		Silver	0.0515	0.250	0.0209	1	J
Chromium (Total)	25.9	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	10.3	0.2	0.0085	1		Vanadium	37.3	0.2	0.0093	1	
Copper	20.8	0.5	0.0469	1		Zinc	61.2	1.0	0.177	1	
Lead	17.4	0.5	0.0527	1							

EPTC 3-4 SB03-02	04-03-0917-46	03/15/04	Solid	03/16/04	03/17/04	040316L06

Comment(s): Mercury was analyzed on 3/17/2004 1:37:51 PM with batch 040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Mercury	0.0780	0.0835	0.0130	1	J
Arsenic	7.45	0.75	0.130	1		Molybdenum	ND	0.250	0.0206	1	
Barium	203	0.500	0.164	1		Nickel	43.7	0.2	0.0346	1	
Beryllium	0.666	0.250	0.0036	1		Selenium	ND	0.750	0.175	1	
Cadmium	1.94	0.50	0.0098	1		Silver	ND	0.250	0.0209	1	
Chromium (Total)	31.7	0.2	0.0291	1		Thallium	ND	0.750	0.0987	1	
Cobalt	15.9	0.2	0.0085	1		Vanadium	70.6	0.2	0.0093	1	
Copper	39.7	0.5	0.0469	1		Zinc	99.7	1.0	0.177	1	
Lead	74.1	0.5	0.0527	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-04-007-2,481**	**N/A**	**Solid**	**03/16/04**	**03/17/04**	**040316L02**

Parameter	Result	RL	MDL	DF	Qual
Mercury	ND	0.0835	0.0130	1	

Method Blank	099-04-007-2,482	N/A	Solid	03/16/04	03/17/04	040316L03

Parameter	Result	RL	MDL	DF	Qual
Mercury	ND	0.0835	0.0130	1	

Method Blank	097-01-002-5,248	N/A	Solid	03/16/04	03/17/04	040316L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Molybdenum	0.0266	0.250	0.0206	1	J
Arsenic	0.212	0.750	0.130	1	J	Nickel	ND	0.250	0.0346	1	
Barium	ND	0.500	0.164	1		Selenium	0.238	0.750	0.175	1	J
Beryllium	0.0129	0.250	0.0036	1	J	Silver	ND	0.250	0.0209	1	
Cadmium	ND	0.500	0.0098	1		Thallium	ND	0.750	0.0987	1	
Chromium (Total)	ND	0.250	0.0291	1		Vanadium	0.0151	0.250	0.0093	1	J
Cobalt	0.00997	0.250	0.0085	1	J	Zinc	ND	1.00	0.177	1	
Copper	0.0925	0.500	0.0469	1	J	Lead	ND	0.500	0.0527	1	

Method Blank	097-01-002-5,249	N/A	Solid	03/16/04	03/17/04	040316L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Antimony	ND	0.750	0.191	1		Molybdenum	0.0280	0.250	0.0206	1	J
Arsenic	0.177	0.750	0.130	1	J	Nickel	ND	0.250	0.0346	1	
Barium	ND	0.500	0.164	1		Selenium	ND	0.750	0.175	1	
Beryllium	ND	0.250	0.0036	1		Silver	ND	0.250	0.0209	1	
Cadmium	ND	0.500	0.0098	1		Thallium	ND	0.750	0.0987	1	
Chromium (Total)	ND	0.250	0.0291	1		Vanadium	ND	0.250	0.0093	1	
Cobalt	ND	0.250	0.0085	1		Zinc	ND	1.00	0.177	1	
Copper	0.0645	0.500	0.0469	1	J	Lead	ND	0.500	0.0527	1	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB01-01	04-03-0917-1	03/15/04	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	1.7	5.0	1.6	1	J
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	50-130		2,4,5,6-Tetrachloro-m-Xylene	100	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB01-02	04-03-0917-2	03/15/04	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	109	50-130		2,4,5,6-Tetrachloro-m-Xylene	98	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 3545
Method:	EPA 8081A
Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC-3-4 SB-02-01	04-03-0917-4	03/15/04	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	105	50-130		2,4,5,6-Tetrachloro-m-Xylene	87	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB02-02	04-03-0917-5	03/15/04	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	50-130		2,4,5,6-Tetrachloro-m-Xylene	107	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB05-01	04-03-0917-7	03/15/04	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	50-130		2,4,5,6-Tetrachloro-m-Xylene	91	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB05-02	04-03-0917-8	03/15/04	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	50-130		2,4,5,6-Tetrachloro-m-Xylene	84	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 3545
Method:	EPA 8081A
Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB05-04	04-03-0917-10	03/15/04	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	50-130		2,4,5,6-Tetrachloro-m-Xylene	104	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB08-01	04-03-0917-11	03/15/04	Solid	03/18/04	03/20/04	040318L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	25	7.4	5		Endrin	ND	25	5.0	5	
Gamma-BHC	ND	25	5.7	5		Endrin Aldehyde	ND	25	4.9	5	
Beta-BHC	ND	25	6.4	5		4,4'-DDD	ND	25	6.4	5	
Heptachlor	ND	25	5.6	5		Endosulfan II	ND	25	4.4	5	
Delta-BHC	ND	25	8.0	5		4,4'-DDT	100	25	8.2	5	
Aldrin	ND	25	7.7	5		Endosulfan Sulfate	ND	25	6.6	5	
Heptachlor Epoxide	ND	25	4.6	5		Methoxychlor	ND	25	4.2	5	
Endosulfan I	ND	25	8.9	5		Chlordane	ND	250	100	5	
Dieldrin	8.8	25.0	5.7	5	J	Toxaphene	ND	500	210	5	
4,4'-DDE	45	25	7.5	5		Endrin Ketone	ND	25	7.5	5	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	120	50-130		2,4,5,6-Tetrachloro-m-Xylene	102	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB08-02	04-03-0917-12	03/15/04	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	50-130		2,4,5,6-Tetrachloro-m-Xylene	102	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB08-04	04-03-0917-14	03/15/04	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	50-130		2,4,5,6-Tetrachloro-m-Xylene	103	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 3545
Method:	EPA 8081A
Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB09-01	04-03-0917-15	03/15/04	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	50-130		2,4,5,6-Tetrachloro-m-Xylene	95	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB09-02	04-03-0917-16	03/15/04	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	50-130		2,4,5,6-Tetrachloro-m-Xylene	94	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB09-04	04-03-0917-18	03/15/04	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	50-130		2,4,5,6-Tetrachloro-m-Xylene	87	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB12-01	04-03-0917-23	03/15/04	Solid	03/18/04	03/23/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	2.5	5.0	0.98	1	J
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	37	5	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	2.2	5.0	1.1	1	J	Toxaphene	ND	100	42	1	
4,4'-DDE	29	5	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	103	50-130		2,4,5,6-Tetrachloro-m-Xylene	80	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB12-02	04-03-0917-24	03/15/04	Solid	03/18/04	03/23/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	95	50-130		2,4,5,6-Tetrachloro-m-Xylene	92	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB12-04	04-03-0917-26	03/15/04	Solid	03/18/04	03/20/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	2.1	5.0	1.6	1	J
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	7.1	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	85	50-130		2,4,5,6-Tetrachloro-m-Xylene	86	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 DP01-01	04-03-0917-27	03/15/04	Solid	03/18/04	03/20/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	87	50-130		2,4,5,6-Tetrachloro-m-Xylene	84	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 DP01-02	04-03-0917-28	03/15/04	Solid	03/18/04	03/21/04	040318L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	50-130		2,4,5,6-Tetrachloro-m-Xylene	80	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB07-01	04-03-0917-30	03/15/04	Solid	03/18/04	03/20/04	040318L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	3.9	5.0	1.3	1	J
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	150	100	1.6	20	D
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	110	50	20	1	
Dieldrin	5.6	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	510	100	1.5	20	D	Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	112	50-130		2,4,5,6-Tetrachloro-m-Xylene	77	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB07-02	04-03-0917-31	03/15/04	Solid	03/18/04	03/20/04	040318L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	50-130		2,4,5,6-Tetrachloro-m-Xylene	96	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB04-01	04-03-0917-33	03/15/04	Solid	03/18/04	03/21/04	040318L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	4.1	5.0	1.6	1	J
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	2.3	5.0	1.5	1	J	Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	109	50-130		2,4,5,6-Tetrachloro-m-Xylene	79	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB04-02	04-03-0917-34	03/15/04	Solid	03/18/04	03/20/04	040318L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	110	50-130		2,4,5,6-Tetrachloro-m-Xylene	96	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 3545
Method:	EPA 8081A
Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB13-01	04-03-0917-36	03/15/04	Solid	03/18/04	03/20/04	040318L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	2.4	5.0	1.3	1	J
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	13	5	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	83	25	1.5	5	D	Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	50-130		2,4,5,6-Tetrachloro-m-Xylene	92	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB13-02	04-03-0917-37	03/15/04	Solid	03/18/04	03/20/04	040318L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	110	50-130		2,4,5,6-Tetrachloro-m-Xylene	99	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB11-01	04-03-0917-39	03/15/04	Solid	03/18/04	03/21/04	040318L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	2.4	5.0	1.3	1	J
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	3.1	5.0	1.6	1	J
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	27	5	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	105	50-130		2,4,5,6-Tetrachloro-m-Xylene	82	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB11-02	04-03-0917-40	03/15/04	Solid	03/18/04	03/21/04	040318L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	105	50-130		2,4,5,6-Tetrachloro-m-Xylene	95	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 3545
Method:	EPA 8081A
Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB06-01	04-03-0917-42	03/15/04	Solid	03/18/04	03/20/04	040318L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	4.4	5.0	1.6	1	J
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	105	50-130		2,4,5,6-Tetrachloro-m-Xylene	81	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB06-02	04-03-0917-43	03/15/04	Solid	03/18/04	03/20/04	040318L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	50-130		2,4,5,6-Tetrachloro-m-Xylene	90	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB03-01	04-03-0917-45	03/15/04	Solid	03/18/04	03/20/04	040318L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	18	5	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	110	50-130		2,4,5,6-Tetrachloro-m-Xylene	90	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB03-02	04-03-0917-46	03/15/04	Solid	03/18/04	03/21/04	040318L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	1.8	5.0	1.1	1	J	Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	50-130		2,4,5,6-Tetrachloro-m-Xylene	88	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-07-011-353	N/A	Solid	03/18/04	03/19/04	040318L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	50-130		2,4,5,6-Tetrachloro-m-Xylene	75	50-130	

Method Blank	099-07-011-354	N/A	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		Endrin	ND	5.0	1.0	1	
Gamma-BHC	ND	5.0	1.1	1		Endrin Aldehyde	ND	5.0	0.98	1	
Beta-BHC	ND	5.0	1.3	1		4,4'-DDD	ND	5.0	1.3	1	
Heptachlor	ND	5.0	1.1	1		Endosulfan II	ND	5.0	0.88	1	
Delta-BHC	ND	5.0	1.6	1		4,4'-DDT	ND	5.0	1.6	1	
Aldrin	ND	5.0	1.5	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Methoxychlor	ND	5.0	0.84	1	
Endosulfan I	ND	5.0	1.8	1		Chlordane	ND	50	20	1	
Dieldrin	ND	5.0	1.1	1		Toxaphene	ND	100	42	1	
4,4'-DDE	ND	5.0	1.5	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	50-130		2,4,5,6-Tetrachloro-m-Xylene	91	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8081A/8082
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB10-01	04-03-0917-19	03/15/04	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		4,4'-DDT	3.2	5.0	1.6	1	J
Gamma-BHC	ND	5.0	1.1	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Beta-BHC	ND	5.0	1.3	1		Methoxychlor	ND	5.0	0.84	1	
Heptachlor	ND	5.0	1.1	1		Chlordane	ND	50	20	1	
Delta-BHC	ND	5.0	1.6	1		Toxaphene	ND	100	42	1	
Aldrin	ND	5.0	1.5	1		Aroclor-1016	ND	50	10	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Aroclor-1221	ND	50	10	1	
Endosulfan I	ND	5.0	1.8	1		Aroclor-1232	ND	50	10	1	
Dieldrin	ND	5.0	1.1	1		Aroclor-1242	ND	50	10	1	
4,4'-DDE	ND	5.0	1.5	1		Aroclor-1248	ND	50	10	1	
Endrin	ND	5.0	1.0	1		Aroclor-1254	ND	50	10	1	
Endrin Aldehyde	ND	5.0	0.98	1		Aroclor-1260	ND	50	11	1	
4,4'-DDD	ND	5.0	1.3	1		Aroclor-1262	ND	50	10	1	
Endosulfan II	ND	5.0	0.88	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	50-130		2,4,5,6-Tetrachloro-m-Xylene	91	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB10-02	04-03-0917-20	03/15/04	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		4,4'-DDT	ND	5.0	1.6	1	
Gamma-BHC	ND	5.0	1.1	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Beta-BHC	ND	5.0	1.3	1		Methoxychlor	ND	5.0	0.84	1	
Heptachlor	ND	5.0	1.1	1		Chlordane	ND	50	20	1	
Delta-BHC	ND	5.0	1.6	1		Toxaphene	ND	100	42	1	
Aldrin	ND	5.0	1.5	1		Aroclor-1016	ND	50	10	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Aroclor-1221	ND	50	10	1	
Endosulfan I	ND	5.0	1.8	1		Aroclor-1232	ND	50	10	1	
Dieldrin	ND	5.0	1.1	1		Aroclor-1242	ND	50	10	1	
4,4'-DDE	ND	5.0	1.5	1		Aroclor-1248	ND	50	10	1	
Endrin	ND	5.0	1.0	1		Aroclor-1254	ND	50	10	1	
Endrin Aldehyde	ND	5.0	0.98	1		Aroclor-1260	ND	50	11	1	
4,4'-DDD	ND	5.0	1.3	1		Aroclor-1262	ND	50	10	1	
Endosulfan II	ND	5.0	0.88	1		Endrin Ketone	1.9	5.0	1.5	1	J

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	95	50-130		2,4,5,6-Tetrachloro-m-Xylene	92	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8081A/8082
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB10-04	04-03-0917-22	03/15/04	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		4,4'-DDT	ND	5.0	1.6	1	
Gamma-BHC	ND	5.0	1.1	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Beta-BHC	ND	5.0	1.3	1		Methoxychlor	ND	5.0	0.84	1	
Heptachlor	ND	5.0	1.1	1		Chlordane	60	50	20	1	
Delta-BHC	ND	5.0	1.6	1		Toxaphene	ND	100	42	1	
Aldrin	ND	5.0	1.5	1		Aroclor-1016	ND	50	10	1	
Heptachlor Epoxide	1.0	5.0	0.92	1	J	Aroclor-1221	ND	50	10	1	
Endosulfan I	ND	5.0	1.8	1		Aroclor-1232	ND	50	10	1	
Dieldrin	ND	5.0	1.1	1		Aroclor-1242	ND	50	10	1	
4,4'-DDE	3.1	5.0	1.5	1	J	Aroclor-1248	ND	50	10	1	
Endrin	ND	5.0	1.0	1		Aroclor-1254	ND	50	10	1	
Endrin Aldehyde	ND	5.0	0.98	1		Aroclor-1260	ND	50	11	1	
4,4'-DDD	ND	5.0	1.3	1		Aroclor-1262	ND	50	10	1	
Endosulfan II	ND	5.0	0.88	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	91	50-130		2,4,5,6-Tetrachloro-m-Xylene	92	50-130	

Method Blank	095-01-014-2,563	N/A	Solid	03/18/04	03/22/04	040318L05

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Alpha-BHC	ND	5.0	1.5	1		4,4'-DDT	ND	5.0	1.6	1	
Gamma-BHC	ND	5.0	1.1	1		Endosulfan Sulfate	ND	5.0	1.3	1	
Beta-BHC	ND	5.0	1.3	1		Methoxychlor	ND	5.0	0.84	1	
Heptachlor	ND	5.0	1.1	1		Chlordane	ND	50	20	1	
Delta-BHC	ND	5.0	1.6	1		Toxaphene	ND	100	42	1	
Aldrin	ND	5.0	1.5	1		Aroclor-1016	ND	50	10	1	
Heptachlor Epoxide	ND	5.0	0.92	1		Aroclor-1221	ND	50	10	1	
Endosulfan I	ND	5.0	1.8	1		Aroclor-1232	ND	50	10	1	
Dieldrin	ND	5.0	1.1	1		Aroclor-1242	ND	50	10	1	
4,4'-DDE	ND	5.0	1.5	1		Aroclor-1248	ND	50	10	1	
Endrin	ND	5.0	1.0	1		Aroclor-1254	ND	50	10	1	
Endrin Aldehyde	ND	5.0	0.98	1		Aroclor-1260	ND	50	11	1	
4,4'-DDD	ND	5.0	1.3	1		Aroclor-1262	ND	50	10	1	
Endosulfan II	ND	5.0	0.88	1		Endrin Ketone	ND	5.0	1.5	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	50-130		2,4,5,6-Tetrachloro-m-Xylene	91	50-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB01-01	04-03-0917-1	03/15/04	Solid	03/16/04	03/16/04	040316L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	8.5	16.0	2.4	0.781	J	1,3-Dichloropropane	ND	0.78	0.17	0.781	
Benzene	2.4	0.7	0.12	0.781		2,2-Dichloropropane	ND	3.9	0.47	0.781	
Bromobenzene	ND	0.78	0.14	0.781		1,1-Dichloropropene	ND	1.6	0.38	0.781	
Bromochloromethane	ND	1.6	0.53	0.781		c-1,3-Dichloropropene	ND	0.78	0.20	0.781	
Bromodichloromethane	ND	0.78	0.26	0.781		t-1,3-Dichloropropene	ND	1.6	0.16	0.781	
Bromoform	ND	3.9	0.58	0.781		Ethylbenzene	0.42	0.78	0.22	0.781	J
Bromomethane	ND	16	1.1	0.781		2-Hexanone	ND	16	2.8	0.781	
2-Butanone	ND	16	2.9	0.781		Isopropylbenzene	ND	0.78	0.24	0.781	
n-Butylbenzene	ND	0.78	0.16	0.781		p-Isopropyltoluene	ND	0.78	0.28	0.781	
sec-Butylbenzene	ND	0.78	0.069	0.781		Methylene Chloride	ND	7.8	3.6	0.781	
tert-Butylbenzene	ND	0.78	0.11	0.781		4-Methyl-2-Pentanone	ND	16	0.73	0.781	
Carbon Disulfide	ND	7.8	0.39	0.781		Naphthalene	ND	7.8	0.66	0.781	
Carbon Tetrachloride	ND	0.78	0.34	0.781		n-Propylbenzene	ND	0.78	0.28	0.781	
Chlorobenzene	ND	0.78	0.19	0.781		Styrene	ND	0.78	0.19	0.781	
Chloroethane	ND	1.6	0.39	0.781		1,1,1,2-Tetrachloroethane	ND	0.78	0.30	0.781	
Chloroform	ND	0.78	0.29	0.781		1,1,2,2-Tetrachloroethane	ND	1.6	0.17	0.781	
Chloromethane	ND	16	1.0	0.781		Tetrachloroethene	ND	0.78	0.23	0.781	
2-Chlorotoluene	ND	0.78	0.21	0.781		Toluene	2.2	0.7	0.23	0.781	
4-Chlorotoluene	ND	0.78	0.16	0.781		1,2,3-Trichlorobenzene	ND	1.6	0.27	0.781	
Dibromochloromethane	ND	1.6	0.25	0.781		1,2,4-Trichlorobenzene	ND	1.6	0.31	0.781	
1,2-Dibromo-3-Chloropropane	ND	3.9	1.4	0.781		1,1,1-Trichloroethane	ND	0.78	0.29	0.781	
1,2-Dibromoethane	ND	0.78	0.33	0.781		1,1,2-Trichloroethane	ND	0.78	0.41	0.781	
Dibromomethane	ND	0.78	0.33	0.781		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.8	0.30	0.781	
1,2-Dichlorobenzene	ND	0.78	0.20	0.781		Trichloroethene	ND	1.6	0.25	0.781	
1,3-Dichlorobenzene	ND	0.78	0.16	0.781		Trichlorofluoromethane	ND	7.8	0.23	0.781	
1,4-Dichlorobenzene	ND	0.78	0.31	0.781		1,2,3-Trichloropropane	ND	1.6	0.65	0.781	
Dichlorodifluoromethane	ND	1.6	0.48	0.781		1,2,4-Trimethylbenzene	ND	1.6	0.27	0.781	
1,1-Dichloroethane	ND	0.78	0.35	0.781		1,3,5-Trimethylbenzene	ND	1.6	0.22	0.781	
1,2-Dichloroethane	ND	0.78	0.18	0.781		Vinyl Acetate	ND	7.8	2.0	0.781	
1,1-Dichloroethene	ND	0.78	0.14	0.781		Vinyl Chloride	ND	0.78	0.36	0.781	
c-1,2-Dichloroethene	ND	0.78	0.27	0.781		p/m-Xylene	0.57	1.6	0.45	0.781	J
t-1,2-Dichloroethene	ND	0.78	0.36	0.781		o-Xylene	0.48	0.78	0.18	0.781	J,B
1,2-Dichloropropane	ND	0.78	0.21	0.781		Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.19	0.781	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	65-157		Toluene-d8	99	51-144	
1,4-Bromofluorobenzene	97	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB01-02	04-03-0917-2	03/15/04	Solid	03/16/04	03/16/04	040316L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	5.7	17.0	2.6	0.85	J
Benzene	0.53	0.85	0.13	0.85	J
Bromobenzene	ND	0.85	0.15	0.85	
Bromochloromethane	ND	1.7	0.58	0.85	
Bromodichloromethane	ND	0.85	0.29	0.85	
Bromoform	ND	4.3	0.63	0.85	
Bromomethane	ND	17	1.2	0.85	
2-Butanone	ND	17	3.2	0.85	
n-Butylbenzene	ND	0.85	0.17	0.85	
sec-Butylbenzene	ND	0.85	0.076	0.85	
tert-Butylbenzene	ND	0.85	0.12	0.85	
Carbon Disulfide	ND	8.5	0.43	0.85	
Carbon Tetrachloride	ND	0.85	0.37	0.85	
Chlorobenzene	ND	0.85	0.20	0.85	
Chloroethane	ND	1.7	0.43	0.85	
Chloroform	ND	0.85	0.32	0.85	
Chloromethane	ND	17	1.1	0.85	
2-Chlorotoluene	ND	0.85	0.22	0.85	
4-Chlorotoluene	ND	0.85	0.17	0.85	
Dibromochloromethane	ND	1.7	0.28	0.85	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.5	0.85	
1,2-Dibromoethane	ND	0.85	0.36	0.85	
Dibromomethane	ND	0.85	0.36	0.85	
1,2-Dichlorobenzene	ND	0.85	0.22	0.85	
1,3-Dichlorobenzene	ND	0.85	0.17	0.85	
1,4-Dichlorobenzene	ND	0.85	0.34	0.85	
Dichlorodifluoromethane	ND	1.7	0.52	0.85	
1,1-Dichloroethane	ND	0.85	0.39	0.85	
1,2-Dichloroethane	ND	0.85	0.20	0.85	
1,1-Dichloroethene	ND	0.85	0.16	0.85	
c-1,2-Dichloroethene	ND	0.85	0.29	0.85	
t-1,2-Dichloroethene	ND	0.85	0.39	0.85	
1,2-Dichloropropane	ND	0.85	0.23	0.85	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	65-157	
1,4-Bromofluorobenzene	100	49-141	

Parameter	Result	RL	MDL	DF	Qual
1,3-Dichloropropane	ND	0.85	0.19	0.85	
2,2-Dichloropropane	ND	4.3	0.51	0.85	
1,1-Dichloropropene	ND	1.7	0.41	0.85	
c-1,3-Dichloropropene	ND	0.85	0.21	0.85	
t-1,3-Dichloropropene	ND	1.7	0.18	0.85	
Ethylbenzene	ND	0.85	0.24	0.85	
2-Hexanone	ND	17	3.0	0.85	
Isopropylbenzene	ND	0.85	0.26	0.85	
p-Isopropyltoluene	ND	0.85	0.31	0.85	
Methylene Chloride	ND	8.5	3.9	0.85	
4-Methyl-2-Pentanone	ND	17	0.80	0.85	
Naphthalene	ND	8.5	0.72	0.85	
n-Propylbenzene	ND	0.85	0.31	0.85	
Styrene	ND	0.85	0.21	0.85	
1,1,1,2-Tetrachloroethane	ND	0.85	0.32	0.85	
1,1,2,2-Tetrachloroethane	ND	1.7	0.19	0.85	
Tetrachloroethene	ND	0.85	0.26	0.85	
Toluene	0.54	0.85	0.25	0.85	J
1,2,3-Trichlorobenzene	ND	1.7	0.30	0.85	
1,2,4-Trichlorobenzene	ND	1.7	0.33	0.85	
1,1,1-Trichloroethane	ND	0.85	0.31	0.85	
1,1,2-Trichloroethane	ND	0.85	0.45	0.85	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.5	0.33	0.85	
Trichloroethene	ND	1.7	0.27	0.85	
Trichlorofluoromethane	ND	8.5	0.25	0.85	
1,2,3-Trichloropropane	ND	1.7	0.71	0.85	
1,2,4-Trimethylbenzene	ND	1.7	0.30	0.85	
1,3,5-Trimethylbenzene	ND	1.7	0.24	0.85	
Vinyl Acetate	ND	8.5	2.2	0.85	
Vinyl Chloride	ND	0.85	0.39	0.85	
p/m-Xylene	ND	1.7	0.49	0.85	
o-Xylene	0.37	0.85	0.20	0.85	J,B
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.21	0.85	

Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	98	51-144	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 5035
Method:	EPA 8260B
Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC-3-4 SB-02-01	04-03-0917-4	03/15/04	Solid	03/16/04	03/18/04	040318L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	15	18	2.8	0.917	J
Benzene	6.3	0.9	0.14	0.917	
Bromobenzene	ND	0.92	0.17	0.917	
Bromochloromethane	ND	1.8	0.63	0.917	
Bromodichloromethane	ND	0.92	0.31	0.917	
Bromoform	ND	4.6	0.68	0.917	
Bromomethane	ND	18	1.3	0.917	
2-Butanone	ND	18	3.5	0.917	
n-Butylbenzene	ND	0.92	0.18	0.917	
sec-Butylbenzene	ND	0.92	0.082	0.917	
tert-Butylbenzene	ND	0.92	0.13	0.917	
Carbon Disulfide	2.6	9.2	0.46	0.917	J
Carbon Tetrachloride	ND	0.92	0.40	0.917	
Chlorobenzene	ND	0.92	0.22	0.917	
Chloroethane	ND	1.8	0.46	0.917	
Chloroform	ND	0.92	0.34	0.917	
Chloromethane	ND	18	1.2	0.917	
2-Chlorotoluene	ND	0.92	0.24	0.917	
4-Chlorotoluene	ND	0.92	0.19	0.917	
Dibromochloromethane	ND	1.8	0.30	0.917	
1,2-Dibromo-3-Chloropropane	ND	4.6	1.6	0.917	
1,2-Dibromoethane	ND	0.92	0.38	0.917	
Dibromomethane	ND	0.92	0.39	0.917	
1,2-Dichlorobenzene	ND	0.92	0.23	0.917	
1,3-Dichlorobenzene	ND	0.92	0.18	0.917	
1,4-Dichlorobenzene	ND	0.92	0.36	0.917	
Dichlorodifluoromethane	ND	1.8	0.56	0.917	
1,1-Dichloroethane	ND	0.92	0.42	0.917	
1,2-Dichloroethane	ND	0.92	0.21	0.917	
1,1-Dichloroethene	ND	0.92	0.17	0.917	
c-1,2-Dichloroethene	ND	0.92	0.32	0.917	
t-1,2-Dichloroethene	ND	0.92	0.42	0.917	
1,2-Dichloropropane	ND	0.92	0.25	0.917	

Parameter	Result	RL	MDL	DF	Qual
1,3-Dichloropropane	ND	0.92	0.20	0.917	
2,2-Dichloropropane	ND	4.6	0.55	0.917	
1,1-Dichloropropene	ND	1.8	0.45	0.917	
c-1,3-Dichloropropene	ND	0.92	0.23	0.917	
t-1,3-Dichloropropene	ND	1.8	0.19	0.917	
Ethylbenzene	0.85	0.92	0.26	0.917	J
2-Hexanone	ND	18	3.2	0.917	
Isopropylbenzene	ND	0.92	0.28	0.917	
p-Isopropyltoluene	ND	0.92	0.33	0.917	
Methylene Chloride	ND	9.2	4.2	0.917	
4-Methyl-2-Pentanone	ND	18	0.86	0.917	
Naphthalene	ND	9.2	0.78	0.917	
n-Propylbenzene	ND	0.92	0.33	0.917	
Styrene	ND	0.92	0.22	0.917	
1,1,1,2-Tetrachloroethane	ND	0.92	0.35	0.917	
1,1,2,2-Tetrachloroethane	ND	1.8	0.20	0.917	
Tetrachloroethene	ND	0.92	0.28	0.917	
Toluene	5.4	0.9	0.27	0.917	
1,2,3-Trichlorobenzene	ND	1.8	0.32	0.917	
1,2,4-Trichlorobenzene	ND	1.8	0.36	0.917	
1,1,1-Trichloroethane	ND	0.92	0.34	0.917	
1,1,2-Trichloroethane	ND	0.92	0.48	0.917	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.2	0.36	0.917	
Trichloroethene	ND	1.8	0.29	0.917	
Trichlorofluoromethane	ND	9.2	0.27	0.917	
1,2,3-Trichloropropane	ND	1.8	0.77	0.917	
1,2,4-Trimethylbenzene	ND	1.8	0.32	0.917	
1,3,5-Trimethylbenzene	ND	1.8	0.26	0.917	
Vinyl Acetate	ND	9.2	2.4	0.917	
Vinyl Chloride	ND	0.92	0.42	0.917	
p/m-Xylene	1.2	1.8	0.53	0.917	J
o-Xylene	0.77	0.92	0.21	0.917	J,B
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.22	0.917	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	65-157	
1,4-Bromofluorobenzene	100	49-141	
Toluene-d8	100	51-144	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB02-02	04-03-0917-5	03/15/04	Solid	03/16/04	03/18/04	040318L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	6.1	18.0	2.8	0.901	J	1,3-Dichloropropane	ND	0.90	0.20	0.901	
Benzene	0.74	0.90	0.14	0.901	J	2,2-Dichloropropane	ND	4.5	0.54	0.901	
Bromobenzene	ND	0.90	0.16	0.901		1,1-Dichloropropene	ND	1.8	0.44	0.901	
Bromochloromethane	ND	1.8	0.62	0.901		c-1,3-Dichloropropene	ND	0.90	0.23	0.901	
Bromodichloromethane	ND	0.90	0.30	0.901		t-1,3-Dichloropropene	ND	1.8	0.19	0.901	
Bromoform	ND	4.5	0.66	0.901		Ethylbenzene	ND	0.90	0.26	0.901	
Bromomethane	ND	18	1.3	0.901		2-Hexanone	ND	18	3.2	0.901	
2-Butanone	ND	18	3.4	0.901		Isopropylbenzene	ND	0.90	0.28	0.901	
n-Butylbenzene	ND	0.90	0.18	0.901		p-Isopropyltoluene	ND	0.90	0.33	0.901	
sec-Butylbenzene	ND	0.90	0.080	0.901		Methylene Chloride	ND	9.0	4.2	0.901	
tert-Butylbenzene	ND	0.90	0.13	0.901		4-Methyl-2-Pentanone	ND	18	0.84	0.901	
Carbon Disulfide	ND	9.0	0.45	0.901		Naphthalene	ND	9.0	0.77	0.901	
Carbon Tetrachloride	ND	0.90	0.39	0.901		n-Propylbenzene	ND	0.90	0.33	0.901	
Chlorobenzene	ND	0.90	0.22	0.901		Styrene	ND	0.90	0.22	0.901	
Chloroethane	ND	1.8	0.45	0.901		1,1,1,2-Tetrachloroethane	ND	0.90	0.34	0.901	
Chloroform	ND	0.90	0.34	0.901		1,1,2,2-Tetrachloroethane	ND	1.8	0.20	0.901	
Chloromethane	ND	18	1.2	0.901		Tetrachloroethene	ND	0.90	0.27	0.901	
2-Chlorotoluene	ND	0.90	0.24	0.901		Toluene	0.43	0.90	0.27	0.901	J
4-Chlorotoluene	ND	0.90	0.18	0.901		1,2,3-Trichlorobenzene	ND	1.8	0.32	0.901	
Dibromochloromethane	ND	1.8	0.29	0.901		1,2,4-Trichlorobenzene	ND	1.8	0.35	0.901	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	0.901		1,1,1-Trichloroethane	ND	0.90	0.33	0.901	
1,2-Dibromoethane	ND	0.90	0.38	0.901		1,1,2-Trichloroethane	ND	0.90	0.47	0.901	
Dibromomethane	ND	0.90	0.39	0.901		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.0	0.35	0.901	
1,2-Dichlorobenzene	ND	0.90	0.23	0.901		Trichloroethene	ND	1.8	0.29	0.901	
1,3-Dichlorobenzene	ND	0.90	0.18	0.901		Trichlorofluoromethane	ND	9.0	0.27	0.901	
1,4-Dichlorobenzene	ND	0.90	0.36	0.901		1,2,3-Trichloropropane	ND	1.8	0.75	0.901	
Dichlorodifluoromethane	ND	1.8	0.55	0.901		1,2,4-Trimethylbenzene	ND	1.8	0.31	0.901	
1,1-Dichloroethane	ND	0.90	0.41	0.901		1,3,5-Trimethylbenzene	ND	1.8	0.25	0.901	
1,2-Dichloroethane	ND	0.90	0.21	0.901		Vinyl Acetate	ND	9.0	2.3	0.901	
1,1-Dichloroethene	ND	0.90	0.17	0.901		Vinyl Chloride	ND	0.90	0.42	0.901	
c-1,2-Dichloroethene	ND	0.90	0.31	0.901		p/m-Xylene	ND	1.8	0.52	0.901	
t-1,2-Dichloroethene	ND	0.90	0.41	0.901		o-Xylene	0.43	0.90	0.21	0.901	J,B
1,2-Dichloropropane	ND	0.90	0.24	0.901		Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.22	0.901	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	65-157		Toluene-d8	100	51-144	
1,4-Bromofluorobenzene	101	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB05-01	04-03-0917-7	03/15/04	Solid	03/16/04	03/18/04	040318L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	4.6	17.0	2.6	0.856	J	1,3-Dichloropropane	ND	0.86	0.19	0.856	
Benzene	0.51	0.86	0.14	0.856	J	2,2-Dichloropropane	ND	4.3	0.51	0.856	
Bromobenzene	ND	0.86	0.16	0.856		1,1-Dichloropropene	ND	1.7	0.42	0.856	
Bromochloromethane	ND	1.7	0.59	0.856		c-1,3-Dichloropropene	ND	0.86	0.22	0.856	
Bromodichloromethane	ND	0.86	0.29	0.856		t-1,3-Dichloropropene	ND	1.7	0.18	0.856	
Bromoform	ND	4.3	0.63	0.856		Ethylbenzene	ND	0.86	0.25	0.856	
Bromomethane	ND	17	1.2	0.856		2-Hexanone	ND	17	3.0	0.856	
2-Butanone	ND	17	3.2	0.856		Isopropylbenzene	ND	0.86	0.26	0.856	
n-Butylbenzene	ND	0.86	0.17	0.856		p-Isopropyltoluene	ND	0.86	0.31	0.856	
sec-Butylbenzene	ND	0.86	0.076	0.856		Methylene Chloride	ND	8.6	4.0	0.856	
tert-Butylbenzene	ND	0.86	0.12	0.856		4-Methyl-2-Pentanone	ND	17	0.80	0.856	
Carbon Disulfide	ND	8.6	0.43	0.856		Naphthalene	ND	8.6	0.73	0.856	
Carbon Tetrachloride	ND	0.86	0.37	0.856		n-Propylbenzene	ND	0.86	0.31	0.856	
Chlorobenzene	ND	0.86	0.21	0.856		Styrene	ND	0.86	0.21	0.856	
Chloroethane	ND	1.7	0.43	0.856		1,1,1,2-Tetrachloroethane	ND	0.86	0.33	0.856	
Chloroform	ND	0.86	0.32	0.856		1,1,2,2-Tetrachloroethane	ND	1.7	0.19	0.856	
Chloromethane	ND	17	1.1	0.856		Tetrachloroethene	ND	0.86	0.26	0.856	
2-Chlorotoluene	ND	0.86	0.23	0.856		Toluene	0.46	0.86	0.25	0.856	J
4-Chlorotoluene	ND	0.86	0.17	0.856		1,2,3-Trichlorobenzene	ND	1.7	0.30	0.856	
Dibromochloromethane	ND	1.7	0.28	0.856		1,2,4-Trichlorobenzene	ND	1.7	0.34	0.856	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.5	0.856		1,1,1-Trichloroethane	ND	0.86	0.32	0.856	
1,2-Dibromoethane	ND	0.86	0.36	0.856		1,1,2-Trichloroethane	ND	0.86	0.45	0.856	
Dibromomethane	ND	0.86	0.37	0.856		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.6	0.33	0.856	
1,2-Dichlorobenzene	ND	0.86	0.22	0.856		Trichloroethene	ND	1.7	0.27	0.856	
1,3-Dichlorobenzene	ND	0.86	0.17	0.856		Trichlorofluoromethane	ND	8.6	0.25	0.856	
1,4-Dichlorobenzene	ND	0.86	0.34	0.856		1,2,3-Trichloropropane	ND	1.7	0.72	0.856	
Dichlorodifluoromethane	ND	1.7	0.53	0.856		1,2,4-Trimethylbenzene	ND	1.7	0.30	0.856	
1,1-Dichloroethane	ND	0.86	0.39	0.856		1,3,5-Trimethylbenzene	ND	1.7	0.24	0.856	
1,2-Dichloroethane	ND	0.86	0.20	0.856		Vinyl Acetate	ND	8.6	2.2	0.856	
1,1-Dichloroethene	ND	0.86	0.16	0.856		Vinyl Chloride	ND	0.86	0.39	0.856	
c-1,2-Dichloroethene	ND	0.86	0.29	0.856		p/m-Xylene	ND	1.7	0.49	0.856	
t-1,2-Dichloroethene	ND	0.86	0.39	0.856		o-Xylene	0.33	0.86	0.20	0.856	J,B
1,2-Dichloropropane	ND	0.86	0.23	0.856		Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.21	0.856	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	65-157		Toluene-d8	100	51-144	
1,4-Bromofluorobenzene	100	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 5035
Method:	EPA 8260B
Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB05-02	04-03-0917-8	03/15/04	Solid	03/16/04	03/18/04	040318L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	5.3	16.0	2.5	0.814	J	1,3-Dichloropropane	ND	0.81	0.18	0.814	
Benzene	1.9	0.8	0.13	0.814		2,2-Dichloropropane	ND	4.1	0.49	0.814	
Bromobenzene	ND	0.81	0.15	0.814		1,1-Dichloropropene	ND	1.6	0.40	0.814	
Bromochloromethane	ND	1.6	0.56	0.814		c-1,3-Dichloropropene	ND	0.81	0.20	0.814	
Bromodichloromethane	ND	0.81	0.28	0.814		t-1,3-Dichloropropene	ND	1.6	0.17	0.814	
Bromoform	ND	4.1	0.60	0.814		Ethylbenzene	0.32	0.81	0.23	0.814	J
Bromomethane	ND	16	1.2	0.814		2-Hexanone	ND	16	2.9	0.814	
2-Butanone	ND	16	3.1	0.814		Isopropylbenzene	ND	0.81	0.25	0.814	
n-Butylbenzene	ND	0.81	0.16	0.814		p-Isopropyltoluene	ND	0.81	0.30	0.814	
sec-Butylbenzene	ND	0.81	0.072	0.814		Methylene Chloride	ND	8.1	3.8	0.814	
tert-Butylbenzene	ND	0.81	0.12	0.814		4-Methyl-2-Pentanone	ND	16	0.76	0.814	
Carbon Disulfide	ND	8.1	0.41	0.814		Naphthalene	ND	8.1	0.69	0.814	
Carbon Tetrachloride	ND	0.81	0.36	0.814		n-Propylbenzene	ND	0.81	0.29	0.814	
Chlorobenzene	ND	0.81	0.20	0.814		Styrene	ND	0.81	0.20	0.814	
Chloroethane	ND	1.6	0.41	0.814		1,1,1,2-Tetrachloroethane	ND	0.81	0.31	0.814	
Chloroform	ND	0.81	0.31	0.814		1,1,2,2-Tetrachloroethane	ND	1.6	0.18	0.814	
Chloromethane	ND	16	1.1	0.814		Tetrachloroethene	ND	0.81	0.24	0.814	
2-Chlorotoluene	ND	0.81	0.21	0.814		Toluene	1.8	0.8	0.24	0.814	
4-Chlorotoluene	ND	0.81	0.17	0.814		1,2,3-Trichlorobenzene	ND	1.6	0.29	0.814	
Dibromochloromethane	ND	1.6	0.27	0.814		1,2,4-Trichlorobenzene	ND	1.6	0.32	0.814	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.814		1,1,1-Trichloroethane	ND	0.81	0.30	0.814	
1,2-Dibromoethane	ND	0.81	0.34	0.814		1,1,2-Trichloroethane	ND	0.81	0.43	0.814	
Dibromomethane	ND	0.81	0.35	0.814		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.1	0.32	0.814	
1,2-Dichlorobenzene	ND	0.81	0.21	0.814		Trichloroethene	ND	1.6	0.26	0.814	
1,3-Dichlorobenzene	ND	0.81	0.16	0.814		Trichlorofluoromethane	ND	8.1	0.24	0.814	
1,4-Dichlorobenzene	ND	0.81	0.32	0.814		1,2,3-Trichloropropane	ND	1.6	0.68	0.814	
Dichlorodifluoromethane	ND	1.6	0.50	0.814		1,2,4-Trimethylbenzene	ND	1.6	0.28	0.814	
1,1-Dichloroethane	ND	0.81	0.37	0.814		1,3,5-Trimethylbenzene	ND	1.6	0.23	0.814	
1,2-Dichloroethane	ND	0.81	0.19	0.814		Vinyl Acetate	ND	8.1	2.1	0.814	
1,1-Dichloroethene	ND	0.81	0.15	0.814		Vinyl Chloride	ND	0.81	0.38	0.814	
c-1,2-Dichloroethene	ND	0.81	0.28	0.814		p/m-Xylene	0.47	1.6	0.47	0.814	J
t-1,2-Dichloroethene	ND	0.81	0.37	0.814		o-Xylene	0.40	0.81	0.19	0.814	J,B
1,2-Dichloropropane	ND	0.81	0.22	0.814		Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.20	0.814	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	65-157		Toluene-d8	100	51-144	
1,4-Bromofluorobenzene	100	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 5035
Method:	EPA 8260B
Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB05-04	04-03-0917-10	03/15/04	Solid	03/16/04	03/18/04	040318L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	3.8	17.0	2.7	0.871	J	1,3-Dichloropropane	ND	0.87	0.19	0.871	
Benzene	0.36	0.87	0.14	0.871	J	2,2-Dichloropropane	ND	4.4	0.52	0.871	
Bromobenzene	ND	0.87	0.16	0.871		1,1-Dichloropropene	ND	1.7	0.42	0.871	
Bromochloromethane	ND	1.7	0.60	0.871		c-1,3-Dichloropropene	ND	0.87	0.22	0.871	
Bromodichloromethane	ND	0.87	0.29	0.871		t-1,3-Dichloropropene	ND	1.7	0.18	0.871	
Bromoform	ND	4.4	0.64	0.871		Ethylbenzene	ND	0.87	0.25	0.871	
Bromomethane	ND	17	1.3	0.871		2-Hexanone	ND	17	3.1	0.871	
2-Butanone	ND	17	3.3	0.871		Isopropylbenzene	ND	0.87	0.27	0.871	
n-Butylbenzene	ND	0.87	0.18	0.871		p-Isopropyltoluene	ND	0.87	0.32	0.871	
sec-Butylbenzene	ND	0.87	0.077	0.871		Methylene Chloride	ND	8.7	4.0	0.871	
tert-Butylbenzene	ND	0.87	0.12	0.871		4-Methyl-2-Pentanone	ND	17	0.82	0.871	
Carbon Disulfide	ND	8.7	0.44	0.871		Naphthalene	ND	8.7	0.74	0.871	
Carbon Tetrachloride	ND	0.87	0.38	0.871		n-Propylbenzene	ND	0.87	0.31	0.871	
Chlorobenzene	ND	0.87	0.21	0.871		Styrene	ND	0.87	0.21	0.871	
Chloroethane	ND	1.7	0.44	0.871		1,1,1,2-Tetrachloroethane	ND	0.87	0.33	0.871	
Chloroform	ND	0.87	0.33	0.871		1,1,2,2-Tetrachloroethane	ND	1.7	0.19	0.871	
Chloromethane	ND	17	1.1	0.871		Tetrachloroethene	ND	0.87	0.26	0.871	
2-Chlorotoluene	ND	0.87	0.23	0.871		Toluene	0.51	0.87	0.26	0.871	J
4-Chlorotoluene	ND	0.87	0.18	0.871		1,2,3-Trichlorobenzene	ND	1.7	0.31	0.871	
Dibromochloromethane	ND	1.7	0.28	0.871		1,2,4-Trichlorobenzene	ND	1.7	0.34	0.871	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.871		1,1,1-Trichloroethane	ND	0.87	0.32	0.871	
1,2-Dibromoethane	ND	0.87	0.36	0.871		1,1,2-Trichloroethane	ND	0.87	0.46	0.871	
Dibromomethane	ND	0.87	0.37	0.871		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.7	0.34	0.871	
1,2-Dichlorobenzene	ND	0.87	0.22	0.871		Trichloroethene	ND	1.7	0.28	0.871	
1,3-Dichlorobenzene	ND	0.87	0.17	0.871		Trichlorofluoromethane	ND	8.7	0.26	0.871	
1,4-Dichlorobenzene	ND	0.87	0.34	0.871		1,2,3-Trichloropropane	ND	1.7	0.73	0.871	
Dichlorodifluoromethane	ND	1.7	0.54	0.871		1,2,4-Trimethylbenzene	ND	1.7	0.30	0.871	
1,1-Dichloroethane	ND	0.87	0.40	0.871		1,3,5-Trimethylbenzene	ND	1.7	0.25	0.871	
1,2-Dichloroethane	ND	0.87	0.20	0.871		Vinyl Acetate	ND	8.7	2.2	0.871	
1,1-Dichloroethene	ND	0.87	0.16	0.871		Vinyl Chloride	ND	0.87	0.40	0.871	
c-1,2-Dichloroethene	ND	0.87	0.30	0.871		p/m-Xylene	ND	1.7	0.50	0.871	
t-1,2-Dichloroethene	ND	0.87	0.40	0.871		o-Xylene	0.35	0.87	0.20	0.871	J,B
1,2-Dichloropropane	ND	0.87	0.23	0.871		Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.21	0.871	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	65-157		Toluene-d8	100	51-144	
1,4-Bromofluorobenzene	100	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB08-01	04-03-0917-11	03/15/04	Solid	03/16/04	03/16/04	040316L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	4.7	18.0	2.8	0.912	J
Benzene	1.4	0.9	0.14	0.912	
Bromobenzene	ND	0.91	0.17	0.912	
Bromochloromethane	ND	1.8	0.62	0.912	
Bromodichloromethane	ND	0.91	0.31	0.912	
Bromoform	ND	4.6	0.67	0.912	
Bromomethane	ND	18	1.3	0.912	
2-Butanone	ND	18	3.4	0.912	
n-Butylbenzene	ND	0.91	0.18	0.912	
sec-Butylbenzene	ND	0.91	0.081	0.912	
tert-Butylbenzene	ND	0.91	0.13	0.912	
Carbon Disulfide	ND	9.1	0.46	0.912	
Carbon Tetrachloride	ND	0.91	0.40	0.912	
Chlorobenzene	ND	0.91	0.22	0.912	
Chloroethane	ND	1.8	0.46	0.912	
Chloroform	ND	0.91	0.34	0.912	
Chloromethane	ND	18	1.2	0.912	
2-Chlorotoluene	ND	0.91	0.24	0.912	
4-Chlorotoluene	ND	0.91	0.19	0.912	
Dibromochloromethane	ND	1.8	0.30	0.912	
1,2-Dibromo-3-Chloropropane	ND	4.6	1.6	0.912	
1,2-Dibromoethane	ND	0.91	0.38	0.912	
Dibromomethane	ND	0.91	0.39	0.912	
1,2-Dichlorobenzene	ND	0.91	0.23	0.912	
1,3-Dichlorobenzene	ND	0.91	0.18	0.912	
1,4-Dichlorobenzene	ND	0.91	0.36	0.912	
Dichlorodifluoromethane	ND	1.8	0.56	0.912	
1,1-Dichloroethane	ND	0.91	0.41	0.912	
1,2-Dichloroethane	ND	0.91	0.21	0.912	
1,1-Dichloroethene	ND	0.91	0.17	0.912	
c-1,2-Dichloroethene	ND	0.91	0.31	0.912	
t-1,2-Dichloroethene	ND	0.91	0.41	0.912	
1,2-Dichloropropane	ND	0.91	0.25	0.912	

Parameter	Result	RL	MDL	DF	Qual
1,3-Dichloropropane	ND	0.91	0.20	0.912	
2,2-Dichloropropane	ND	4.6	0.55	0.912	
1,1-Dichloropropene	ND	1.8	0.44	0.912	
c-1,3-Dichloropropene	ND	0.91	0.23	0.912	
t-1,3-Dichloropropene	ND	1.8	0.19	0.912	
Ethylbenzene	ND	0.91	0.26	0.912	
2-Hexanone	ND	18	3.2	0.912	
Isopropylbenzene	ND	0.91	0.28	0.912	
p-Isopropyltoluene	ND	0.91	0.33	0.912	
Methylene Chloride	ND	9.1	4.2	0.912	
4-Methyl-2-Pentanone	ND	18	0.85	0.912	
Naphthalene	ND	9.1	0.78	0.912	
n-Propylbenzene	ND	0.91	0.33	0.912	
Styrene	ND	0.91	0.22	0.912	
1,1,1,2-Tetrachloroethane	ND	0.91	0.35	0.912	
1,1,2,2-Tetrachloroethane	ND	1.8	0.20	0.912	
Tetrachloroethene	ND	0.91	0.27	0.912	
Toluene	0.96	0.91	0.27	0.912	
1,2,3-Trichlorobenzene	ND	1.8	0.32	0.912	
1,2,4-Trichlorobenzene	ND	1.8	0.36	0.912	
1,1,1-Trichloroethane	ND	0.91	0.34	0.912	
1,1,2-Trichloroethane	ND	0.91	0.48	0.912	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.1	0.35	0.912	
Trichloroethene	ND	1.8	0.29	0.912	
Trichlorofluoromethane	ND	9.1	0.27	0.912	
1,2,3-Trichloropropane	ND	1.8	0.76	0.912	
1,2,4-Trimethylbenzene	ND	1.8	0.32	0.912	
1,3,5-Trimethylbenzene	ND	1.8	0.26	0.912	
Vinyl Acetate	ND	9.1	2.3	0.912	
Vinyl Chloride	ND	0.91	0.42	0.912	
p/m-Xylene	ND	1.8	0.52	0.912	
o-Xylene	0.41	0.91	0.21	0.912	J,B
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.22	0.912	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	65-157	
1,4-Bromofluorobenzene	98	49-141	
Toluene-d8	98	51-144	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB08-02	04-03-0917-12	03/15/04	Solid	03/16/04	03/18/04	040318L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	6.0	19.0	2.9	0.952	J
Benzene	1.0	0.9	0.15	0.952	
Bromobenzene	ND	0.95	0.17	0.952	
Bromochloromethane	ND	1.9	0.65	0.952	
Bromodichloromethane	ND	0.95	0.32	0.952	
Bromoform	ND	4.8	0.70	0.952	
Bromomethane	ND	19	1.4	0.952	
2-Butanone	ND	19	3.6	0.952	
n-Butylbenzene	ND	0.95	0.19	0.952	
sec-Butylbenzene	ND	0.95	0.085	0.952	
tert-Butylbenzene	ND	0.95	0.13	0.952	
Carbon Disulfide	ND	9.5	0.48	0.952	
Carbon Tetrachloride	ND	0.95	0.42	0.952	
Chlorobenzene	ND	0.95	0.23	0.952	
Chloroethane	ND	1.9	0.48	0.952	
Chloroform	ND	0.95	0.36	0.952	
Chloromethane	ND	19	1.3	0.952	
2-Chlorotoluene	ND	0.95	0.25	0.952	
4-Chlorotoluene	ND	0.95	0.19	0.952	
Dibromochloromethane	ND	1.9	0.31	0.952	
1,2-Dibromo-3-Chloropropane	ND	4.8	1.7	0.952	
1,2-Dibromoethane	ND	0.95	0.40	0.952	
Dibromomethane	ND	0.95	0.41	0.952	
1,2-Dichlorobenzene	ND	0.95	0.24	0.952	
1,3-Dichlorobenzene	ND	0.95	0.19	0.952	
1,4-Dichlorobenzene	ND	0.95	0.38	0.952	
Dichlorodifluoromethane	ND	1.9	0.59	0.952	
1,1-Dichloroethane	ND	0.95	0.43	0.952	
1,2-Dichloroethane	ND	0.95	0.22	0.952	
1,1-Dichloroethene	ND	0.95	0.18	0.952	
c-1,2-Dichloroethene	ND	0.95	0.33	0.952	
t-1,2-Dichloroethene	ND	0.95	0.43	0.952	
1,2-Dichloropropane	ND	0.95	0.26	0.952	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	65-157	
1,4-Bromofluorobenzene	100	49-141	

Parameter	Result	RL	MDL	DF	Qual
1,3-Dichloropropane	ND	0.95	0.21	0.952	
2,2-Dichloropropane	ND	4.8	0.57	0.952	
1,1-Dichloropropene	ND	1.9	0.46	0.952	
c-1,3-Dichloropropene	ND	0.95	0.24	0.952	
t-1,3-Dichloropropene	ND	1.9	0.20	0.952	
Ethylbenzene	ND	0.95	0.27	0.952	
2-Hexanone	ND	19	3.4	0.952	
Isopropylbenzene	ND	0.95	0.29	0.952	
p-Isopropyltoluene	ND	0.95	0.35	0.952	
Methylene Chloride	ND	9.5	4.4	0.952	
4-Methyl-2-Pentanone	ND	19	0.89	0.952	
Naphthalene	ND	9.5	0.81	0.952	
n-Propylbenzene	ND	0.95	0.34	0.952	
Styrene	ND	0.95	0.23	0.952	
1,1,1,2-Tetrachloroethane	ND	0.95	0.36	0.952	
1,1,2,2-Tetrachloroethane	ND	1.9	0.21	0.952	
Tetrachloroethene	ND	0.95	0.29	0.952	
Toluene	1.0	0.9	0.28	0.952	
1,2,3-Trichlorobenzene	ND	1.9	0.33	0.952	
1,2,4-Trichlorobenzene	ND	1.9	0.37	0.952	
1,1,1-Trichloroethane	ND	0.95	0.35	0.952	
1,1,2-Trichloroethane	ND	0.95	0.50	0.952	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.5	0.37	0.952	
Trichloroethene	ND	1.9	0.31	0.952	
Trichlorofluoromethane	ND	9.5	0.28	0.952	
1,2,3-Trichloropropane	ND	1.9	0.80	0.952	
1,2,4-Trimethylbenzene	ND	1.9	0.33	0.952	
1,3,5-Trimethylbenzene	ND	1.9	0.27	0.952	
Vinyl Acetate	ND	9.5	2.4	0.952	
Vinyl Chloride	ND	0.95	0.44	0.952	
p/m-Xylene	ND	1.9	0.55	0.952	
o-Xylene	0.41	0.95	0.22	0.952	J,B
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.23	0.952	

Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	100	51-144	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB08-04	04-03-0917-14	03/15/04	Solid	03/16/04	03/18/04	040318L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	4.3	18.0	2.8	0.896	J
Benzene	0.57	0.90	0.14	0.896	J
Bromobenzene	ND	0.90	0.16	0.896	
Bromochloromethane	ND	1.8	0.61	0.896	
Bromodichloromethane	ND	0.90	0.30	0.896	
Bromoform	ND	4.5	0.66	0.896	
Bromomethane	ND	18	1.3	0.896	
2-Butanone	ND	18	3.4	0.896	
n-Butylbenzene	ND	0.90	0.18	0.896	
sec-Butylbenzene	ND	0.90	0.080	0.896	
tert-Butylbenzene	ND	0.90	0.13	0.896	
Carbon Disulfide	ND	9.0	0.45	0.896	
Carbon Tetrachloride	ND	0.90	0.39	0.896	
Chlorobenzene	ND	0.90	0.22	0.896	
Chloroethane	ND	1.8	0.45	0.896	
Chloroform	ND	0.90	0.34	0.896	
Chloromethane	ND	18	1.2	0.896	
2-Chlorotoluene	ND	0.90	0.24	0.896	
4-Chlorotoluene	ND	0.90	0.18	0.896	
Dibromochloromethane	ND	1.8	0.29	0.896	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	0.896	
1,2-Dibromoethane	ND	0.90	0.37	0.896	
Dibromomethane	ND	0.90	0.38	0.896	
1,2-Dichlorobenzene	ND	0.90	0.23	0.896	
1,3-Dichlorobenzene	ND	0.90	0.18	0.896	
1,4-Dichlorobenzene	ND	0.90	0.35	0.896	
Dichlorodifluoromethane	ND	1.8	0.55	0.896	
1,1-Dichloroethane	ND	0.90	0.41	0.896	
1,2-Dichloroethane	ND	0.90	0.21	0.896	
1,1-Dichloroethene	ND	0.90	0.16	0.896	
c-1,2-Dichloroethene	ND	0.90	0.31	0.896	
t-1,2-Dichloroethene	ND	0.90	0.41	0.896	
1,2-Dichloropropane	ND	0.90	0.24	0.896	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	65-157	
1,4-Bromofluorobenzene	100	49-141	

Parameter	Result	RL	MDL	DF	Qual
1,3-Dichloropropane	ND	0.90	0.20	0.896	
2,2-Dichloropropane	ND	4.5	0.54	0.896	
1,1-Dichloropropene	ND	1.8	0.44	0.896	
c-1,3-Dichloropropene	ND	0.90	0.23	0.896	
t-1,3-Dichloropropene	ND	1.8	0.19	0.896	
Ethylbenzene	ND	0.90	0.26	0.896	
2-Hexanone	ND	18	3.2	0.896	
Isopropylbenzene	ND	0.90	0.28	0.896	
p-Isopropyltoluene	ND	0.90	0.33	0.896	
Methylene Chloride	ND	9.0	4.1	0.896	
4-Methyl-2-Pentanone	ND	18	0.84	0.896	
Naphthalene	ND	9.0	0.76	0.896	
n-Propylbenzene	ND	0.90	0.32	0.896	
Styrene	ND	0.90	0.22	0.896	
1,1,1,2-Tetrachloroethane	ND	0.90	0.34	0.896	
1,1,2,2-Tetrachloroethane	ND	1.8	0.20	0.896	
Tetrachloroethene	ND	0.90	0.27	0.896	
Toluene	0.56	0.90	0.27	0.896	J
1,2,3-Trichlorobenzene	ND	1.8	0.31	0.896	
1,2,4-Trichlorobenzene	ND	1.8	0.35	0.896	
1,1,1-Trichloroethane	ND	0.90	0.33	0.896	
1,1,2-Trichloroethane	ND	0.90	0.47	0.896	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.0	0.35	0.896	
Trichloroethene	ND	1.8	0.29	0.896	
Trichlorofluoromethane	ND	9.0	0.27	0.896	
1,2,3-Trichloropropane	ND	1.8	0.75	0.896	
1,2,4-Trimethylbenzene	ND	1.8	0.31	0.896	
1,3,5-Trimethylbenzene	ND	1.8	0.25	0.896	
Vinyl Acetate	ND	9.0	2.3	0.896	
Vinyl Chloride	ND	0.90	0.41	0.896	
p/m-Xylene	ND	1.8	0.52	0.896	
o-Xylene	0.33	0.90	0.21	0.896	J,B
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.22	0.896	

Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	100	51-144	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB09-01	04-03-0917-15	03/15/04	Solid	03/16/04	03/18/04	040318L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	6.0	18.0	2.7	0.879	J
Benzene	ND	0.88	0.14	0.879	
Bromobenzene	ND	0.88	0.16	0.879	
Bromochloromethane	ND	1.8	0.60	0.879	
Bromodichloromethane	ND	0.88	0.30	0.879	
Bromoform	ND	4.4	0.65	0.879	
Bromomethane	ND	18	1.3	0.879	
2-Butanone	ND	18	3.3	0.879	
n-Butylbenzene	ND	0.88	0.18	0.879	
sec-Butylbenzene	ND	0.88	0.078	0.879	
tert-Butylbenzene	ND	0.88	0.12	0.879	
Carbon Disulfide	ND	8.8	0.44	0.879	
Carbon Tetrachloride	ND	0.88	0.38	0.879	
Chlorobenzene	ND	0.88	0.21	0.879	
Chloroethane	ND	1.8	0.44	0.879	
Chloroform	ND	0.88	0.33	0.879	
Chloromethane	ND	18	1.2	0.879	
2-Chlorotoluene	ND	0.88	0.23	0.879	
4-Chlorotoluene	ND	0.88	0.18	0.879	
Dibromochloromethane	ND	1.8	0.29	0.879	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.879	
1,2-Dibromoethane	ND	0.88	0.37	0.879	
Dibromomethane	ND	0.88	0.38	0.879	
1,2-Dichlorobenzene	ND	0.88	0.22	0.879	
1,3-Dichlorobenzene	ND	0.88	0.18	0.879	
1,4-Dichlorobenzene	ND	0.88	0.35	0.879	
Dichlorodifluoromethane	ND	1.8	0.54	0.879	
1,1-Dichloroethane	ND	0.88	0.40	0.879	
1,2-Dichloroethane	ND	0.88	0.21	0.879	
1,1-Dichloroethene	ND	0.88	0.16	0.879	
c-1,2-Dichloroethene	ND	0.88	0.30	0.879	
t-1,2-Dichloroethene	ND	0.88	0.40	0.879	
1,2-Dichloropropane	ND	0.88	0.24	0.879	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	65-157	
1,4-Bromofluorobenzene	99	49-141	

Parameter	Result	RL	MDL	DF	Qual
1,3-Dichloropropane	ND	0.88	0.20	0.879	
2,2-Dichloropropane	ND	4.4	0.53	0.879	
1,1-Dichloropropene	ND	1.8	0.43	0.879	
c-1,3-Dichloropropene	ND	0.88	0.22	0.879	
t-1,3-Dichloropropene	ND	1.8	0.18	0.879	
Ethylbenzene	ND	0.88	0.25	0.879	
2-Hexanone	ND	18	3.1	0.879	
Isopropylbenzene	ND	0.88	0.27	0.879	
p-Isopropyltoluene	ND	0.88	0.32	0.879	
Methylene Chloride	ND	8.8	4.1	0.879	
4-Methyl-2-Pentanone	ND	18	0.82	0.879	
Naphthalene	ND	8.8	0.75	0.879	
n-Propylbenzene	ND	0.88	0.32	0.879	
Styrene	ND	0.88	0.21	0.879	
1,1,1,2-Tetrachloroethane	ND	0.88	0.34	0.879	
1,1,2,2-Tetrachloroethane	ND	1.8	0.19	0.879	
Tetrachloroethene	ND	0.88	0.26	0.879	
Toluene	ND	0.88	0.26	0.879	
1,2,3-Trichlorobenzene	ND	1.8	0.31	0.879	
1,2,4-Trichlorobenzene	ND	1.8	0.35	0.879	
1,1,1-Trichloroethane	ND	0.88	0.33	0.879	
1,1,2-Trichloroethane	ND	0.88	0.46	0.879	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.8	0.34	0.879	
Trichloroethene	ND	1.8	0.28	0.879	
Trichlorofluoromethane	ND	8.8	0.26	0.879	
1,2,3-Trichloropropane	ND	1.8	0.74	0.879	
1,2,4-Trimethylbenzene	ND	1.8	0.31	0.879	
1,3,5-Trimethylbenzene	ND	1.8	0.25	0.879	
Vinyl Acetate	ND	8.8	2.3	0.879	
Vinyl Chloride	ND	0.88	0.41	0.879	
p/m-Xylene	ND	1.8	0.51	0.879	
o-Xylene	0.31	0.88	0.20	0.879	J,B
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.21	0.879	

Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	99	51-144	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 5035
Method:	EPA 8260B
Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB09-02	04-03-0917-16	03/15/04	Solid	03/16/04	03/16/04	040316L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	4.4	18.0	2.8	0.901	J	1,3-Dichloropropane	ND	0.90	0.20	0.901	
Benzene	0.46	0.90	0.14	0.901	J	2,2-Dichloropropane	ND	4.5	0.54	0.901	
Bromobenzene	ND	0.90	0.16	0.901		1,1-Dichloropropene	ND	1.8	0.44	0.901	
Bromochloromethane	ND	1.8	0.62	0.901		c-1,3-Dichloropropene	ND	0.90	0.23	0.901	
Bromodichloromethane	ND	0.90	0.30	0.901		t-1,3-Dichloropropene	ND	1.8	0.19	0.901	
Bromoform	ND	4.5	0.66	0.901		Ethylbenzene	ND	0.90	0.26	0.901	
Bromomethane	ND	18	1.3	0.901		2-Hexanone	ND	18	3.2	0.901	
2-Butanone	ND	18	3.4	0.901		Isopropylbenzene	ND	0.90	0.28	0.901	
n-Butylbenzene	ND	0.90	0.18	0.901		p-Isopropyltoluene	ND	0.90	0.33	0.901	
sec-Butylbenzene	ND	0.90	0.080	0.901		Methylene Chloride	ND	9.0	4.2	0.901	
tert-Butylbenzene	ND	0.90	0.13	0.901		4-Methyl-2-Pentanone	ND	18	0.84	0.901	
Carbon Disulfide	ND	9.0	0.45	0.901		Naphthalene	ND	9.0	0.77	0.901	
Carbon Tetrachloride	ND	0.90	0.39	0.901		n-Propylbenzene	ND	0.90	0.33	0.901	
Chlorobenzene	ND	0.90	0.22	0.901		Styrene	ND	0.90	0.22	0.901	
Chloroethane	ND	1.8	0.45	0.901		1,1,1,2-Tetrachloroethane	ND	0.90	0.34	0.901	
Chloroform	ND	0.90	0.34	0.901		1,1,2,2-Tetrachloroethane	ND	1.8	0.20	0.901	
Chloromethane	ND	18	1.2	0.901		Tetrachloroethene	ND	0.90	0.27	0.901	
2-Chlorotoluene	ND	0.90	0.24	0.901		Toluene	ND	0.90	0.27	0.901	
4-Chlorotoluene	ND	0.90	0.18	0.901		1,2,3-Trichlorobenzene	ND	1.8	0.32	0.901	
Dibromochloromethane	ND	1.8	0.29	0.901		1,2,4-Trichlorobenzene	ND	1.8	0.35	0.901	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	0.901		1,1,1-Trichloroethane	ND	0.90	0.33	0.901	
1,2-Dibromoethane	ND	0.90	0.38	0.901		1,1,2-Trichloroethane	ND	0.90	0.47	0.901	
Dibromomethane	ND	0.90	0.39	0.901		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.0	0.35	0.901	
1,2-Dichlorobenzene	ND	0.90	0.23	0.901		Trichloroethene	ND	1.8	0.29	0.901	
1,3-Dichlorobenzene	ND	0.90	0.18	0.901		Trichlorofluoromethane	ND	9.0	0.27	0.901	
1,4-Dichlorobenzene	ND	0.90	0.36	0.901		1,2,3-Trichloropropane	ND	1.8	0.75	0.901	
Dichlorodifluoromethane	ND	1.8	0.55	0.901		1,2,4-Trimethylbenzene	ND	1.8	0.31	0.901	
1,1-Dichloroethane	ND	0.90	0.41	0.901		1,3,5-Trimethylbenzene	ND	1.8	0.25	0.901	
1,2-Dichloroethane	ND	0.90	0.21	0.901		Vinyl Acetate	ND	9.0	2.3	0.901	
1,1-Dichloroethene	ND	0.90	0.17	0.901		Vinyl Chloride	ND	0.90	0.42	0.901	
c-1,2-Dichloroethene	ND	0.90	0.31	0.901		p/m-Xylene	ND	1.8	0.52	0.901	
t-1,2-Dichloroethene	ND	0.90	0.41	0.901		o-Xylene	0.35	0.90	0.21	0.901	J,B
1,2-Dichloropropane	ND	0.90	0.24	0.901		Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.22	0.901	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	65-157		Toluene-d8	98	51-144	
1,4-Bromofluorobenzene	94	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB09-04	04-03-0917-18	03/15/04	Solid	03/16/04	03/17/04	040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	4.8	19.0	2.9	0.951	J	1,3-Dichloropropane	ND	0.95	0.21	0.951	
Benzene	ND	0.95	0.15	0.951		2,2-Dichloropropane	ND	4.8	0.57	0.951	
Bromobenzene	ND	0.95	0.17	0.951		1,1-Dichloropropene	ND	1.9	0.46	0.951	
Bromochloromethane	ND	1.9	0.65	0.951		c-1,3-Dichloropropene	ND	0.95	0.24	0.951	
Bromodichloromethane	ND	0.95	0.32	0.951		t-1,3-Dichloropropene	ND	1.9	0.20	0.951	
Bromoform	ND	4.8	0.70	0.951		Ethylbenzene	ND	0.95	0.27	0.951	
Bromomethane	ND	19	1.4	0.951		2-Hexanone	ND	19	3.4	0.951	
2-Butanone	ND	19	3.6	0.951		Isopropylbenzene	ND	0.95	0.29	0.951	
n-Butylbenzene	ND	0.95	0.19	0.951		p-Isopropyltoluene	ND	0.95	0.35	0.951	
sec-Butylbenzene	ND	0.95	0.085	0.951		Methylene Chloride	ND	9.5	4.4	0.951	
tert-Butylbenzene	ND	0.95	0.13	0.951		4-Methyl-2-Pentanone	ND	19	0.89	0.951	
Carbon Disulfide	ND	9.5	0.48	0.951		Naphthalene	ND	9.5	0.81	0.951	
Carbon Tetrachloride	ND	0.95	0.42	0.951		n-Propylbenzene	ND	0.95	0.34	0.951	
Chlorobenzene	ND	0.95	0.23	0.951		Styrene	ND	0.95	0.23	0.951	
Chloroethane	ND	1.9	0.48	0.951		1,1,1,2-Tetrachloroethane	ND	0.95	0.36	0.951	
Chloroform	ND	0.95	0.36	0.951		1,1,2,2-Tetrachloroethane	ND	1.9	0.21	0.951	
Chloromethane	ND	19	1.3	0.951		Tetrachloroethene	ND	0.95	0.29	0.951	
2-Chlorotoluene	ND	0.95	0.25	0.951		Toluene	ND	0.95	0.28	0.951	
4-Chlorotoluene	ND	0.95	0.19	0.951		1,2,3-Trichlorobenzene	ND	1.9	0.33	0.951	
Dibromochloromethane	ND	1.9	0.31	0.951		1,2,4-Trichlorobenzene	ND	1.9	0.37	0.951	
1,2-Dibromo-3-Chloropropane	ND	4.8	1.6	0.951		1,1,1-Trichloroethane	ND	0.95	0.35	0.951	
1,2-Dibromoethane	ND	0.95	0.40	0.951		1,1,2-Trichloroethane	ND	0.95	0.50	0.951	
Dibromomethane	ND	0.95	0.41	0.951		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.5	0.37	0.951	
1,2-Dichlorobenzene	ND	0.95	0.24	0.951		Trichloroethene	ND	1.9	0.30	0.951	
1,3-Dichlorobenzene	ND	0.95	0.19	0.951		Trichlorofluoromethane	ND	9.5	0.28	0.951	
1,4-Dichlorobenzene	ND	0.95	0.37	0.951		1,2,3-Trichloropropane	ND	1.9	0.80	0.951	
Dichlorodifluoromethane	ND	1.9	0.59	0.951		1,2,4-Trimethylbenzene	ND	1.9	0.33	0.951	
1,1-Dichloroethane	ND	0.95	0.43	0.951		1,3,5-Trimethylbenzene	ND	1.9	0.27	0.951	
1,2-Dichloroethane	ND	0.95	0.22	0.951		Vinyl Acetate	ND	9.5	2.4	0.951	
1,1-Dichloroethene	ND	0.95	0.18	0.951		Vinyl Chloride	ND	0.95	0.44	0.951	
c-1,2-Dichloroethene	ND	0.95	0.33	0.951		p/m-Xylene	ND	1.9	0.55	0.951	
t-1,2-Dichloroethene	ND	0.95	0.43	0.951		o-Xylene	0.28	0.95	0.22	0.951	J,B
1,2-Dichloropropane	ND	0.95	0.26	0.951		Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.23	0.951	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	65-157		Toluene-d8	101	51-144	
1,4-Bromofluorobenzene	92	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB10-01	04-03-0917-19	03/15/04	Solid	03/16/04	03/17/04	040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	18	2.7	0.885		1,3-Dichloropropane	ND	0.89	0.20	0.885	
Benzene	0.50	0.89	0.14	0.885	J	2,2-Dichloropropane	ND	4.4	0.53	0.885	
Bromobenzene	ND	0.89	0.16	0.885		1,1-Dichloropropene	ND	1.8	0.43	0.885	
Bromochloromethane	ND	1.8	0.60	0.885		c-1,3-Dichloropropene	ND	0.89	0.22	0.885	
Bromodichloromethane	ND	0.89	0.30	0.885		t-1,3-Dichloropropene	ND	1.8	0.18	0.885	
Bromoform	ND	4.4	0.65	0.885		Ethylbenzene	ND	0.89	0.25	0.885	
Bromomethane	ND	18	1.3	0.885		2-Hexanone	ND	18	3.1	0.885	
2-Butanone	ND	18	3.3	0.885		Isopropylbenzene	ND	0.89	0.27	0.885	
n-Butylbenzene	ND	0.89	0.18	0.885		p-Isopropyltoluene	ND	0.89	0.32	0.885	
sec-Butylbenzene	ND	0.89	0.079	0.885		Methylene Chloride	ND	8.9	4.1	0.885	
tert-Butylbenzene	ND	0.89	0.13	0.885		4-Methyl-2-Pentanone	ND	18	0.83	0.885	
Carbon Disulfide	ND	8.9	0.45	0.885		Naphthalene	ND	8.9	0.75	0.885	
Carbon Tetrachloride	ND	0.89	0.39	0.885		n-Propylbenzene	ND	0.89	0.32	0.885	
Chlorobenzene	ND	0.89	0.21	0.885		Styrene	ND	0.89	0.21	0.885	
Chloroethane	ND	1.8	0.44	0.885		1,1,1,2-Tetrachloroethane	ND	0.89	0.34	0.885	
Chloroform	ND	0.89	0.33	0.885		1,1,2,2-Tetrachloroethane	ND	1.8	0.19	0.885	
Chloromethane	ND	18	1.2	0.885		Tetrachloroethene	ND	0.89	0.27	0.885	
2-Chlorotoluene	ND	0.89	0.23	0.885		Toluene	0.57	0.89	0.26	0.885	J
4-Chlorotoluene	ND	0.89	0.18	0.885		1,2,3-Trichlorobenzene	ND	1.8	0.31	0.885	
Dibromochloromethane	ND	1.8	0.29	0.885		1,2,4-Trichlorobenzene	ND	1.8	0.35	0.885	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.885		1,1,1-Trichloroethane	ND	0.89	0.33	0.885	
1,2-Dibromoethane	ND	0.89	0.37	0.885		1,1,2-Trichloroethane	ND	0.89	0.47	0.885	
Dibromomethane	ND	0.89	0.38	0.885		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.9	0.34	0.885	
1,2-Dichlorobenzene	ND	0.89	0.23	0.885		Trichloroethene	ND	1.8	0.28	0.885	
1,3-Dichlorobenzene	ND	0.89	0.18	0.885		Trichlorofluoromethane	ND	8.9	0.26	0.885	
1,4-Dichlorobenzene	ND	0.89	0.35	0.885		1,2,3-Trichloropropane	ND	1.8	0.74	0.885	
Dichlorodifluoromethane	ND	1.8	0.54	0.885		1,2,4-Trimethylbenzene	ND	1.8	0.31	0.885	
1,1-Dichloroethane	ND	0.89	0.40	0.885		1,3,5-Trimethylbenzene	ND	1.8	0.25	0.885	
1,2-Dichloroethane	ND	0.89	0.21	0.885		Vinyl Acetate	ND	8.9	2.3	0.885	
1,1-Dichloroethene	ND	0.89	0.16	0.885		Vinyl Chloride	ND	0.89	0.41	0.885	
c-1,2-Dichloroethene	ND	0.89	0.30	0.885		p/m-Xylene	ND	1.8	0.51	0.885	
t-1,2-Dichloroethene	ND	0.89	0.40	0.885		o-Xylene	0.27	0.89	0.20	0.885	J,B
1,2-Dichloropropane	ND	0.89	0.24	0.885		Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.21	0.885	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	65-157		Toluene-d8	100	51-144	
1,4-Bromofluorobenzene	92	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB10-02	04-03-0917-20	03/15/04	Solid	03/16/04	03/17/04	040316L03

Parameter	Result	RL	MDL	DF	Qual
Acetone	22	18	2.8	0.911	
Benzene	0.39	0.91	0.14	0.911	J
Bromobenzene	ND	0.91	0.17	0.911	
Bromochloromethane	ND	1.8	0.62	0.911	
Bromodichloromethane	ND	0.91	0.31	0.911	
Bromoform	ND	4.6	0.67	0.911	
Bromomethane	ND	18	1.3	0.911	
2-Butanone	3.5	18.0	3.4	0.911	J
n-Butylbenzene	ND	0.91	0.18	0.911	
sec-Butylbenzene	ND	0.91	0.081	0.911	
tert-Butylbenzene	ND	0.91	0.13	0.911	
Carbon Disulfide	2.0	9.1	0.46	0.911	J
Carbon Tetrachloride	ND	0.91	0.40	0.911	
Chlorobenzene	ND	0.91	0.22	0.911	
Chloroethane	ND	1.8	0.46	0.911	
Chloroform	ND	0.91	0.34	0.911	
Chloromethane	ND	18	1.2	0.911	
2-Chlorotoluene	ND	0.91	0.24	0.911	
4-Chlorotoluene	ND	0.91	0.19	0.911	
Dibromochloromethane	ND	1.8	0.30	0.911	
1,2-Dibromo-3-Chloropropane	ND	4.6	1.6	0.911	
1,2-Dibromoethane	ND	0.91	0.38	0.911	
Dibromomethane	ND	0.91	0.39	0.911	
1,2-Dichlorobenzene	ND	0.91	0.23	0.911	
1,3-Dichlorobenzene	ND	0.91	0.18	0.911	
1,4-Dichlorobenzene	ND	0.91	0.36	0.911	
Dichlorodifluoromethane	ND	1.8	0.56	0.911	
1,1-Dichloroethane	ND	0.91	0.41	0.911	
1,2-Dichloroethane	ND	0.91	0.21	0.911	
1,1-Dichloroethene	ND	0.91	0.17	0.911	
c-1,2-Dichloroethene	ND	0.91	0.31	0.911	
t-1,2-Dichloroethene	ND	0.91	0.41	0.911	
1,2-Dichloropropane	ND	0.91	0.25	0.911	

Parameter	Result	RL	MDL	DF	Qual
1,3-Dichloropropane	ND	0.91	0.20	0.911	
2,2-Dichloropropane	ND	4.6	0.55	0.911	
1,1-Dichloropropene	ND	1.8	0.44	0.911	
c-1,3-Dichloropropene	ND	0.91	0.23	0.911	
t-1,3-Dichloropropene	ND	1.8	0.19	0.911	
Ethylbenzene	ND	0.91	0.26	0.911	
2-Hexanone	ND	18	3.2	0.911	
Isopropylbenzene	ND	0.91	0.28	0.911	
p-Isopropyltoluene	ND	0.91	0.33	0.911	
Methylene Chloride	ND	9.1	4.2	0.911	
4-Methyl-2-Pentanone	ND	18	0.85	0.911	
Naphthalene	ND	9.1	0.77	0.911	
n-Propylbenzene	ND	0.91	0.33	0.911	
Styrene	ND	0.91	0.22	0.911	
1,1,1,2-Tetrachloroethane	ND	0.91	0.35	0.911	
1,1,2,2-Tetrachloroethane	ND	1.8	0.20	0.911	
Tetrachloroethene	ND	0.91	0.27	0.911	
Toluene	0.28	0.91	0.27	0.911	J
1,2,3-Trichlorobenzene	ND	1.8	0.32	0.911	
1,2,4-Trichlorobenzene	ND	1.8	0.36	0.911	
1,1,1-Trichloroethane	ND	0.91	0.34	0.911	
1,1,2-Trichloroethane	ND	0.91	0.48	0.911	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.1	0.35	0.911	
Trichloroethene	ND	1.8	0.29	0.911	
Trichlorofluoromethane	ND	9.1	0.27	0.911	
1,2,3-Trichloropropane	ND	1.8	0.76	0.911	
1,2,4-Trimethylbenzene	ND	1.8	0.32	0.911	
1,3,5-Trimethylbenzene	ND	1.8	0.26	0.911	
Vinyl Acetate	ND	9.1	2.3	0.911	
Vinyl Chloride	ND	0.91	0.42	0.911	
p/m-Xylene	ND	1.8	0.52	0.911	
o-Xylene	0.30	0.91	0.21	0.911	J,B
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.22	0.911	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	111	65-157	
1,4-Bromofluorobenzene	90	49-141	
Toluene-d8	102	51-144	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 5035
Method:	EPA 8260B
Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB10-04	04-03-0917-22	03/15/04	Solid	03/16/04	03/17/04	040316L03

Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	17	2.7	0.868	
Benzene	0.78	0.87	0.14	0.868	J
Bromobenzene	ND	0.87	0.16	0.868	
Bromochloromethane	ND	1.7	0.59	0.868	
Bromodichloromethane	ND	0.87	0.29	0.868	
Bromoform	ND	4.3	0.64	0.868	
Bromomethane	ND	17	1.3	0.868	
2-Butanone	ND	17	3.3	0.868	
n-Butylbenzene	ND	0.87	0.17	0.868	
sec-Butylbenzene	ND	0.87	0.077	0.868	
tert-Butylbenzene	ND	0.87	0.12	0.868	
Carbon Disulfide	ND	8.7	0.44	0.868	
Carbon Tetrachloride	ND	0.87	0.38	0.868	
Chlorobenzene	ND	0.87	0.21	0.868	
Chloroethane	ND	1.7	0.44	0.868	
Chloroform	ND	0.87	0.33	0.868	
Chloromethane	ND	17	1.1	0.868	
2-Chlorotoluene	ND	0.87	0.23	0.868	
4-Chlorotoluene	ND	0.87	0.18	0.868	
Dibromochloromethane	ND	1.7	0.28	0.868	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.5	0.868	
1,2-Dibromoethane	ND	0.87	0.36	0.868	
Dibromomethane	ND	0.87	0.37	0.868	
1,2-Dichlorobenzene	ND	0.87	0.22	0.868	
1,3-Dichlorobenzene	ND	0.87	0.17	0.868	
1,4-Dichlorobenzene	ND	0.87	0.34	0.868	
Dichlorodifluoromethane	ND	1.7	0.53	0.868	
1,1-Dichloroethane	ND	0.87	0.39	0.868	
1,2-Dichloroethane	ND	0.87	0.20	0.868	
1,1-Dichloroethene	ND	0.87	0.16	0.868	
c-1,2-Dichloroethene	ND	0.87	0.30	0.868	
t-1,2-Dichloroethene	ND	0.87	0.39	0.868	
1,2-Dichloropropane	ND	0.87	0.23	0.868	

Parameter	Result	RL	MDL	DF	Qual
1,3-Dichloropropane	ND	0.87	0.19	0.868	
2,2-Dichloropropane	ND	4.3	0.52	0.868	
1,1-Dichloropropene	ND	1.7	0.42	0.868	
c-1,3-Dichloropropene	ND	0.87	0.22	0.868	
t-1,3-Dichloropropene	ND	1.7	0.18	0.868	
Ethylbenzene	ND	0.87	0.25	0.868	
2-Hexanone	ND	17	3.1	0.868	
Isopropylbenzene	ND	0.87	0.27	0.868	
p-Isopropyltoluene	ND	0.87	0.32	0.868	
Methylene Chloride	ND	8.7	4.0	0.868	
4-Methyl-2-Pentanone	ND	17	0.81	0.868	
Naphthalene	ND	8.7	0.74	0.868	
n-Propylbenzene	ND	0.87	0.31	0.868	
Styrene	ND	0.87	0.21	0.868	
1,1,1,2-Tetrachloroethane	ND	0.87	0.33	0.868	
1,1,2,2-Tetrachloroethane	ND	1.7	0.19	0.868	
Tetrachloroethene	ND	0.87	0.26	0.868	
Toluene	0.82	0.87	0.26	0.868	J
1,2,3-Trichlorobenzene	ND	1.7	0.31	0.868	
1,2,4-Trichlorobenzene	ND	1.7	0.34	0.868	
1,1,1-Trichloroethane	ND	0.87	0.32	0.868	
1,1,2-Trichloroethane	ND	0.87	0.46	0.868	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.7	0.34	0.868	
Trichloroethene	ND	1.7	0.28	0.868	
Trichlorofluoromethane	ND	8.7	0.26	0.868	
1,2,3-Trichloropropane	ND	1.7	0.73	0.868	
1,2,4-Trimethylbenzene	ND	1.7	0.30	0.868	
1,3,5-Trimethylbenzene	ND	1.7	0.24	0.868	
Vinyl Acetate	ND	8.7	2.2	0.868	
Vinyl Chloride	ND	0.87	0.40	0.868	
p/m-Xylene	ND	1.7	0.50	0.868	
o-Xylene	0.27	0.87	0.20	0.868	J,B
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.21	0.868	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	65-157	
1,4-Bromofluorobenzene	94	49-141	
Toluene-d8	101	51-144	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB12-01	04-03-0917-23	03/15/04	Solid	03/16/04	03/18/04	040318L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	4.3	22.0	3.3	1.085	J
Benzene	ND	1.1	0.17	1.085	
Bromobenzene	ND	1.1	0.20	1.085	
Bromochloromethane	ND	2.2	0.74	1.085	
Bromodichloromethane	ND	1.1	0.37	1.085	
Bromoform	ND	5.4	0.80	1.085	
Bromomethane	ND	22	1.6	1.085	
2-Butanone	ND	22	4.1	1.085	
n-Butylbenzene	ND	1.1	0.22	1.085	
sec-Butylbenzene	ND	1.1	0.096	1.085	
tert-Butylbenzene	ND	1.1	0.15	1.085	
Carbon Disulfide	ND	11	0.55	1.085	
Carbon Tetrachloride	ND	1.1	0.48	1.085	
Chlorobenzene	ND	1.1	0.26	1.085	
Chloroethane	ND	2.2	0.54	1.085	
Chloroform	ND	1.1	0.41	1.085	
Chloromethane	ND	22	1.4	1.085	
2-Chlorotoluene	ND	1.1	0.29	1.085	
4-Chlorotoluene	ND	1.1	0.22	1.085	
Dibromochloromethane	ND	2.2	0.35	1.085	
1,2-Dibromo-3-Chloropropane	ND	5.4	1.9	1.085	
1,2-Dibromoethane	ND	1.1	0.45	1.085	
Dibromomethane	ND	1.1	0.46	1.085	
1,2-Dichlorobenzene	ND	1.1	0.28	1.085	
1,3-Dichlorobenzene	ND	1.1	0.22	1.085	
1,4-Dichlorobenzene	ND	1.1	0.43	1.085	
Dichlorodifluoromethane	ND	2.2	0.67	1.085	
1,1-Dichloroethane	ND	1.1	0.49	1.085	
1,2-Dichloroethane	ND	1.1	0.25	1.085	
1,1-Dichloroethene	ND	1.1	0.20	1.085	
c-1,2-Dichloroethene	ND	1.1	0.37	1.085	
t-1,2-Dichloroethene	ND	1.1	0.49	1.085	
1,2-Dichloropropane	ND	1.1	0.29	1.085	

Parameter	Result	RL	MDL	DF	Qual
1,3-Dichloropropane	ND	1.1	0.24	1.085	
2,2-Dichloropropane	ND	5.4	0.65	1.085	
1,1-Dichloropropene	ND	2.2	0.53	1.085	
c-1,3-Dichloropropene	ND	1.1	0.27	1.085	
t-1,3-Dichloropropene	ND	2.2	0.23	1.085	
Ethylbenzene	ND	1.1	0.31	1.085	
2-Hexanone	ND	22	3.8	1.085	
Isopropylbenzene	ND	1.1	0.33	1.085	
p-Isopropyltoluene	ND	1.1	0.40	1.085	
Methylene Chloride	ND	11	5.0	1.085	
4-Methyl-2-Pentanone	ND	22	1.0	1.085	
Naphthalene	ND	11	0.92	1.085	
n-Propylbenzene	ND	1.1	0.39	1.085	
Styrene	ND	1.1	0.26	1.085	
1,1,1,2-Tetrachloroethane	ND	1.1	0.41	1.085	
1,1,2,2-Tetrachloroethane	ND	2.2	0.24	1.085	
Tetrachloroethene	ND	1.1	0.33	1.085	
Toluene	ND	1.1	0.32	1.085	
1,2,3-Trichlorobenzene	ND	2.2	0.38	1.085	
1,2,4-Trichlorobenzene	ND	2.2	0.43	1.085	
1,1,1-Trichloroethane	ND	1.1	0.40	1.085	
1,1,2-Trichloroethane	ND	1.1	0.57	1.085	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	0.42	1.085	
Trichloroethene	ND	2.2	0.35	1.085	
Trichlorofluoromethane	ND	11	0.32	1.085	
1,2,3-Trichloropropane	ND	2.2	0.91	1.085	
1,2,4-Trimethylbenzene	ND	2.2	0.38	1.085	
1,3,5-Trimethylbenzene	ND	2.2	0.31	1.085	
Vinyl Acetate	ND	11	2.8	1.085	
Vinyl Chloride	ND	1.1	0.50	1.085	
p/m-Xylene	ND	2.2	0.62	1.085	
o-Xylene	0.42	1.1	0.25	1.085	J,B
Methyl-t-Butyl Ether (MTBE)	ND	2.2	0.26	1.085	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	65-157	
1,4-Bromofluorobenzene	100	49-141	
Toluene-d8	100	51-144	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB12-02	04-03-0917-24	03/15/04	Solid	03/16/04	03/17/04	040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	5.8	19.0	2.9	0.933	J	1,3-Dichloropropane	ND	0.93	0.21	0.933	
Benzene	0.73	0.93	0.15	0.933	J	2,2-Dichloropropane	ND	4.7	0.56	0.933	
Bromobenzene	ND	0.93	0.17	0.933		1,1-Dichloropropene	ND	1.9	0.45	0.933	
Bromochloromethane	ND	1.9	0.64	0.933		c-1,3-Dichloropropene	ND	0.93	0.23	0.933	
Bromodichloromethane	ND	0.93	0.32	0.933		t-1,3-Dichloropropene	ND	1.9	0.19	0.933	
Bromoform	ND	4.7	0.69	0.933		Ethylbenzene	ND	0.93	0.27	0.933	
Bromomethane	ND	19	1.4	0.933		2-Hexanone	ND	19	3.3	0.933	
2-Butanone	ND	19	3.5	0.933		Isopropylbenzene	ND	0.93	0.29	0.933	
n-Butylbenzene	ND	0.93	0.19	0.933		p-Isopropyltoluene	ND	0.93	0.34	0.933	
sec-Butylbenzene	ND	0.93	0.083	0.933		Methylene Chloride	ND	9.3	4.3	0.933	
tert-Butylbenzene	ND	0.93	0.13	0.933		4-Methyl-2-Pentanone	ND	19	0.87	0.933	
Carbon Disulfide	ND	9.3	0.47	0.933		Naphthalene	ND	9.3	0.79	0.933	
Carbon Tetrachloride	ND	0.93	0.41	0.933		n-Propylbenzene	ND	0.93	0.34	0.933	
Chlorobenzene	ND	0.93	0.22	0.933		Styrene	ND	0.93	0.23	0.933	
Chloroethane	ND	1.9	0.47	0.933		1,1,1,2-Tetrachloroethane	ND	0.93	0.36	0.933	
Chloroform	0.53	0.93	0.35	0.933	J	1,1,2,2-Tetrachloroethane	ND	1.9	0.21	0.933	
Chloromethane	ND	19	1.2	0.933		Tetrachloroethene	ND	0.93	0.28	0.933	
2-Chlorotoluene	ND	0.93	0.25	0.933		Toluene	0.46	0.93	0.28	0.933	J
4-Chlorotoluene	ND	0.93	0.19	0.933		1,2,3-Trichlorobenzene	ND	1.9	0.33	0.933	
Dibromochloromethane	ND	1.9	0.30	0.933		1,2,4-Trichlorobenzene	ND	1.9	0.37	0.933	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.6	0.933		1,1,1-Trichloroethane	ND	0.93	0.35	0.933	
1,2-Dibromoethane	ND	0.93	0.39	0.933		1,1,2-Trichloroethane	ND	0.93	0.49	0.933	
Dibromomethane	ND	0.93	0.40	0.933		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.3	0.36	0.933	
1,2-Dichlorobenzene	ND	0.93	0.24	0.933		Trichloroethene	ND	1.9	0.30	0.933	
1,3-Dichlorobenzene	ND	0.93	0.19	0.933		Trichlorofluoromethane	ND	9.3	0.28	0.933	
1,4-Dichlorobenzene	ND	0.93	0.37	0.933		1,2,3-Trichloropropane	ND	1.9	0.78	0.933	
Dichlorodifluoromethane	ND	1.9	0.57	0.933		1,2,4-Trimethylbenzene	ND	1.9	0.32	0.933	
1,1-Dichloroethane	ND	0.93	0.42	0.933		1,3,5-Trimethylbenzene	ND	1.9	0.26	0.933	
1,2-Dichloroethane	ND	0.93	0.22	0.933		Vinyl Acetate	ND	9.3	2.4	0.933	
1,1-Dichloroethene	ND	0.93	0.17	0.933		Vinyl Chloride	ND	0.93	0.43	0.933	
c-1,2-Dichloroethene	ND	0.93	0.32	0.933		p/m-Xylene	ND	1.9	0.54	0.933	
t-1,2-Dichloroethene	ND	0.93	0.42	0.933		o-Xylene	0.28	0.93	0.22	0.933	J,B
1,2-Dichloropropane	ND	0.93	0.25	0.933		Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.23	0.933	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	65-157		Toluene-d8	102	51-144	
1,4-Bromofluorobenzene	92	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB12-04	04-03-0917-26	03/15/04	Solid	03/16/04	03/17/04	040316L04

Parameter	Result	RL	MDL	DF	Qual
Acetone	6.6	19.0	2.9	0.942	J
Benzene	0.99	0.94	0.15	0.942	
Bromobenzene	ND	0.94	0.17	0.942	
Bromochloromethane	ND	1.9	0.64	0.942	
Bromodichloromethane	ND	0.94	0.32	0.942	
Bromoform	ND	4.7	0.69	0.942	
Bromomethane	ND	19	1.4	0.942	
2-Butanone	ND	19	3.6	0.942	
n-Butylbenzene	ND	0.94	0.19	0.942	
sec-Butylbenzene	ND	0.94	0.084	0.942	
tert-Butylbenzene	ND	0.94	0.13	0.942	
Carbon Disulfide	ND	9.4	0.47	0.942	
Carbon Tetrachloride	ND	0.94	0.41	0.942	
Chlorobenzene	ND	0.94	0.23	0.942	
Chloroethane	ND	1.9	0.47	0.942	
Chloroform	0.60	0.94	0.35	0.942	J
Chloromethane	ND	19	1.2	0.942	
2-Chlorotoluene	ND	0.94	0.25	0.942	
4-Chlorotoluene	ND	0.94	0.19	0.942	
Dibromochloromethane	ND	1.9	0.31	0.942	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.6	0.942	
1,2-Dibromoethane	ND	0.94	0.39	0.942	
Dibromomethane	ND	0.94	0.40	0.942	
1,2-Dichlorobenzene	ND	0.94	0.24	0.942	
1,3-Dichlorobenzene	ND	0.94	0.19	0.942	
1,4-Dichlorobenzene	ND	0.94	0.37	0.942	
Dichlorodifluoromethane	ND	1.9	0.58	0.942	
1,1-Dichloroethane	ND	0.94	0.43	0.942	
1,2-Dichloroethane	ND	0.94	0.22	0.942	
1,1-Dichloroethene	ND	0.94	0.17	0.942	
c-1,2-Dichloroethene	ND	0.94	0.32	0.942	
t-1,2-Dichloroethene	ND	0.94	0.43	0.942	
1,2-Dichloropropane	ND	0.94	0.25	0.942	

Parameter	Result	RL	MDL	DF	Qual
1,3-Dichloropropane	ND	0.94	0.21	0.942	
2,2-Dichloropropane	ND	4.7	0.56	0.942	
1,1-Dichloropropene	ND	1.9	0.46	0.942	
c-1,3-Dichloropropene	ND	0.94	0.24	0.942	
t-1,3-Dichloropropene	ND	1.9	0.20	0.942	
Ethylbenzene	ND	0.94	0.27	0.942	
2-Hexanone	ND	19	3.3	0.942	
Isopropylbenzene	ND	0.94	0.29	0.942	
p-Isopropyltoluene	ND	0.94	0.34	0.942	
Methylene Chloride	ND	9.4	4.4	0.942	
4-Methyl-2-Pentanone	ND	19	0.88	0.942	
Naphthalene	ND	9.4	0.80	0.942	
n-Propylbenzene	ND	0.94	0.34	0.942	
Styrene	ND	0.94	0.23	0.942	
1,1,1,2-Tetrachloroethane	ND	0.94	0.36	0.942	
1,1,2,2-Tetrachloroethane	ND	1.9	0.21	0.942	
Tetrachloroethene	ND	0.94	0.28	0.942	
Toluene	0.69	0.94	0.28	0.942	J
1,2,3-Trichlorobenzene	ND	1.9	0.33	0.942	
1,2,4-Trichlorobenzene	ND	1.9	0.37	0.942	
1,1,1-Trichloroethane	ND	0.94	0.35	0.942	
1,1,2-Trichloroethane	ND	0.94	0.50	0.942	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.4	0.36	0.942	
Trichloroethene	ND	1.9	0.30	0.942	
Trichlorofluoromethane	ND	9.4	0.28	0.942	
1,2,3-Trichloropropane	ND	1.9	0.79	0.942	
1,2,4-Trimethylbenzene	ND	1.9	0.33	0.942	
1,3,5-Trimethylbenzene	ND	1.9	0.27	0.942	
Vinyl Acetate	ND	9.4	2.4	0.942	
Vinyl Chloride	ND	0.94	0.43	0.942	
p/m-Xylene	ND	1.9	0.54	0.942	
o-Xylene	0.30	0.94	0.22	0.942	J,B
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.23	0.942	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	65-157	
1,4-Bromofluorobenzene	92	49-141	
Toluene-d8	101	51-144	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 DP01-01	04-03-0917-27	03/15/04	Solid	03/16/04	03/17/04	040316L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	12	18	2.7	0.876	J	1,3-Dichloropropane	ND	0.88	0.19	0.876	
Benzene	0.28	0.88	0.14	0.876	J	2,2-Dichloropropane	ND	4.4	0.53	0.876	
Bromobenzene	ND	0.88	0.16	0.876		1,1-Dichloropropene	ND	1.8	0.43	0.876	
Bromochloromethane	ND	1.8	0.60	0.876		c-1,3-Dichloropropene	ND	0.88	0.22	0.876	
Bromodichloromethane	ND	0.88	0.30	0.876		t-1,3-Dichloropropene	ND	1.8	0.18	0.876	
Bromoform	ND	4.4	0.65	0.876		Ethylbenzene	ND	0.88	0.25	0.876	
Bromomethane	ND	18	1.3	0.876		2-Hexanone	ND	18	3.1	0.876	
2-Butanone	ND	18	3.3	0.876		Isopropylbenzene	ND	0.88	0.27	0.876	
n-Butylbenzene	ND	0.88	0.18	0.876		p-Isopropyltoluene	ND	0.88	0.32	0.876	
sec-Butylbenzene	ND	0.88	0.078	0.876		Methylene Chloride	ND	8.8	4.0	0.876	
tert-Butylbenzene	ND	0.88	0.12	0.876		4-Methyl-2-Pentanone	ND	18	0.82	0.876	
Carbon Disulfide	ND	8.8	0.44	0.876		Naphthalene	ND	8.8	0.74	0.876	
Carbon Tetrachloride	ND	0.88	0.38	0.876		n-Propylbenzene	ND	0.88	0.32	0.876	
Chlorobenzene	ND	0.88	0.21	0.876		Styrene	ND	0.88	0.21	0.876	
Chloroethane	ND	1.8	0.44	0.876		1,1,1,2-Tetrachloroethane	ND	0.88	0.33	0.876	
Chloroform	ND	0.88	0.33	0.876		1,1,2,2-Tetrachloroethane	ND	1.8	0.19	0.876	
Chloromethane	ND	18	1.2	0.876		Tetrachloroethene	ND	0.88	0.26	0.876	
2-Chlorotoluene	ND	0.88	0.23	0.876		Toluene	ND	0.88	0.26	0.876	
4-Chlorotoluene	ND	0.88	0.18	0.876		1,2,3-Trichlorobenzene	ND	1.8	0.31	0.876	
Dibromochloromethane	ND	1.8	0.29	0.876		1,2,4-Trichlorobenzene	ND	1.8	0.34	0.876	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.876		1,1,1-Trichloroethane	ND	0.88	0.32	0.876	
1,2-Dibromoethane	ND	0.88	0.37	0.876		1,1,2-Trichloroethane	ND	0.88	0.46	0.876	
Dibromomethane	ND	0.88	0.37	0.876		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.8	0.34	0.876	
1,2-Dichlorobenzene	ND	0.88	0.22	0.876		Trichloroethene	ND	1.8	0.28	0.876	
1,3-Dichlorobenzene	ND	0.88	0.18	0.876		Trichlorofluoromethane	ND	8.8	0.26	0.876	
1,4-Dichlorobenzene	ND	0.88	0.35	0.876		1,2,3-Trichloropropane	ND	1.8	0.73	0.876	
Dichlorodifluoromethane	ND	1.8	0.54	0.876		1,2,4-Trimethylbenzene	ND	1.8	0.30	0.876	
1,1-Dichloroethane	ND	0.88	0.40	0.876		1,3,5-Trimethylbenzene	ND	1.8	0.25	0.876	
1,2-Dichloroethane	ND	0.88	0.21	0.876		Vinyl Acetate	ND	8.8	2.2	0.876	
1,1-Dichloroethene	ND	0.88	0.16	0.876		Vinyl Chloride	ND	0.88	0.40	0.876	
c-1,2-Dichloroethene	ND	0.88	0.30	0.876		p/m-Xylene	ND	1.8	0.50	0.876	
t-1,2-Dichloroethene	ND	0.88	0.40	0.876		o-Xylene	0.27	0.88	0.20	0.876	J,B
1,2-Dichloropropane	ND	0.88	0.24	0.876		Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.21	0.876	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	112	65-157		Toluene-d8	102	51-144	
1,4-Bromofluorobenzene	91	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 DP01-02	04-03-0917-28	03/15/04	Solid	03/16/04	03/17/04	040316L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	3.8	20.0	3.1	1.016	J	1,3-Dichloropropane	ND	1.0	0.23	1.016	
Benzene	0.44	1.0	0.16	1.016	J	2,2-Dichloropropane	ND	5.1	0.61	1.016	
Bromobenzene	ND	1.0	0.19	1.016		1,1-Dichloropropene	ND	2.0	0.49	1.016	
Bromochloromethane	ND	2.0	0.69	1.016		c-1,3-Dichloropropene	ND	1.0	0.26	1.016	
Bromodichloromethane	ND	1.0	0.34	1.016		t-1,3-Dichloropropene	ND	2.0	0.21	1.016	
Bromoform	ND	5.1	0.75	1.016		Ethylbenzene	ND	1.0	0.29	1.016	
Bromomethane	ND	20	1.5	1.016		2-Hexanone	ND	20	3.6	1.016	
2-Butanone	ND	20	3.8	1.016		Isopropylbenzene	ND	1.0	0.31	1.016	
n-Butylbenzene	ND	1.0	0.20	1.016		p-Isopropyltoluene	ND	1.0	0.37	1.016	
sec-Butylbenzene	ND	1.0	0.090	1.016		Methylene Chloride	ND	10	4.7	1.016	
tert-Butylbenzene	ND	1.0	0.14	1.016		4-Methyl-2-Pentanone	ND	20	0.95	1.016	
Carbon Disulfide	0.91	10.00	0.51	1.016	J	Naphthalene	ND	10	0.86	1.016	
Carbon Tetrachloride	ND	1.0	0.44	1.016		n-Propylbenzene	ND	1.0	0.37	1.016	
Chlorobenzene	ND	1.0	0.24	1.016		Styrene	ND	1.0	0.25	1.016	
Chloroethane	ND	2.0	0.51	1.016		1,1,1,2-Tetrachloroethane	ND	1.0	0.39	1.016	
Chloroform	ND	1.0	0.38	1.016		1,1,2,2-Tetrachloroethane	ND	2.0	0.22	1.016	
Chloromethane	ND	20	1.3	1.016		Tetrachloroethene	ND	1.0	0.31	1.016	
2-Chlorotoluene	ND	1.0	0.27	1.016		Toluene	0.58	1.0	0.30	1.016	J
4-Chlorotoluene	ND	1.0	0.21	1.016		1,2,3-Trichlorobenzene	ND	2.0	0.36	1.016	
Dibromochloromethane	ND	2.0	0.33	1.016		1,2,4-Trichlorobenzene	ND	2.0	0.40	1.016	
1,2-Dibromo-3-Chloropropane	ND	5.1	1.8	1.016		1,1,1-Trichloroethane	ND	1.0	0.38	1.016	
1,2-Dibromoethane	ND	1.0	0.43	1.016		1,1,2-Trichloroethane	ND	1.0	0.54	1.016	
Dibromomethane	ND	1.0	0.43	1.016		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.39	1.016	
1,2-Dichlorobenzene	ND	1.0	0.26	1.016		Trichloroethene	ND	2.0	0.33	1.016	
1,3-Dichlorobenzene	ND	1.0	0.20	1.016		Trichlorofluoromethane	ND	10	0.30	1.016	
1,4-Dichlorobenzene	ND	1.0	0.40	1.016		1,2,3-Trichloropropane	ND	2.0	0.85	1.016	
Dichlorodifluoromethane	ND	2.0	0.63	1.016		1,2,4-Trimethylbenzene	ND	2.0	0.35	1.016	
1,1-Dichloroethane	ND	1.0	0.46	1.016		1,3,5-Trimethylbenzene	ND	2.0	0.29	1.016	
1,2-Dichloroethane	ND	1.0	0.24	1.016		Vinyl Acetate	ND	10	2.6	1.016	
1,1-Dichloroethene	ND	1.0	0.19	1.016		Vinyl Chloride	ND	1.0	0.47	1.016	
c-1,2-Dichloroethene	ND	1.0	0.35	1.016		p/m-Xylene	ND	2.0	0.58	1.016	
t-1,2-Dichloroethene	ND	1.0	0.46	1.016		o-Xylene	0.32	1.0	0.24	1.016	J,B
1,2-Dichloropropane	ND	1.0	0.27	1.016		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.25	1.016	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	65-157		Toluene-d8	100	51-144	
1,4-Bromofluorobenzene	94	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB07-01	04-03-0917-30	03/15/04	Solid	03/16/04	03/18/04	040318L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	7.8	17.0	2.6	0.846	J	1,3-Dichloropropane	ND	0.85	0.19	0.846	
Benzene	ND	0.85	0.13	0.846		2,2-Dichloropropane	ND	4.2	0.51	0.846	
Bromobenzene	ND	0.85	0.15	0.846		1,1-Dichloropropene	ND	1.7	0.41	0.846	
Bromochloromethane	ND	1.7	0.58	0.846		c-1,3-Dichloropropene	ND	0.85	0.21	0.846	
Bromodichloromethane	ND	0.85	0.29	0.846		t-1,3-Dichloropropene	ND	1.7	0.18	0.846	
Bromoform	ND	4.2	0.62	0.846		Ethylbenzene	ND	0.85	0.24	0.846	
Bromomethane	ND	17	1.2	0.846		2-Hexanone	ND	17	3.0	0.846	
2-Butanone	ND	17	3.2	0.846		Isopropylbenzene	ND	0.85	0.26	0.846	
n-Butylbenzene	ND	0.85	0.17	0.846		p-Isopropyltoluene	ND	0.85	0.31	0.846	
sec-Butylbenzene	ND	0.85	0.075	0.846		Methylene Chloride	ND	8.5	3.9	0.846	
tert-Butylbenzene	ND	0.85	0.12	0.846		4-Methyl-2-Pentanone	ND	17	0.79	0.846	
Carbon Disulfide	ND	8.5	0.43	0.846		Naphthalene	ND	8.5	0.72	0.846	
Carbon Tetrachloride	ND	0.85	0.37	0.846		n-Propylbenzene	ND	0.85	0.31	0.846	
Chlorobenzene	ND	0.85	0.20	0.846		Styrene	ND	0.85	0.21	0.846	
Chloroethane	ND	1.7	0.42	0.846		1,1,1,2-Tetrachloroethane	ND	0.85	0.32	0.846	
Chloroform	ND	0.85	0.32	0.846		1,1,2,2-Tetrachloroethane	ND	1.7	0.19	0.846	
Chloromethane	ND	17	1.1	0.846		Tetrachloroethene	ND	0.85	0.25	0.846	
2-Chlorotoluene	ND	0.85	0.22	0.846		Toluene	ND	0.85	0.25	0.846	
4-Chlorotoluene	ND	0.85	0.17	0.846		1,2,3-Trichlorobenzene	ND	1.7	0.30	0.846	
Dibromochloromethane	ND	1.7	0.28	0.846		1,2,4-Trichlorobenzene	ND	1.7	0.33	0.846	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.5	0.846		1,1,1-Trichloroethane	ND	0.85	0.31	0.846	
1,2-Dibromoethane	ND	0.85	0.35	0.846		1,1,2-Trichloroethane	ND	0.85	0.45	0.846	
Dibromomethane	ND	0.85	0.36	0.846		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.5	0.33	0.846	
1,2-Dichlorobenzene	ND	0.85	0.22	0.846		Trichloroethene	ND	1.7	0.27	0.846	
1,3-Dichlorobenzene	ND	0.85	0.17	0.846		Trichlorofluoromethane	ND	8.5	0.25	0.846	
1,4-Dichlorobenzene	ND	0.85	0.33	0.846		1,2,3-Trichloropropane	ND	1.7	0.71	0.846	
Dichlorodifluoromethane	ND	1.7	0.52	0.846		1,2,4-Trimethylbenzene	ND	1.7	0.29	0.846	
1,1-Dichloroethane	ND	0.85	0.38	0.846		1,3,5-Trimethylbenzene	ND	1.7	0.24	0.846	
1,2-Dichloroethane	ND	0.85	0.20	0.846		Vinyl Acetate	ND	8.5	2.2	0.846	
1,1-Dichloroethene	ND	0.85	0.16	0.846		Vinyl Chloride	ND	0.85	0.39	0.846	
c-1,2-Dichloroethene	ND	0.85	0.29	0.846		p/m-Xylene	ND	1.7	0.49	0.846	
t-1,2-Dichloroethene	ND	0.85	0.38	0.846		o-Xylene	0.30	0.85	0.20	0.846	J,B
1,2-Dichloropropane	ND	0.85	0.23	0.846		Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.21	0.846	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	65-157		Toluene-d8	100	51-144	
1,4-Bromofluorobenzene	99	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB07-02	04-03-0917-31	03/15/04	Solid	03/16/04	03/18/04	040318L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	45	18	2.8	0.906	
Benzene	ND	0.91	0.14	0.906	
Bromobenzene	ND	0.91	0.17	0.906	
Bromochloromethane	ND	1.8	0.62	0.906	
Bromodichloromethane	ND	0.91	0.31	0.906	
Bromoform	ND	4.5	0.67	0.906	
Bromomethane	ND	18	1.3	0.906	
2-Butanone	11	18	3.4	0.906	J
n-Butylbenzene	ND	0.91	0.18	0.906	
sec-Butylbenzene	ND	0.91	0.081	0.906	
tert-Butylbenzene	ND	0.91	0.13	0.906	
Carbon Disulfide	1.2	9.1	0.46	0.906	J
Carbon Tetrachloride	ND	0.91	0.40	0.906	
Chlorobenzene	ND	0.91	0.22	0.906	
Chloroethane	ND	1.8	0.45	0.906	
Chloroform	ND	0.91	0.34	0.906	
Chloromethane	ND	18	1.2	0.906	
2-Chlorotoluene	ND	0.91	0.24	0.906	
4-Chlorotoluene	ND	0.91	0.18	0.906	
Dibromochloromethane	ND	1.8	0.30	0.906	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	0.906	
1,2-Dibromoethane	ND	0.91	0.38	0.906	
Dibromomethane	ND	0.91	0.39	0.906	
1,2-Dichlorobenzene	ND	0.91	0.23	0.906	
1,3-Dichlorobenzene	ND	0.91	0.18	0.906	
1,4-Dichlorobenzene	ND	0.91	0.36	0.906	
Dichlorodifluoromethane	ND	1.8	0.56	0.906	
1,1-Dichloroethane	ND	0.91	0.41	0.906	
1,2-Dichloroethane	ND	0.91	0.21	0.906	
1,1-Dichloroethene	ND	0.91	0.17	0.906	
c-1,2-Dichloroethene	ND	0.91	0.31	0.906	
t-1,2-Dichloroethene	ND	0.91	0.41	0.906	
1,2-Dichloropropane	ND	0.91	0.24	0.906	

Parameter	Result	RL	MDL	DF	Qual
1,3-Dichloropropane	ND	0.91	0.20	0.906	
2,2-Dichloropropane	ND	4.5	0.54	0.906	
1,1-Dichloropropene	ND	1.8	0.44	0.906	
c-1,3-Dichloropropene	ND	0.91	0.23	0.906	
t-1,3-Dichloropropene	ND	1.8	0.19	0.906	
Ethylbenzene	ND	0.91	0.26	0.906	
2-Hexanone	ND	18	3.2	0.906	
Isopropylbenzene	ND	0.91	0.28	0.906	
p-Isopropyltoluene	ND	0.91	0.33	0.906	
Methylene Chloride	ND	9.1	4.2	0.906	
4-Methyl-2-Pentanone	ND	18	0.85	0.906	
Naphthalene	ND	9.1	0.77	0.906	
n-Propylbenzene	ND	0.91	0.33	0.906	
Styrene	ND	0.91	0.22	0.906	
1,1,1,2-Tetrachloroethane	ND	0.91	0.35	0.906	
1,1,2,2-Tetrachloroethane	ND	1.8	0.20	0.906	
Tetrachloroethene	ND	0.91	0.27	0.906	
Toluene	ND	0.91	0.27	0.906	
1,2,3-Trichlorobenzene	ND	1.8	0.32	0.906	
1,2,4-Trichlorobenzene	ND	1.8	0.36	0.906	
1,1,1-Trichloroethane	ND	0.91	0.34	0.906	
1,1,2-Trichloroethane	ND	0.91	0.48	0.906	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.1	0.35	0.906	
Trichloroethene	ND	1.8	0.29	0.906	
Trichlorofluoromethane	ND	9.1	0.27	0.906	
1,2,3-Trichloropropane	ND	1.8	0.76	0.906	
1,2,4-Trimethylbenzene	ND	1.8	0.32	0.906	
1,3,5-Trimethylbenzene	ND	1.8	0.26	0.906	
Vinyl Acetate	ND	9.1	2.3	0.906	
Vinyl Chloride	ND	0.91	0.42	0.906	
p/m-Xylene	ND	1.8	0.52	0.906	
o-Xylene	0.31	0.91	0.21	0.906	J,B
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.22	0.906	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	65-157	
1,4-Bromofluorobenzene	100	49-141	
Toluene-d8	100	51-144	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB04-01	04-03-0917-33	03/15/04	Solid	03/16/04	03/18/04	040318L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	15	17	2.6	0.845	J
Benzene	0.34	0.85	0.13	0.845	J
Bromobenzene	ND	0.85	0.15	0.845	
Bromochloromethane	ND	1.7	0.58	0.845	
Bromodichloromethane	ND	0.85	0.29	0.845	
Bromoform	ND	4.2	0.62	0.845	
Bromomethane	ND	17	1.2	0.845	
2-Butanone	ND	17	3.2	0.845	
n-Butylbenzene	ND	0.85	0.17	0.845	
sec-Butylbenzene	ND	0.85	0.075	0.845	
tert-Butylbenzene	ND	0.85	0.12	0.845	
Carbon Disulfide	ND	8.5	0.43	0.845	
Carbon Tetrachloride	ND	0.85	0.37	0.845	
Chlorobenzene	ND	0.85	0.20	0.845	
Chloroethane	ND	1.7	0.42	0.845	
Chloroform	ND	0.85	0.32	0.845	
Chloromethane	ND	17	1.1	0.845	
2-Chlorotoluene	ND	0.85	0.22	0.845	
4-Chlorotoluene	ND	0.85	0.17	0.845	
Dibromochloromethane	ND	1.7	0.28	0.845	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.5	0.845	
1,2-Dibromoethane	ND	0.85	0.35	0.845	
Dibromomethane	ND	0.85	0.36	0.845	
1,2-Dichlorobenzene	ND	0.85	0.21	0.845	
1,3-Dichlorobenzene	ND	0.85	0.17	0.845	
1,4-Dichlorobenzene	ND	0.85	0.33	0.845	
Dichlorodifluoromethane	ND	1.7	0.52	0.845	
1,1-Dichloroethane	ND	0.85	0.38	0.845	
1,2-Dichloroethane	ND	0.85	0.20	0.845	
1,1-Dichloroethene	ND	0.85	0.16	0.845	
c-1,2-Dichloroethene	ND	0.85	0.29	0.845	
t-1,2-Dichloroethene	ND	0.85	0.38	0.845	
1,2-Dichloropropane	ND	0.85	0.23	0.845	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	65-157	
1,4-Bromofluorobenzene	100	49-141	

Parameter	Result	RL	MDL	DF	Qual
1,3-Dichloropropane	ND	0.85	0.19	0.845	
2,2-Dichloropropane	ND	4.2	0.51	0.845	
1,1-Dichloropropene	ND	1.7	0.41	0.845	
c-1,3-Dichloropropene	ND	0.85	0.21	0.845	
t-1,3-Dichloropropene	ND	1.7	0.18	0.845	
Ethylbenzene	ND	0.85	0.24	0.845	
2-Hexanone	ND	17	3.0	0.845	
Isopropylbenzene	ND	0.85	0.26	0.845	
p-Isopropyltoluene	ND	0.85	0.31	0.845	
Methylene Chloride	ND	8.5	3.9	0.845	
4-Methyl-2-Pentanone	ND	17	0.79	0.845	
Naphthalene	ND	8.5	0.72	0.845	
n-Propylbenzene	ND	0.85	0.31	0.845	
Styrene	ND	0.85	0.20	0.845	
1,1,1,2-Tetrachloroethane	ND	0.85	0.32	0.845	
1,1,2,2-Tetrachloroethane	ND	1.7	0.19	0.845	
Tetrachloroethene	ND	0.85	0.25	0.845	
Toluene	0.33	0.85	0.25	0.845	J
1,2,3-Trichlorobenzene	ND	1.7	0.30	0.845	
1,2,4-Trichlorobenzene	ND	1.7	0.33	0.845	
1,1,1-Trichloroethane	ND	0.85	0.31	0.845	
1,1,2-Trichloroethane	ND	0.85	0.45	0.845	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.5	0.33	0.845	
Trichloroethene	ND	1.7	0.27	0.845	
Trichlorofluoromethane	ND	8.5	0.25	0.845	
1,2,3-Trichloropropane	ND	1.7	0.71	0.845	
1,2,4-Trimethylbenzene	ND	1.7	0.29	0.845	
1,3,5-Trimethylbenzene	ND	1.7	0.24	0.845	
Vinyl Acetate	ND	8.5	2.2	0.845	
Vinyl Chloride	ND	0.85	0.39	0.845	
p/m-Xylene	ND	1.7	0.49	0.845	
o-Xylene	0.30	0.85	0.20	0.845	J,B
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.21	0.845	

Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	101	51-144	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 5035
Method:	EPA 8260B
Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB04-02	04-03-0917-34	03/15/04	Solid	03/16/04	03/18/04	040318L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	3.9	17.0	2.6	0.832	J	1,3-Dichloropropane	ND	0.83	0.18	0.832	
Benzene	0.26	0.83	0.13	0.832	J	2,2-Dichloropropane	ND	4.2	0.50	0.832	
Bromobenzene	ND	0.83	0.15	0.832		1,1-Dichloropropene	ND	1.7	0.40	0.832	
Bromochloromethane	ND	1.7	0.57	0.832		c-1,3-Dichloropropene	ND	0.83	0.21	0.832	
Bromodichloromethane	ND	0.83	0.28	0.832		t-1,3-Dichloropropene	ND	1.7	0.17	0.832	
Bromoform	ND	4.2	0.61	0.832		Ethylbenzene	ND	0.83	0.24	0.832	
Bromomethane	1.9	17.0	1.2	0.832	J	2-Hexanone	ND	17	2.9	0.832	
2-Butanone	ND	17	3.1	0.832		Isopropylbenzene	ND	0.83	0.26	0.832	
n-Butylbenzene	ND	0.83	0.17	0.832		p-Isopropyltoluene	ND	0.83	0.30	0.832	
sec-Butylbenzene	ND	0.83	0.074	0.832		Methylene Chloride	ND	8.3	3.8	0.832	
tert-Butylbenzene	ND	0.83	0.12	0.832		4-Methyl-2-Pentanone	ND	17	0.78	0.832	
Carbon Disulfide	ND	8.3	0.42	0.832		Naphthalene	ND	8.3	0.71	0.832	
Carbon Tetrachloride	ND	0.83	0.36	0.832		n-Propylbenzene	ND	0.83	0.30	0.832	
Chlorobenzene	ND	0.83	0.20	0.832		Styrene	ND	0.83	0.20	0.832	
Chloroethane	ND	1.7	0.42	0.832		1,1,1,2-Tetrachloroethane	ND	0.83	0.32	0.832	
Chloroform	ND	0.83	0.31	0.832		1,1,2,2-Tetrachloroethane	ND	1.7	0.18	0.832	
Chloromethane	ND	17	1.1	0.832		Tetrachloroethene	ND	0.83	0.25	0.832	
2-Chlorotoluene	ND	0.83	0.22	0.832		Toluene	0.32	0.83	0.25	0.832	J
4-Chlorotoluene	ND	0.83	0.17	0.832		1,2,3-Trichlorobenzene	ND	1.7	0.29	0.832	
Dibromochloromethane	ND	1.7	0.27	0.832		1,2,4-Trichlorobenzene	ND	1.7	0.33	0.832	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.4	0.832		1,1,1-Trichloroethane	ND	0.83	0.31	0.832	
1,2-Dibromoethane	ND	0.83	0.35	0.832		1,1,2-Trichloroethane	ND	0.83	0.44	0.832	
Dibromomethane	ND	0.83	0.36	0.832		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.3	0.32	0.832	
1,2-Dichlorobenzene	ND	0.83	0.21	0.832		Trichloroethene	ND	1.7	0.27	0.832	
1,3-Dichlorobenzene	ND	0.83	0.17	0.832		Trichlorofluoromethane	ND	8.3	0.25	0.832	
1,4-Dichlorobenzene	ND	0.83	0.33	0.832		1,2,3-Trichloropropane	ND	1.7	0.70	0.832	
Dichlorodifluoromethane	ND	1.7	0.51	0.832		1,2,4-Trimethylbenzene	ND	1.7	0.29	0.832	
1,1-Dichloroethane	ND	0.83	0.38	0.832		1,3,5-Trimethylbenzene	ND	1.7	0.23	0.832	
1,2-Dichloroethane	ND	0.83	0.19	0.832		Vinyl Acetate	ND	8.3	2.1	0.832	
1,1-Dichloroethene	ND	0.83	0.15	0.832		Vinyl Chloride	ND	0.83	0.38	0.832	
c-1,2-Dichloroethene	ND	0.83	0.29	0.832		p/m-Xylene	ND	1.7	0.48	0.832	
t-1,2-Dichloroethene	ND	0.83	0.38	0.832		o-Xylene	0.30	0.83	0.19	0.832	J,B
1,2-Dichloropropane	ND	0.83	0.22	0.832		Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.20	0.832	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	65-157		Toluene-d8	100	51-144	
1,4-Bromofluorobenzene	99	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB13-01	04-03-0917-36	03/15/04	Solid	03/16/04	03/18/04	040318L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	18	16	2.5	0.812	
Benzene	0.40	0.81	0.13	0.812	J
Bromobenzene	ND	0.81	0.15	0.812	
Bromochloromethane	ND	1.6	0.56	0.812	
Bromodichloromethane	ND	0.81	0.27	0.812	
Bromoform	ND	4.1	0.60	0.812	
Bromomethane	ND	16	1.2	0.812	
2-Butanone	ND	16	3.1	0.812	
n-Butylbenzene	ND	0.81	0.16	0.812	
sec-Butylbenzene	ND	0.81	0.072	0.812	
tert-Butylbenzene	ND	0.81	0.11	0.812	
Carbon Disulfide	ND	8.1	0.41	0.812	
Carbon Tetrachloride	ND	0.81	0.36	0.812	
Chlorobenzene	ND	0.81	0.19	0.812	
Chloroethane	ND	1.6	0.41	0.812	
Chloroform	ND	0.81	0.30	0.812	
Chloromethane	ND	16	1.1	0.812	
2-Chlorotoluene	ND	0.81	0.21	0.812	
4-Chlorotoluene	ND	0.81	0.17	0.812	
Dibromochloromethane	ND	1.6	0.27	0.812	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.812	
1,2-Dibromoethane	ND	0.81	0.34	0.812	
Dibromomethane	ND	0.81	0.35	0.812	
1,2-Dichlorobenzene	ND	0.81	0.21	0.812	
1,3-Dichlorobenzene	ND	0.81	0.16	0.812	
1,4-Dichlorobenzene	ND	0.81	0.32	0.812	
Dichlorodifluoromethane	ND	1.6	0.50	0.812	
1,1-Dichloroethane	ND	0.81	0.37	0.812	
1,2-Dichloroethane	ND	0.81	0.19	0.812	
1,1-Dichloroethene	ND	0.81	0.15	0.812	
c-1,2-Dichloroethene	ND	0.81	0.28	0.812	
t-1,2-Dichloroethene	ND	0.81	0.37	0.812	
1,2-Dichloropropane	ND	0.81	0.22	0.812	

Parameter	Result	RL	MDL	DF	Qual
1,3-Dichloropropane	ND	0.81	0.18	0.812	
2,2-Dichloropropane	ND	4.1	0.49	0.812	
1,1-Dichloropropene	ND	1.6	0.39	0.812	
c-1,3-Dichloropropene	ND	0.81	0.20	0.812	
t-1,3-Dichloropropene	ND	1.6	0.17	0.812	
Ethylbenzene	ND	0.81	0.23	0.812	
2-Hexanone	ND	16	2.9	0.812	
Isopropylbenzene	ND	0.81	0.25	0.812	
p-Isopropyltoluene	ND	0.81	0.30	0.812	
Methylene Chloride	ND	8.1	3.8	0.812	
4-Methyl-2-Pentanone	ND	16	0.76	0.812	
Naphthalene	ND	8.1	0.69	0.812	
n-Propylbenzene	ND	0.81	0.29	0.812	
Styrene	ND	0.81	0.20	0.812	
1,1,1,2-Tetrachloroethane	ND	0.81	0.31	0.812	
1,1,2,2-Tetrachloroethane	ND	1.6	0.18	0.812	
Tetrachloroethene	ND	0.81	0.24	0.812	
Toluene	0.39	0.81	0.24	0.812	J
1,2,3-Trichlorobenzene	ND	1.6	0.29	0.812	
1,2,4-Trichlorobenzene	ND	1.6	0.32	0.812	
1,1,1-Trichloroethane	ND	0.81	0.30	0.812	
1,1,2-Trichloroethane	ND	0.81	0.43	0.812	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.1	0.31	0.812	
Trichloroethene	ND	1.6	0.26	0.812	
Trichlorofluoromethane	ND	8.1	0.24	0.812	
1,2,3-Trichloropropane	ND	1.6	0.68	0.812	
1,2,4-Trimethylbenzene	ND	1.6	0.28	0.812	
1,3,5-Trimethylbenzene	ND	1.6	0.23	0.812	
Vinyl Acetate	ND	8.1	2.1	0.812	
Vinyl Chloride	ND	0.81	0.37	0.812	
p/m-Xylene	ND	1.6	0.47	0.812	
o-Xylene	0.29	0.81	0.19	0.812	J,B
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.20	0.812	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	65-157	
1,4-Bromofluorobenzene	99	49-141	
Toluene-d8	100	51-144	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB13-02	04-03-0917-37	03/15/04	Solid	03/16/04	03/19/04	040318L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	47	17	2.7	0.862		1,3-Dichloropropane	ND	0.86	0.19	0.862	
Benzene	0.21	0.86	0.14	0.862	J	2,2-Dichloropropane	ND	4.3	0.52	0.862	
Bromobenzene	ND	0.86	0.16	0.862		1,1-Dichloropropene	ND	1.7	0.42	0.862	
Bromochloromethane	ND	1.7	0.59	0.862		c-1,3-Dichloropropene	ND	0.86	0.22	0.862	
Bromodichloromethane	ND	0.86	0.29	0.862		t-1,3-Dichloropropene	ND	1.7	0.18	0.862	
Bromoform	ND	4.3	0.64	0.862		Ethylbenzene	ND	0.86	0.25	0.862	
Bromomethane	1.5	17.0	1.3	0.862	J	2-Hexanone	ND	17	3.0	0.862	
2-Butanone	9.3	17.0	3.3	0.862	J	Isopropylbenzene	ND	0.86	0.27	0.862	
n-Butylbenzene	ND	0.86	0.17	0.862		p-Isopropyltoluene	ND	0.86	0.31	0.862	
sec-Butylbenzene	ND	0.86	0.077	0.862		Methylene Chloride	ND	8.6	4.0	0.862	
tert-Butylbenzene	ND	0.86	0.12	0.862		4-Methyl-2-Pentanone	ND	17	0.81	0.862	
Carbon Disulfide	0.45	8.6	0.43	0.862	J	Naphthalene	ND	8.6	0.73	0.862	
Carbon Tetrachloride	ND	0.86	0.38	0.862		n-Propylbenzene	ND	0.86	0.31	0.862	
Chlorobenzene	ND	0.86	0.21	0.862		Styrene	ND	0.86	0.21	0.862	
Chloroethane	ND	1.7	0.43	0.862		1,1,1,2-Tetrachloroethane	ND	0.86	0.33	0.862	
Chloroform	ND	0.86	0.32	0.862		1,1,2,2-Tetrachloroethane	ND	1.7	0.19	0.862	
Chloromethane	ND	17	1.1	0.862		Tetrachloroethene	ND	0.86	0.26	0.862	
2-Chlorotoluene	ND	0.86	0.23	0.862		Toluene	0.27	0.86	0.26	0.862	J
4-Chlorotoluene	ND	0.86	0.18	0.862		1,2,3-Trichlorobenzene	ND	1.7	0.30	0.862	
Dibromochloromethane	ND	1.7	0.28	0.862		1,2,4-Trichlorobenzene	ND	1.7	0.34	0.862	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.5	0.862		1,1,1-Trichloroethane	ND	0.86	0.32	0.862	
1,2-Dibromoethane	ND	0.86	0.36	0.862		1,1,2-Trichloroethane	ND	0.86	0.45	0.862	
Dibromomethane	ND	0.86	0.37	0.862		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.6	0.33	0.862	
1,2-Dichlorobenzene	ND	0.86	0.22	0.862		Trichloroethene	ND	1.7	0.28	0.862	
1,3-Dichlorobenzene	ND	0.86	0.17	0.862		Trichlorofluoromethane	ND	8.6	0.26	0.862	
1,4-Dichlorobenzene	ND	0.86	0.34	0.862		1,2,3-Trichloropropane	ND	1.7	0.72	0.862	
Dichlorodifluoromethane	ND	1.7	0.53	0.862		1,2,4-Trimethylbenzene	ND	1.7	0.30	0.862	
1,1-Dichloroethane	ND	0.86	0.39	0.862		1,3,5-Trimethylbenzene	ND	1.7	0.24	0.862	
1,2-Dichloroethane	ND	0.86	0.20	0.862		Vinyl Acetate	ND	8.6	2.2	0.862	
1,1-Dichloroethene	ND	0.86	0.16	0.862		Vinyl Chloride	ND	0.86	0.40	0.862	
c-1,2-Dichloroethene	0.86	0.86	0.30	0.862	J	p/m-Xylene	ND	1.7	0.50	0.862	
t-1,2-Dichloroethene	ND	0.86	0.39	0.862		o-Xylene	0.32	0.86	0.20	0.862	J,B
1,2-Dichloropropane	ND	0.86	0.23	0.862		Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.21	0.862	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	65-157		Toluene-d8	101	51-144	
1,4-Bromofluorobenzene	99	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB11-01	04-03-0917-39	03/15/04	Solid	03/16/04	03/19/04	040318L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	17	2.6	0.829		1,3-Dichloropropane	ND	0.83	0.18	0.829	
Benzene	1.2	0.8	0.13	0.829		2,2-Dichloropropane	ND	4.1	0.50	0.829	
Bromobenzene	ND	0.83	0.15	0.829		1,1-Dichloropropene	ND	1.7	0.40	0.829	
Bromochloromethane	ND	1.7	0.57	0.829		c-1,3-Dichloropropene	ND	0.83	0.21	0.829	
Bromodichloromethane	ND	0.83	0.28	0.829		t-1,3-Dichloropropene	ND	1.7	0.17	0.829	
Bromoform	ND	4.1	0.61	0.829		Ethylbenzene	ND	0.83	0.24	0.829	
Bromomethane	2.1	17.0	1.2	0.829	J	2-Hexanone	ND	17	2.9	0.829	
2-Butanone	ND	17	3.1	0.829		Isopropylbenzene	ND	0.83	0.26	0.829	
n-Butylbenzene	ND	0.83	0.17	0.829		p-Isopropyltoluene	ND	0.83	0.30	0.829	
sec-Butylbenzene	ND	0.83	0.074	0.829		Methylene Chloride	ND	8.3	3.8	0.829	
tert-Butylbenzene	ND	0.83	0.12	0.829		4-Methyl-2-Pentanone	ND	17	0.78	0.829	
Carbon Disulfide	ND	8.3	0.42	0.829		Naphthalene	ND	8.3	0.70	0.829	
Carbon Tetrachloride	ND	0.83	0.36	0.829		n-Propylbenzene	ND	0.83	0.30	0.829	
Chlorobenzene	ND	0.83	0.20	0.829		Styrene	ND	0.83	0.20	0.829	
Chloroethane	ND	1.7	0.42	0.829		1,1,1,2-Tetrachloroethane	ND	0.83	0.32	0.829	
Chloroform	ND	0.83	0.31	0.829		1,1,2,2-Tetrachloroethane	ND	1.7	0.18	0.829	
Chloromethane	ND	17	1.1	0.829		Tetrachloroethene	ND	0.83	0.25	0.829	
2-Chlorotoluene	ND	0.83	0.22	0.829		Toluene	1.3	0.8	0.25	0.829	
4-Chlorotoluene	ND	0.83	0.17	0.829		1,2,3-Trichlorobenzene	ND	1.7	0.29	0.829	
Dibromochloromethane	ND	1.7	0.27	0.829		1,2,4-Trichlorobenzene	ND	1.7	0.33	0.829	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.829		1,1,1-Trichloroethane	ND	0.83	0.31	0.829	
1,2-Dibromoethane	ND	0.83	0.35	0.829		1,1,2-Trichloroethane	ND	0.83	0.44	0.829	
Dibromomethane	ND	0.83	0.35	0.829		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.3	0.32	0.829	
1,2-Dichlorobenzene	ND	0.83	0.21	0.829		Trichloroethene	ND	1.7	0.27	0.829	
1,3-Dichlorobenzene	ND	0.83	0.17	0.829		Trichlorofluoromethane	ND	8.3	0.25	0.829	
1,4-Dichlorobenzene	ND	0.83	0.33	0.829		1,2,3-Trichloropropane	ND	1.7	0.69	0.829	
Dichlorodifluoromethane	ND	1.7	0.51	0.829		1,2,4-Trimethylbenzene	ND	1.7	0.29	0.829	
1,1-Dichloroethane	ND	0.83	0.38	0.829		1,3,5-Trimethylbenzene	ND	1.7	0.23	0.829	
1,2-Dichloroethane	ND	0.83	0.19	0.829		Vinyl Acetate	ND	8.3	2.1	0.829	
1,1-Dichloroethene	ND	0.83	0.15	0.829		Vinyl Chloride	ND	0.83	0.38	0.829	
c-1,2-Dichloroethene	ND	0.83	0.29	0.829		p/m-Xylene	ND	1.7	0.48	0.829	
t-1,2-Dichloroethene	ND	0.83	0.38	0.829		o-Xylene	0.37	0.83	0.19	0.829	J,B
1,2-Dichloropropane	ND	0.83	0.22	0.829		Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.20	0.829	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	65-157		Toluene-d8	100	51-144	
1,4-Bromofluorobenzene	99	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB11-02	04-03-0917-40	03/15/04	Solid	03/16/04	03/19/04	040318L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	3.4	17.0	2.6	0.847	J	1,3-Dichloropropane	ND	0.85	0.19	0.847	
Benzene	0.18	0.85	0.13	0.847	J	2,2-Dichloropropane	ND	4.2	0.51	0.847	
Bromobenzene	ND	0.85	0.15	0.847		1,1-Dichloropropene	ND	1.7	0.41	0.847	
Bromochloromethane	ND	1.7	0.58	0.847		c-1,3-Dichloropropene	ND	0.85	0.21	0.847	
Bromodichloromethane	ND	0.85	0.29	0.847		t-1,3-Dichloropropene	ND	1.7	0.18	0.847	
Bromoform	ND	4.2	0.62	0.847		Ethylbenzene	ND	0.85	0.24	0.847	
Bromomethane	1.3	17.0	1.2	0.847	J	2-Hexanone	ND	17	3.0	0.847	
2-Butanone	ND	17	3.2	0.847		Isopropylbenzene	ND	0.85	0.26	0.847	
n-Butylbenzene	ND	0.85	0.17	0.847		p-Isopropyltoluene	ND	0.85	0.31	0.847	
sec-Butylbenzene	ND	0.85	0.075	0.847		Methylene Chloride	ND	8.5	3.9	0.847	
tert-Butylbenzene	ND	0.85	0.12	0.847		4-Methyl-2-Pentanone	ND	17	0.79	0.847	
Carbon Disulfide	ND	8.5	0.43	0.847		Naphthalene	ND	8.5	0.72	0.847	
Carbon Tetrachloride	ND	0.85	0.37	0.847		n-Propylbenzene	ND	0.85	0.31	0.847	
Chlorobenzene	ND	0.85	0.20	0.847		Styrene	ND	0.85	0.21	0.847	
Chloroethane	ND	1.7	0.42	0.847		1,1,1,2-Tetrachloroethane	ND	0.85	0.32	0.847	
Chloroform	ND	0.85	0.32	0.847		1,1,2,2-Tetrachloroethane	ND	1.7	0.19	0.847	
Chloromethane	ND	17	1.1	0.847		Tetrachloroethene	ND	0.85	0.25	0.847	
2-Chlorotoluene	ND	0.85	0.22	0.847		Toluene	0.29	0.85	0.25	0.847	J
4-Chlorotoluene	ND	0.85	0.17	0.847		1,2,3-Trichlorobenzene	ND	1.7	0.30	0.847	
Dibromochloromethane	ND	1.7	0.28	0.847		1,2,4-Trichlorobenzene	ND	1.7	0.33	0.847	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.5	0.847		1,1,1-Trichloroethane	ND	0.85	0.31	0.847	
1,2-Dibromoethane	ND	0.85	0.35	0.847		1,1,2-Trichloroethane	ND	0.85	0.45	0.847	
Dibromomethane	ND	0.85	0.36	0.847		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.5	0.33	0.847	
1,2-Dichlorobenzene	ND	0.85	0.22	0.847		Trichloroethene	ND	1.7	0.27	0.847	
1,3-Dichlorobenzene	ND	0.85	0.17	0.847		Trichlorofluoromethane	ND	8.5	0.25	0.847	
1,4-Dichlorobenzene	ND	0.85	0.33	0.847		1,2,3-Trichloropropane	ND	1.7	0.71	0.847	
Dichlorodifluoromethane	ND	1.7	0.52	0.847		1,2,4-Trimethylbenzene	ND	1.7	0.29	0.847	
1,1-Dichloroethane	ND	0.85	0.38	0.847		1,3,5-Trimethylbenzene	ND	1.7	0.24	0.847	
1,2-Dichloroethane	ND	0.85	0.20	0.847		Vinyl Acetate	ND	8.5	2.2	0.847	
1,1-Dichloroethene	ND	0.85	0.16	0.847		Vinyl Chloride	ND	0.85	0.39	0.847	
c-1,2-Dichloroethene	ND	0.85	0.29	0.847		p/m-Xylene	ND	1.7	0.49	0.847	
t-1,2-Dichloroethene	ND	0.85	0.39	0.847		o-Xylene	0.31	0.85	0.20	0.847	J,B
1,2-Dichloropropane	ND	0.85	0.23	0.847		Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.21	0.847	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	65-157		Toluene-d8	101	51-144	
1,4-Bromofluorobenzene	98	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB06-01	04-03-0917-42	03/15/04	Solid	03/16/04	03/19/04	040318L01

Parameter	Result	RL	MDL	DF	Qual
Acetone	4.9	16.0	2.5	0.817	J
Benzene	1.4	0.8	0.13	0.817	
Bromobenzene	ND	0.82	0.15	0.817	
Bromochloromethane	ND	1.6	0.56	0.817	
Bromodichloromethane	ND	0.82	0.28	0.817	
Bromoform	ND	4.1	0.60	0.817	
Bromomethane	ND	16	1.2	0.817	
2-Butanone	ND	16	3.1	0.817	
n-Butylbenzene	ND	0.82	0.16	0.817	
sec-Butylbenzene	ND	0.82	0.073	0.817	
tert-Butylbenzene	ND	0.82	0.12	0.817	
Carbon Disulfide	ND	8.2	0.41	0.817	
Carbon Tetrachloride	ND	0.82	0.36	0.817	
Chlorobenzene	ND	0.82	0.20	0.817	
Chloroethane	ND	1.6	0.41	0.817	
Chloroform	ND	0.82	0.31	0.817	
Chloromethane	ND	16	1.1	0.817	
2-Chlorotoluene	ND	0.82	0.22	0.817	
4-Chlorotoluene	ND	0.82	0.17	0.817	
Dibromochloromethane	ND	1.6	0.27	0.817	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.817	
1,2-Dibromoethane	ND	0.82	0.34	0.817	
Dibromomethane	ND	0.82	0.35	0.817	
1,2-Dichlorobenzene	ND	0.82	0.21	0.817	
1,3-Dichlorobenzene	ND	0.82	0.16	0.817	
1,4-Dichlorobenzene	ND	0.82	0.32	0.817	
Dichlorodifluoromethane	ND	1.6	0.50	0.817	
1,1-Dichloroethane	ND	0.82	0.37	0.817	
1,2-Dichloroethane	ND	0.82	0.19	0.817	
1,1-Dichloroethene	ND	0.82	0.15	0.817	
c-1,2-Dichloroethene	ND	0.82	0.28	0.817	
t-1,2-Dichloroethene	ND	0.82	0.37	0.817	
1,2-Dichloropropane	ND	0.82	0.22	0.817	

Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	65-157	
1,4-Bromofluorobenzene	100	49-141	

Parameter	Result	RL	MDL	DF	Qual
1,3-Dichloropropane	ND	0.82	0.18	0.817	
2,2-Dichloropropane	ND	4.1	0.49	0.817	
1,1-Dichloropropene	ND	1.6	0.40	0.817	
c-1,3-Dichloropropene	ND	0.82	0.21	0.817	
t-1,3-Dichloropropene	ND	1.6	0.17	0.817	
Ethylbenzene	0.27	0.82	0.23	0.817	J
2-Hexanone	ND	16	2.9	0.817	
Isopropylbenzene	ND	0.82	0.25	0.817	
p-Isopropyltoluene	ND	0.82	0.30	0.817	
Methylene Chloride	ND	8.2	3.8	0.817	
4-Methyl-2-Pentanone	ND	16	0.77	0.817	
Naphthalene	ND	8.2	0.69	0.817	
n-Propylbenzene	ND	0.82	0.30	0.817	
Styrene	ND	0.82	0.20	0.817	
1,1,1,2-Tetrachloroethane	ND	0.82	0.31	0.817	
1,1,2,2-Tetrachloroethane	ND	1.6	0.18	0.817	
Tetrachloroethene	ND	0.82	0.25	0.817	
Toluene	1.5	0.8	0.24	0.817	
1,2,3-Trichlorobenzene	ND	1.6	0.29	0.817	
1,2,4-Trichlorobenzene	ND	1.6	0.32	0.817	
1,1,1-Trichloroethane	ND	0.82	0.30	0.817	
1,1,2-Trichloroethane	ND	0.82	0.43	0.817	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.2	0.32	0.817	
Trichloroethene	ND	1.6	0.26	0.817	
Trichlorofluoromethane	ND	8.2	0.24	0.817	
1,2,3-Trichloropropane	ND	1.6	0.68	0.817	
1,2,4-Trimethylbenzene	ND	1.6	0.28	0.817	
1,3,5-Trimethylbenzene	ND	1.6	0.23	0.817	
Vinyl Acetate	ND	8.2	2.1	0.817	
Vinyl Chloride	ND	0.82	0.38	0.817	
p/m-Xylene	ND	1.6	0.47	0.817	
o-Xylene	0.37	0.82	0.19	0.817	J,B
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.20	0.817	

Surrogates:	REC (%)	Control Limits	Qual
Toluene-d8	100	51-144	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB06-02	04-03-0917-43	03/15/04	Solid	03/16/04	03/19/04	040318L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	2.8	17.0	2.6	0.855	J	1,3-Dichloropropane	ND	0.86	0.19	0.855	
Benzene	0.29	0.86	0.13	0.855	J	2,2-Dichloropropane	ND	4.3	0.51	0.855	
Bromobenzene	ND	0.86	0.16	0.855		1,1-Dichloropropene	ND	1.7	0.42	0.855	
Bromochloromethane	ND	1.7	0.58	0.855		c-1,3-Dichloropropene	ND	0.86	0.22	0.855	
Bromodichloromethane	ND	0.86	0.29	0.855		t-1,3-Dichloropropene	ND	1.7	0.18	0.855	
Bromoform	ND	4.3	0.63	0.855		Ethylbenzene	ND	0.86	0.25	0.855	
Bromomethane	ND	17	1.2	0.855		2-Hexanone	ND	17	3.0	0.855	
2-Butanone	ND	17	3.2	0.855		Isopropylbenzene	ND	0.86	0.26	0.855	
n-Butylbenzene	ND	0.86	0.17	0.855		p-Isopropyltoluene	ND	0.86	0.31	0.855	
sec-Butylbenzene	ND	0.86	0.076	0.855		Methylene Chloride	ND	8.6	3.9	0.855	
tert-Butylbenzene	ND	0.86	0.12	0.855		4-Methyl-2-Pentanone	ND	17	0.80	0.855	
Carbon Disulfide	ND	8.6	0.43	0.855		Naphthalene	ND	8.6	0.73	0.855	
Carbon Tetrachloride	ND	0.86	0.37	0.855		n-Propylbenzene	ND	0.86	0.31	0.855	
Chlorobenzene	ND	0.86	0.21	0.855		Styrene	ND	0.86	0.21	0.855	
Chloroethane	ND	1.7	0.43	0.855		1,1,1,2-Tetrachloroethane	ND	0.86	0.33	0.855	
Chloroform	ND	0.86	0.32	0.855		1,1,2,2-Tetrachloroethane	ND	1.7	0.19	0.855	
Chloromethane	ND	17	1.1	0.855		Tetrachloroethene	ND	0.86	0.26	0.855	
2-Chlorotoluene	ND	0.86	0.23	0.855		Toluene	0.33	0.86	0.25	0.855	J
4-Chlorotoluene	ND	0.86	0.17	0.855		1,2,3-Trichlorobenzene	ND	1.7	0.30	0.855	
Dibromochloromethane	ND	1.7	0.28	0.855		1,2,4-Trichlorobenzene	ND	1.7	0.34	0.855	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.5	0.855		1,1,1-Trichloroethane	ND	0.86	0.32	0.855	
1,2-Dibromoethane	ND	0.86	0.36	0.855		1,1,2-Trichloroethane	ND	0.86	0.45	0.855	
Dibromomethane	ND	0.86	0.37	0.855		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.6	0.33	0.855	
1,2-Dichlorobenzene	ND	0.86	0.22	0.855		Trichloroethene	ND	1.7	0.27	0.855	
1,3-Dichlorobenzene	ND	0.86	0.17	0.855		Trichlorofluoromethane	ND	8.6	0.25	0.855	
1,4-Dichlorobenzene	ND	0.86	0.34	0.855		1,2,3-Trichloropropane	ND	1.7	0.72	0.855	
Dichlorodifluoromethane	ND	1.7	0.53	0.855		1,2,4-Trimethylbenzene	ND	1.7	0.30	0.855	
1,1-Dichloroethane	ND	0.86	0.39	0.855		1,3,5-Trimethylbenzene	ND	1.7	0.24	0.855	
1,2-Dichloroethane	ND	0.86	0.20	0.855		Vinyl Acetate	ND	8.6	2.2	0.855	
1,1-Dichloroethene	ND	0.86	0.16	0.855		Vinyl Chloride	ND	0.86	0.39	0.855	
c-1,2-Dichloroethene	ND	0.86	0.29	0.855		p/m-Xylene	ND	1.7	0.49	0.855	
t-1,2-Dichloroethene	ND	0.86	0.39	0.855		o-Xylene	0.32	0.86	0.20	0.855	J,B
1,2-Dichloropropane	ND	0.86	0.23	0.855		Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.21	0.855	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	65-157		Toluene-d8	100	51-144	
1,4-Bromofluorobenzene	99	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB03-01	04-03-0917-45	03/15/04	Solid	03/16/04	03/19/04	040319L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	3.3	18.0	2.7	0.876	J	1,3-Dichloropropane	ND	0.88	0.19	0.876	
Benzene	0.20	0.88	0.14	0.876	J	2,2-Dichloropropane	ND	4.4	0.53	0.876	
Bromobenzene	ND	0.88	0.16	0.876		1,1-Dichloropropene	ND	1.8	0.43	0.876	
Bromochloromethane	ND	1.8	0.60	0.876		c-1,3-Dichloropropene	ND	0.88	0.22	0.876	
Bromodichloromethane	ND	0.88	0.30	0.876		t-1,3-Dichloropropene	ND	1.8	0.18	0.876	
Bromoform	ND	4.4	0.65	0.876		Ethylbenzene	ND	0.88	0.25	0.876	
Bromomethane	ND	18	1.3	0.876		2-Hexanone	ND	18	3.1	0.876	
2-Butanone	ND	18	3.3	0.876		Isopropylbenzene	ND	0.88	0.27	0.876	
n-Butylbenzene	ND	0.88	0.18	0.876		p-Isopropyltoluene	ND	0.88	0.32	0.876	
sec-Butylbenzene	ND	0.88	0.078	0.876		Methylene Chloride	ND	8.8	4.0	0.876	
tert-Butylbenzene	ND	0.88	0.12	0.876		4-Methyl-2-Pentanone	ND	18	0.82	0.876	
Carbon Disulfide	ND	8.8	0.44	0.876		Naphthalene	ND	8.8	0.74	0.876	
Carbon Tetrachloride	ND	0.88	0.38	0.876		n-Propylbenzene	ND	0.88	0.32	0.876	
Chlorobenzene	ND	0.88	0.21	0.876		Styrene	ND	0.88	0.21	0.876	
Chloroethane	ND	1.8	0.44	0.876		1,1,1,2-Tetrachloroethane	ND	0.88	0.33	0.876	
Chloroform	ND	0.88	0.33	0.876		1,1,2,2-Tetrachloroethane	ND	1.8	0.19	0.876	
Chloromethane	ND	18	1.2	0.876		Tetrachloroethene	ND	0.88	0.26	0.876	
2-Chlorotoluene	ND	0.88	0.23	0.876		Toluene	ND	0.88	0.26	0.876	
4-Chlorotoluene	ND	0.88	0.18	0.876		1,2,3-Trichlorobenzene	ND	1.8	0.31	0.876	
Dibromochloromethane	ND	1.8	0.29	0.876		1,2,4-Trichlorobenzene	ND	1.8	0.34	0.876	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.876		1,1,1-Trichloroethane	ND	0.88	0.32	0.876	
1,2-Dibromoethane	ND	0.88	0.37	0.876		1,1,2-Trichloroethane	ND	0.88	0.46	0.876	
Dibromomethane	ND	0.88	0.37	0.876		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.8	0.34	0.876	
1,2-Dichlorobenzene	ND	0.88	0.22	0.876		Trichloroethene	ND	1.8	0.28	0.876	
1,3-Dichlorobenzene	ND	0.88	0.18	0.876		Trichlorofluoromethane	ND	8.8	0.26	0.876	
1,4-Dichlorobenzene	ND	0.88	0.35	0.876		1,2,3-Trichloropropane	ND	1.8	0.73	0.876	
Dichlorodifluoromethane	ND	1.8	0.54	0.876		1,2,4-Trimethylbenzene	ND	1.8	0.30	0.876	
1,1-Dichloroethane	ND	0.88	0.40	0.876		1,3,5-Trimethylbenzene	ND	1.8	0.25	0.876	
1,2-Dichloroethane	ND	0.88	0.21	0.876		Vinyl Acetate	ND	8.8	2.2	0.876	
1,1-Dichloroethene	ND	0.88	0.16	0.876		Vinyl Chloride	ND	0.88	0.40	0.876	
c-1,2-Dichloroethene	ND	0.88	0.30	0.876		p/m-Xylene	ND	1.8	0.50	0.876	
t-1,2-Dichloroethene	ND	0.88	0.40	0.876		o-Xylene	0.30	0.88	0.20	0.876	J,B
1,2-Dichloropropane	ND	0.88	0.24	0.876		Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.21	0.876	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	65-157		Toluene-d8	100	51-144	
1,4-Bromofluorobenzene	98	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB03-02	04-03-0917-46	03/15/04	Solid	03/16/04	03/19/04	040319L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	3.7	18.0	2.7	0.88	J	1,3-Dichloropropane	ND	0.88	0.20	0.88	
Benzene	0.32	0.88	0.14	0.88	J	2,2-Dichloropropane	ND	4.4	0.53	0.88	
Bromobenzene	ND	0.88	0.16	0.88		1,1-Dichloropropene	ND	1.8	0.43	0.88	
Bromochloromethane	ND	1.8	0.60	0.88		c-1,3-Dichloropropene	ND	0.88	0.22	0.88	
Bromodichloromethane	ND	0.88	0.30	0.88		t-1,3-Dichloropropene	ND	1.8	0.18	0.88	
Bromoform	ND	4.4	0.65	0.88		Ethylbenzene	ND	0.88	0.25	0.88	
Bromomethane	ND	18	1.3	0.88		2-Hexanone	ND	18	3.1	0.88	
2-Butanone	ND	18	3.3	0.88		Isopropylbenzene	ND	0.88	0.27	0.88	
n-Butylbenzene	ND	0.88	0.18	0.88		p-Isopropyltoluene	ND	0.88	0.32	0.88	
sec-Butylbenzene	ND	0.88	0.078	0.88		Methylene Chloride	ND	8.8	4.1	0.88	
tert-Butylbenzene	ND	0.88	0.12	0.88		4-Methyl-2-Pentanone	ND	18	0.82	0.88	
Carbon Disulfide	ND	8.8	0.44	0.88		Naphthalene	ND	8.8	0.75	0.88	
Carbon Tetrachloride	ND	0.88	0.39	0.88		n-Propylbenzene	ND	0.88	0.32	0.88	
Chlorobenzene	ND	0.88	0.21	0.88		Styrene	ND	0.88	0.21	0.88	
Chloroethane	ND	1.8	0.44	0.88		1,1,1,2-Tetrachloroethane	ND	0.88	0.34	0.88	
Chloroform	ND	0.88	0.33	0.88		1,1,2,2-Tetrachloroethane	ND	1.8	0.19	0.88	
Chloromethane	ND	18	1.2	0.88		Tetrachloroethene	ND	0.88	0.26	0.88	
2-Chlorotoluene	ND	0.88	0.23	0.88		Toluene	0.32	0.88	0.26	0.88	J
4-Chlorotoluene	ND	0.88	0.18	0.88		1,2,3-Trichlorobenzene	ND	1.8	0.31	0.88	
Dibromochloromethane	ND	1.8	0.29	0.88		1,2,4-Trichlorobenzene	ND	1.8	0.35	0.88	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.88		1,1,1-Trichloroethane	ND	0.88	0.33	0.88	
1,2-Dibromoethane	ND	0.88	0.37	0.88		1,1,2-Trichloroethane	ND	0.88	0.46	0.88	
Dibromomethane	ND	0.88	0.38	0.88		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.8	0.34	0.88	
1,2-Dichlorobenzene	ND	0.88	0.22	0.88		Trichloroethene	ND	1.8	0.28	0.88	
1,3-Dichlorobenzene	ND	0.88	0.18	0.88		Trichlorofluoromethane	ND	8.8	0.26	0.88	
1,4-Dichlorobenzene	ND	0.88	0.35	0.88		1,2,3-Trichloropropane	ND	1.8	0.74	0.88	
Dichlorodifluoromethane	ND	1.8	0.54	0.88		1,2,4-Trimethylbenzene	ND	1.8	0.31	0.88	
1,1-Dichloroethane	ND	0.88	0.40	0.88		1,3,5-Trimethylbenzene	ND	1.8	0.25	0.88	
1,2-Dichloroethane	ND	0.88	0.21	0.88		Vinyl Acetate	ND	8.8	2.3	0.88	
1,1-Dichloroethene	ND	0.88	0.16	0.88		Vinyl Chloride	ND	0.88	0.41	0.88	
c-1,2-Dichloroethene	ND	0.88	0.30	0.88		p/m-Xylene	ND	1.8	0.51	0.88	
t-1,2-Dichloroethene	ND	0.88	0.40	0.88		o-Xylene	0.30	0.88	0.20	0.88	J,B
1,2-Dichloropropane	ND	0.88	0.24	0.88		Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.21	0.88	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	103	65-157		Toluene-d8	100	51-144	
1,4-Bromofluorobenzene	99	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-025-8,428**	**N/A**	**Solid**	**03/16/04**	**03/16/04**	**040316L01**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	3.1	1		1,3-Dichloropropane	ND	1.0	0.22	1	
Benzene	ND	1.0	0.16	1		2,2-Dichloropropane	ND	5.0	0.60	1	
Bromobenzene	ND	1.0	0.18	1		1,1-Dichloropropene	ND	2.0	0.49	1	
Bromochloromethane	ND	2.0	0.68	1		c-1,3-Dichloropropene	ND	1.0	0.25	1	
Bromodichloromethane	ND	1.0	0.34	1		t-1,3-Dichloropropene	ND	2.0	0.21	1	
Bromoform	ND	5.0	0.74	1		Ethylbenzene	ND	1.0	0.29	1	
Bromomethane	ND	20	1.5	1		2-Hexanone	ND	20	3.5	1	
2-Butanone	ND	20	3.8	1		Isopropylbenzene	ND	1.0	0.31	1	
n-Butylbenzene	ND	1.0	0.20	1		p-Isopropyltoluene	ND	1.0	0.36	1	
sec-Butylbenzene	ND	1.0	0.089	1		Methylene Chloride	ND	10	4.6	1	
tert-Butylbenzene	ND	1.0	0.14	1		4-Methyl-2-Pentanone	ND	20	0.94	1	
Carbon Disulfide	ND	10	0.50	1		Naphthalene	ND	10	0.85	1	
Carbon Tetrachloride	ND	1.0	0.44	1		n-Propylbenzene	ND	1.0	0.36	1	
Chlorobenzene	ND	1.0	0.24	1		Styrene	ND	1.0	0.24	1	
Chloroethane	ND	2.0	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.38	1	
Chloroform	ND	1.0	0.37	1		1,1,2,2-Tetrachloroethane	ND	2.0	0.22	1	
Chloromethane	ND	20	1.3	1		Tetrachloroethene	ND	1.0	0.30	1	
2-Chlorotoluene	ND	1.0	0.26	1		Toluene	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.20	1		1,2,3-Trichlorobenzene	ND	2.0	0.35	1	
Dibromochloromethane	ND	2.0	0.33	1		1,2,4-Trichlorobenzene	ND	2.0	0.39	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1		1,1,1-Trichloroethane	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.42	1		1,1,2-Trichloroethane	ND	1.0	0.53	1	
Dibromomethane	ND	1.0	0.43	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.39	1	
1,2-Dichlorobenzene	ND	1.0	0.25	1		Trichloroethene	ND	2.0	0.32	1	
1,3-Dichlorobenzene	ND	1.0	0.20	1		Trichlorofluoromethane	ND	10	0.30	1	
1,4-Dichlorobenzene	ND	1.0	0.39	1		1,2,3-Trichloropropane	ND	2.0	0.84	1	
Dichlorodifluoromethane	ND	2.0	0.62	1		1,2,4-Trimethylbenzene	ND	2.0	0.35	1	
1,1-Dichloroethane	ND	1.0	0.45	1		1,3,5-Trimethylbenzene	ND	2.0	0.28	1	
1,2-Dichloroethane	ND	1.0	0.23	1		Vinyl Acetate	ND	10	2.6	1	
1,1-Dichloroethene	ND	1.0	0.18	1		Vinyl Chloride	ND	1.0	0.46	1	
c-1,2-Dichloroethene	ND	1.0	0.34	1		p/m-Xylene	ND	2.0	0.57	1	
t-1,2-Dichloroethene	ND	1.0	0.45	1		o-Xylene	0.31	1.0	0.23	1	J
1,2-Dichloropropane	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.24	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	65-157		Toluene-d8	101	51-144	
1,4-Bromofluorobenzene	92	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-025-8,430**	**N/A**	**Solid**	**03/16/04**	**03/16/04**	**040316L01**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	3.1	1		1,3-Dichloropropane	ND	1.0	0.22	1	
Benzene	ND	1.0	0.16	1		2,2-Dichloropropane	ND	5.0	0.60	1	
Bromobenzene	ND	1.0	0.18	1		1,1-Dichloropropene	ND	2.0	0.49	1	
Bromochloromethane	ND	2.0	0.68	1		c-1,3-Dichloropropene	ND	1.0	0.25	1	
Bromodichloromethane	ND	1.0	0.34	1		t-1,3-Dichloropropene	ND	2.0	0.21	1	
Bromoform	ND	5.0	0.74	1		Ethylbenzene	ND	1.0	0.29	1	
Bromomethane	ND	20	1.5	1		2-Hexanone	ND	20	3.5	1	
2-Butanone	ND	20	3.8	1		Isopropylbenzene	ND	1.0	0.31	1	
n-Butylbenzene	ND	1.0	0.20	1		p-Isopropyltoluene	ND	1.0	0.36	1	
sec-Butylbenzene	ND	1.0	0.089	1		Methylene Chloride	ND	10	4.6	1	
tert-Butylbenzene	ND	1.0	0.14	1		4-Methyl-2-Pentanone	ND	20	0.94	1	
Carbon Disulfide	ND	10	0.50	1		Naphthalene	ND	10	0.85	1	
Carbon Tetrachloride	ND	1.0	0.44	1		n-Propylbenzene	ND	1.0	0.36	1	
Chlorobenzene	ND	1.0	0.24	1		Styrene	ND	1.0	0.24	1	
Chloroethane	ND	2.0	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.38	1	
Chloroform	ND	1.0	0.37	1		1,1,2,2-Tetrachloroethane	ND	2.0	0.22	1	
Chloromethane	ND	20	1.3	1		Tetrachloroethene	ND	1.0	0.30	1	
2-Chlorotoluene	ND	1.0	0.26	1		Toluene	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.20	1		1,2,3-Trichlorobenzene	ND	2.0	0.35	1	
Dibromochloromethane	ND	2.0	0.33	1		1,2,4-Trichlorobenzene	ND	2.0	0.39	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1		1,1,1-Trichloroethane	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.42	1		1,1,2-Trichloroethane	ND	1.0	0.53	1	
Dibromomethane	ND	1.0	0.43	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	3.5	10.0	0.39	1	J
1,2-Dichlorobenzene	ND	1.0	0.25	1		Trichloroethene	ND	2.0	0.32	1	
1,3-Dichlorobenzene	ND	1.0	0.20	1		Trichlorofluoromethane	ND	10	0.30	1	
1,4-Dichlorobenzene	ND	1.0	0.39	1		1,2,3-Trichloropropane	ND	2.0	0.84	1	
Dichlorodifluoromethane	ND	2.0	0.62	1		1,2,4-Trimethylbenzene	ND	2.0	0.35	1	
1,1-Dichloroethane	ND	1.0	0.45	1		1,3,5-Trimethylbenzene	ND	2.0	0.28	1	
1,2-Dichloroethane	ND	1.0	0.23	1		Vinyl Acetate	ND	10	2.6	1	
1,1-Dichloroethene	ND	1.0	0.18	1		Vinyl Chloride	ND	1.0	0.46	1	
c-1,2-Dichloroethene	ND	1.0	0.34	1		p/m-Xylene	ND	2.0	0.57	1	
t-1,2-Dichloroethene	ND	1.0	0.45	1		o-Xylene	0.41	1.0	0.23	1	J
1,2-Dichloropropane	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.24	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	65-157		Toluene-d8	99	51-144	
1,4-Bromofluorobenzene	98	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	095-01-025-8,433	N/A	Solid	03/16/04	03/17/04	040316L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	2000	310	100		1,3-Dichloropropane	ND	100	22	100	
Benzene	ND	100	16	100		2,2-Dichloropropane	ND	500	60	100	
Bromobenzene	ND	100	18	100		1,1-Dichloropropene	ND	200	49	100	
Bromochloromethane	ND	200	68	100		c-1,3-Dichloropropene	ND	100	25	100	
Bromodichloromethane	ND	100	34	100		t-1,3-Dichloropropene	ND	200	21	100	
Bromoform	ND	500	74	100		Ethylbenzene	ND	100	29	100	
Bromomethane	1100	2000	150	100	J	2-Hexanone	ND	2000	350	100	
2-Butanone	550	2000	380	100	J	Isopropylbenzene	ND	100	31	100	
n-Butylbenzene	ND	100	20	100		p-Isopropyltoluene	ND	100	36	100	
sec-Butylbenzene	ND	100	8.9	100		Methylene Chloride	ND	1000	460	100	
tert-Butylbenzene	ND	100	14	100		4-Methyl-2-Pentanone	ND	2000	94	100	
Carbon Disulfide	ND	1000	50	100		Naphthalene	ND	1000	85	100	
Carbon Tetrachloride	ND	100	44	100		n-Propylbenzene	ND	100	36	100	
Chlorobenzene	ND	100	24	100		Styrene	ND	100	24	100	
Chloroethane	ND	200	50	100		1,1,1,2-Tetrachloroethane	ND	100	38	100	
Chloroform	ND	100	37	100		1,1,2,2-Tetrachloroethane	ND	200	22	100	
Chloromethane	ND	2000	130	100		Tetrachloroethene	ND	100	30	100	
2-Chlorotoluene	ND	100	26	100		Toluene	ND	100	30	100	
4-Chlorotoluene	ND	100	20	100		1,2,3-Trichlorobenzene	ND	200	35	100	
Dibromochloromethane	ND	200	33	100		1,2,4-Trichlorobenzene	ND	200	39	100	
1,2-Dibromo-3-Chloropropane	ND	500	170	100		1,1,1-Trichloroethane	ND	100	37	100	
1,2-Dibromoethane	ND	100	42	100		1,1,2-Trichloroethane	ND	100	53	100	
Dibromomethane	ND	100	43	100		1,1,2-Trichloro-1,2,2-Trifluoroethane	190	1000	39	100	J
1,2-Dichlorobenzene	ND	100	25	100		Trichloroethene	ND	200	32	100	
1,3-Dichlorobenzene	ND	100	20	100		Trichlorofluoromethane	ND	1000	30	100	
1,4-Dichlorobenzene	ND	100	39	100		1,2,3-Trichloropropane	ND	200	84	100	
Dichlorodifluoromethane	ND	200	62	100		1,2,4-Trimethylbenzene	ND	200	35	100	
1,1-Dichloroethane	ND	100	45	100		1,3,5-Trimethylbenzene	ND	200	28	100	
1,2-Dichloroethane	ND	100	23	100		Vinyl Acetate	ND	1000	260	100	
1,1-Dichloroethene	ND	100	18	100		Vinyl Chloride	ND	100	46	100	
c-1,2-Dichloroethene	ND	100	34	100		p/m-Xylene	ND	200	57	100	
t-1,2-Dichloroethene	ND	100	45	100		o-Xylene	37	100	23	100	J
1,2-Dichloropropane	ND	100	27	100		Methyl-t-Butyl Ether (MTBE)	ND	200	24	100	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	65-157		Toluene-d8	100	51-144	
1,4-Bromofluorobenzene	97	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-025-8,434**	**N/A**	**Solid**	**03/16/04**	**03/17/04**	**040316L03**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	3.1	1		1,3-Dichloropropane	ND	1.0	0.22	1	
Benzene	ND	1.0	0.16	1		2,2-Dichloropropane	ND	5.0	0.60	1	
Bromobenzene	ND	1.0	0.18	1		1,1-Dichloropropene	ND	2.0	0.49	1	
Bromochloromethane	ND	2.0	0.68	1		c-1,3-Dichloropropene	ND	1.0	0.25	1	
Bromodichloromethane	ND	1.0	0.34	1		t-1,3-Dichloropropene	ND	2.0	0.21	1	
Bromoform	ND	5.0	0.74	1		Ethylbenzene	ND	1.0	0.29	1	
Bromomethane	ND	20	1.5	1		2-Hexanone	ND	20	3.5	1	
2-Butanone	ND	20	3.8	1		Isopropylbenzene	ND	1.0	0.31	1	
n-Butylbenzene	ND	1.0	0.20	1		p-Isopropyltoluene	ND	1.0	0.36	1	
sec-Butylbenzene	ND	1.0	0.089	1		Methylene Chloride	ND	10	4.6	1	
tert-Butylbenzene	ND	1.0	0.14	1		4-Methyl-2-Pentanone	ND	20	0.94	1	
Carbon Disulfide	ND	10	0.50	1		Naphthalene	ND	10	0.85	1	
Carbon Tetrachloride	ND	1.0	0.44	1		n-Propylbenzene	ND	1.0	0.36	1	
Chlorobenzene	ND	1.0	0.24	1		Styrene	ND	1.0	0.24	1	
Chloroethane	ND	2.0	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.38	1	
Chloroform	ND	1.0	0.37	1		1,1,2,2-Tetrachloroethane	ND	2.0	0.22	1	
Chloromethane	ND	20	1.3	1		Tetrachloroethene	ND	1.0	0.30	1	
2-Chlorotoluene	ND	1.0	0.26	1		Toluene	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.20	1		1,2,3-Trichlorobenzene	ND	2.0	0.35	1	
Dibromochloromethane	ND	2.0	0.33	1		1,2,4-Trichlorobenzene	ND	2.0	0.39	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1		1,1,1-Trichloroethane	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.42	1		1,1,2-Trichloroethane	ND	1.0	0.53	1	
Dibromomethane	ND	1.0	0.43	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	2.1	10.0	0.39	1	J
1,2-Dichlorobenzene	ND	1.0	0.25	1		Trichloroethene	ND	2.0	0.32	1	
1,3-Dichlorobenzene	ND	1.0	0.20	1		Trichlorofluoromethane	ND	10	0.30	1	
1,4-Dichlorobenzene	ND	1.0	0.39	1		1,2,3-Trichloropropane	ND	2.0	0.84	1	
Dichlorodifluoromethane	ND	2.0	0.62	1		1,2,4-Trimethylbenzene	ND	2.0	0.35	1	
1,1-Dichloroethane	ND	1.0	0.45	1		1,3,5-Trimethylbenzene	ND	2.0	0.28	1	
1,2-Dichloroethane	ND	1.0	0.23	1		Vinyl Acetate	ND	10	2.6	1	
1,1-Dichloroethene	ND	1.0	0.18	1		Vinyl Chloride	ND	1.0	0.46	1	
c-1,2-Dichloroethene	ND	1.0	0.34	1		p/m-Xylene	ND	2.0	0.57	1	
t-1,2-Dichloroethene	ND	1.0	0.45	1		o-Xylene	0.30	1.0	0.23	1	J
1,2-Dichloropropane	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.24	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	65-157		Toluene-d8	101	51-144	
1,4-Bromofluorobenzene	93	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-025-8,446**	**N/A**	**Solid**	**03/18/04**	**03/18/04**	**040318L01**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	3.1	1		1,3-Dichloropropane	ND	1.0	0.22	1	
Benzene	ND	1.0	0.16	1		2,2-Dichloropropane	ND	5.0	0.60	1	
Bromobenzene	ND	1.0	0.18	1		1,1-Dichloropropene	ND	2.0	0.49	1	
Bromochloromethane	ND	2.0	0.68	1		c-1,3-Dichloropropene	ND	1.0	0.25	1	
Bromodichloromethane	ND	1.0	0.34	1		t-1,3-Dichloropropene	ND	2.0	0.21	1	
Bromoform	ND	5.0	0.74	1		Ethylbenzene	ND	1.0	0.29	1	
Bromomethane	ND	20	1.5	1		2-Hexanone	ND	20	3.5	1	
2-Butanone	ND	20	3.8	1		Isopropylbenzene	ND	1.0	0.31	1	
n-Butylbenzene	ND	1.0	0.20	1		p-Isopropyltoluene	ND	1.0	0.36	1	
sec-Butylbenzene	ND	1.0	0.089	1		Methylene Chloride	ND	10	4.6	1	
tert-Butylbenzene	ND	1.0	0.14	1		4-Methyl-2-Pentanone	ND	20	0.94	1	
Carbon Disulfide	ND	10	0.50	1		Naphthalene	ND	10	0.85	1	
Carbon Tetrachloride	ND	1.0	0.44	1		n-Propylbenzene	ND	1.0	0.36	1	
Chlorobenzene	ND	1.0	0.24	1		Styrene	ND	1.0	0.24	1	
Chloroethane	ND	2.0	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.38	1	
Chloroform	ND	1.0	0.37	1		1,1,2,2-Tetrachloroethane	ND	2.0	0.22	1	
Chloromethane	ND	20	1.3	1		Tetrachloroethene	ND	1.0	0.30	1	
2-Chlorotoluene	ND	1.0	0.26	1		Toluene	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.20	1		1,2,3-Trichlorobenzene	ND	2.0	0.35	1	
Dibromochloromethane	ND	2.0	0.33	1		1,2,4-Trichlorobenzene	ND	2.0	0.39	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1		1,1,1-Trichloroethane	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.42	1		1,1,2-Trichloroethane	ND	1.0	0.53	1	
Dibromomethane	ND	1.0	0.43	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.39	1	
1,2-Dichlorobenzene	ND	1.0	0.25	1		Trichloroethene	ND	2.0	0.32	1	
1,3-Dichlorobenzene	ND	1.0	0.20	1		Trichlorofluoromethane	ND	10	0.30	1	
1,4-Dichlorobenzene	ND	1.0	0.39	1		1,2,3-Trichloropropane	ND	2.0	0.84	1	
Dichlorodifluoromethane	ND	2.0	0.62	1		1,2,4-Trimethylbenzene	ND	2.0	0.35	1	
1,1-Dichloroethane	ND	1.0	0.45	1		1,3,5-Trimethylbenzene	ND	2.0	0.28	1	
1,2-Dichloroethane	ND	1.0	0.23	1		Vinyl Acetate	ND	10	2.6	1	
1,1-Dichloroethene	ND	1.0	0.18	1		Vinyl Chloride	ND	1.0	0.46	1	
c-1,2-Dichloroethene	ND	1.0	0.34	1		p/m-Xylene	ND	2.0	0.57	1	
t-1,2-Dichloroethene	ND	1.0	0.45	1		o-Xylene	0.36	1.0	0.23	1	J
1,2-Dichloropropane	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.24	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	97	65-157		Toluene-d8	100	51-144	
1,4-Bromofluorobenzene	100	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	095-01-025-8,460	N/A	Solid	03/19/04	03/19/04	040319L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	3.1	1		1,3-Dichloropropane	ND	1.0	0.22	1	
Benzene	ND	1.0	0.16	1		2,2-Dichloropropane	ND	5.0	0.60	1	
Bromobenzene	ND	1.0	0.18	1		1,1-Dichloropropene	ND	2.0	0.49	1	
Bromochloromethane	ND	2.0	0.68	1		c-1,3-Dichloropropene	ND	1.0	0.25	1	
Bromodichloromethane	ND	1.0	0.34	1		t-1,3-Dichloropropene	ND	2.0	0.21	1	
Bromoform	ND	5.0	0.74	1		Ethylbenzene	ND	1.0	0.29	1	
Bromomethane	ND	20	1.5	1		2-Hexanone	ND	20	3.5	1	
2-Butanone	ND	20	3.8	1		Isopropylbenzene	ND	1.0	0.31	1	
n-Butylbenzene	ND	1.0	0.20	1		p-Isopropyltoluene	ND	1.0	0.36	1	
sec-Butylbenzene	ND	1.0	0.089	1		Methylene Chloride	ND	10	4.6	1	
tert-Butylbenzene	ND	1.0	0.14	1		4-Methyl-2-Pentanone	ND	20	0.94	1	
Carbon Disulfide	ND	10	0.50	1		Naphthalene	ND	10	0.85	1	
Carbon Tetrachloride	ND	1.0	0.44	1		n-Propylbenzene	ND	1.0	0.36	1	
Chlorobenzene	ND	1.0	0.24	1		Styrene	ND	1.0	0.24	1	
Chloroethane	ND	2.0	0.50	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.38	1	
Chloroform	ND	1.0	0.37	1		1,1,2,2-Tetrachloroethane	ND	2.0	0.22	1	
Chloromethane	ND	20	1.3	1		Tetrachloroethene	ND	1.0	0.30	1	
2-Chlorotoluene	ND	1.0	0.26	1		Toluene	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.20	1		1,2,3-Trichlorobenzene	ND	2.0	0.35	1	
Dibromochloromethane	ND	2.0	0.33	1		1,2,4-Trichlorobenzene	ND	2.0	0.39	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1		1,1,1-Trichloroethane	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.42	1		1,1,2-Trichloroethane	ND	1.0	0.53	1	
Dibromomethane	ND	1.0	0.43	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.39	1	
1,2-Dichlorobenzene	ND	1.0	0.25	1		Trichloroethene	ND	2.0	0.32	1	
1,3-Dichlorobenzene	ND	1.0	0.20	1		Trichlorofluoromethane	ND	10	0.30	1	
1,4-Dichlorobenzene	ND	1.0	0.39	1		1,2,3-Trichloropropane	ND	2.0	0.84	1	
Dichlorodifluoromethane	ND	2.0	0.62	1		1,2,4-Trimethylbenzene	ND	2.0	0.35	1	
1,1-Dichloroethane	ND	1.0	0.45	1		1,3,5-Trimethylbenzene	ND	2.0	0.28	1	
1,2-Dichloroethane	ND	1.0	0.23	1		Vinyl Acetate	ND	10	2.6	1	
1,1-Dichloroethene	ND	1.0	0.18	1		Vinyl Chloride	ND	1.0	0.46	1	
c-1,2-Dichloroethene	ND	1.0	0.34	1		p/m-Xylene	ND	2.0	0.57	1	
t-1,2-Dichloroethene	ND	1.0	0.45	1		o-Xylene	0.35	1.0	0.23	1	J
1,2-Dichloropropane	ND	1.0	0.27	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.24	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	65-157		Toluene-d8	100	51-144	
1,4-Bromofluorobenzene	98	49-141					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 EB01	04-03-0917-48	03/15/04	Aqueous	N/A	03/17/04	040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	10	3.6	1		1,3-Dichloropropane	ND	1.0	0.35	1	
Benzene	ND	0.50	0.29	1		2,2-Dichloropropane	ND	1.0	0.39	1	
Bromobenzene	ND	1.0	0.26	1		1,1-Dichloropropene	ND	1.0	0.55	1	
Bromochloromethane	ND	1.0	0.37	1		c-1,3-Dichloropropene	ND	0.50	0.44	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.30	1	
Bromoform	ND	1.0	0.87	1		Ethylbenzene	ND	1.0	0.19	1	
Bromomethane	ND	10	0.90	1		2-Hexanone	ND	10	2.5	1	
2-Butanone	ND	10	1.7	1		Isopropylbenzene	ND	1.0	0.17	1	
n-Butylbenzene	ND	1.0	0.34	1		p-Isopropyltoluene	ND	1.0	0.17	1	
sec-Butylbenzene	ND	1.0	0.11	1		Methylene Chloride	2.5	10.0	1.7	1	J
tert-Butylbenzene	ND	1.0	0.23	1		4-Methyl-2-Pentanone	ND	10	2.6	1	
Carbon Disulfide	ND	10	0.28	1		Naphthalene	ND	10	0.56	1	
Carbon Tetrachloride	ND	0.50	0.40	1		n-Propylbenzene	ND	1.0	0.24	1	
Chlorobenzene	ND	1.0	0.19	1		Styrene	ND	1.0	0.14	1	
Chloroethane	ND	1.0	0.46	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.45	1	
Chloroform	ND	1.0	0.45	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.19	1	
Chloromethane	ND	10	0.43	1		Tetrachloroethene	ND	1.0	0.20	1	
2-Chlorotoluene	ND	1.0	0.67	1		Toluene	ND	1.0	0.35	1	
4-Chlorotoluene	ND	1.0	0.16	1		1,2,3-Trichlorobenzene	ND	1.0	0.40	1	
Dibromochloromethane	ND	1.0	0.29	1		1,2,4-Trichlorobenzene	ND	1.0	0.28	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.6	1		1,1,1-Trichloroethane	ND	1.0	0.46	1	
1,2-Dibromoethane	ND	1.0	0.51	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.70	1	
Dibromomethane	ND	1.0	0.46	1		1,1,2-Trichloroethane	ND	1.0	0.42	1	
1,2-Dichlorobenzene	ND	1.0	0.29	1		Trichloroethene	ND	1.0	0.48	1	
1,3-Dichlorobenzene	ND	1.0	0.27	1		Trichlorofluoromethane	ND	10	0.27	1	
1,4-Dichlorobenzene	ND	1.0	0.28	1		1,2,3-Trichloropropane	ND	5.0	2.0	1	
Dichlorodifluoromethane	ND	1.0	0.47	1		1,2,4-Trimethylbenzene	ND	1.0	0.22	1	
1,1-Dichloroethane	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.11	1	
1,2-Dichloroethane	ND	0.50	0.35	1		Vinyl Acetate	ND	10	3.6	1	
1,1-Dichloroethene	ND	1.0	0.32	1		Vinyl Chloride	ND	0.50	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.56	1		p/m-Xylene	ND	1.0	0.17	1	
t-1,2-Dichloroethene	ND	1.0	0.60	1		o-Xylene	ND	1.0	0.16	1	
1,2-Dichloropropane	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.28	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	57-157		Toluene-d8	103	75-123	
1,4-Bromofluorobenzene	96	76-113					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 TB01	04-03-0917-49	03/15/04	Aqueous	N/A	03/17/04	040316L02

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	10	3.6	1		1,3-Dichloropropane	ND	1.0	0.35	1	
Benzene	0.46	0.50	0.29	1	J	2,2-Dichloropropane	ND	1.0	0.39	1	
Bromobenzene	ND	1.0	0.26	1		1,1-Dichloropropene	ND	1.0	0.55	1	
Bromochloromethane	ND	1.0	0.37	1		c-1,3-Dichloropropene	ND	0.50	0.44	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.30	1	
Bromoform	ND	1.0	0.87	1		Ethylbenzene	ND	1.0	0.19	1	
Bromomethane	ND	10	0.90	1		2-Hexanone	ND	10	2.5	1	
2-Butanone	ND	10	1.7	1		Isopropylbenzene	ND	1.0	0.17	1	
n-Butylbenzene	ND	1.0	0.34	1		p-Isopropyltoluene	ND	1.0	0.17	1	
sec-Butylbenzene	ND	1.0	0.11	1		Methylene Chloride	2.8	10.0	1.7	1	J
tert-Butylbenzene	ND	1.0	0.23	1		4-Methyl-2-Pentanone	ND	10	2.6	1	
Carbon Disulfide	ND	10	0.28	1		Naphthalene	ND	10	0.56	1	
Carbon Tetrachloride	ND	0.50	0.40	1		n-Propylbenzene	ND	1.0	0.24	1	
Chlorobenzene	ND	1.0	0.19	1		Styrene	ND	1.0	0.14	1	
Chloroethane	ND	1.0	0.46	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.45	1	
Chloroform	ND	1.0	0.45	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.19	1	
Chloromethane	ND	10	0.43	1		Tetrachloroethene	ND	1.0	0.20	1	
2-Chlorotoluene	ND	1.0	0.67	1		Toluene	ND	1.0	0.35	1	
4-Chlorotoluene	ND	1.0	0.16	1		1,2,3-Trichlorobenzene	ND	1.0	0.40	1	
Dibromochloromethane	ND	1.0	0.29	1		1,2,4-Trichlorobenzene	ND	1.0	0.28	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.6	1		1,1,1-Trichloroethane	ND	1.0	0.46	1	
1,2-Dibromoethane	ND	1.0	0.51	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.70	1	
Dibromomethane	ND	1.0	0.46	1		1,1,2-Trichloroethane	ND	1.0	0.42	1	
1,2-Dichlorobenzene	ND	1.0	0.29	1		Trichloroethene	ND	1.0	0.48	1	
1,3-Dichlorobenzene	ND	1.0	0.27	1		Trichlorofluoromethane	ND	10	0.27	1	
1,4-Dichlorobenzene	ND	1.0	0.28	1		1,2,3-Trichloropropane	ND	5.0	2.0	1	
Dichlorodifluoromethane	ND	1.0	0.47	1		1,2,4-Trimethylbenzene	ND	1.0	0.22	1	
1,1-Dichloroethane	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.11	1	
1,2-Dichloroethane	ND	0.50	0.35	1		Vinyl Acetate	ND	10	3.6	1	
1,1-Dichloroethene	ND	1.0	0.32	1		Vinyl Chloride	ND	0.50	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.56	1		p/m-Xylene	ND	1.0	0.17	1	
t-1,2-Dichloroethene	ND	1.0	0.60	1		o-Xylene	ND	1.0	0.16	1	
1,2-Dichloropropane	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.28	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	98	57-157		Toluene-d8	101	75-123	
1,4-Bromofluorobenzene	96	76-113					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-10,25**	**N/A**	**Aqueous**	**N/A**	**03/17/04**	**040316L02**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	10	3.6	1		1,3-Dichloropropane	ND	1.0	0.35	1	
Benzene	ND	0.50	0.29	1		2,2-Dichloropropane	ND	1.0	0.39	1	
Bromobenzene	ND	1.0	0.26	1		1,1-Dichloropropene	ND	1.0	0.55	1	
Bromochloromethane	ND	1.0	0.37	1		c-1,3-Dichloropropene	ND	0.50	0.44	1	
Bromodichloromethane	ND	1.0	0.33	1		t-1,3-Dichloropropene	ND	0.50	0.30	1	
Bromoform	ND	1.0	0.87	1		Ethylbenzene	ND	1.0	0.19	1	
Bromomethane	ND	10	0.90	1		2-Hexanone	ND	10	2.5	1	
2-Butanone	ND	10	1.7	1		Isopropylbenzene	ND	1.0	0.17	1	
n-Butylbenzene	ND	1.0	0.34	1		p-Isopropyltoluene	ND	1.0	0.17	1	
sec-Butylbenzene	ND	1.0	0.11	1		Methylene Chloride	ND	10	1.7	1	
tert-Butylbenzene	ND	1.0	0.23	1		4-Methyl-2-Pentanone	ND	10	2.6	1	
Carbon Disulfide	ND	10	0.28	1		Naphthalene	ND	10	0.56	1	
Carbon Tetrachloride	ND	0.50	0.40	1		n-Propylbenzene	ND	1.0	0.24	1	
Chlorobenzene	ND	1.0	0.19	1		Styrene	ND	1.0	0.14	1	
Chloroethane	ND	1.0	0.46	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.45	1	
Chloroform	ND	1.0	0.45	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.19	1	
Chloromethane	ND	10	0.43	1		Tetrachloroethene	ND	1.0	0.20	1	
2-Chlorotoluene	ND	1.0	0.67	1		Toluene	ND	1.0	0.35	1	
4-Chlorotoluene	ND	1.0	0.16	1		1,2,3-Trichlorobenzene	ND	1.0	0.40	1	
Dibromochloromethane	ND	1.0	0.29	1		1,2,4-Trichlorobenzene	ND	1.0	0.28	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	2.6	1		1,1,1-Trichloroethane	ND	1.0	0.46	1	
1,2-Dibromoethane	ND	1.0	0.51	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.70	1	
Dibromomethane	ND	1.0	0.46	1		1,1,2-Trichloroethane	ND	1.0	0.42	1	
1,2-Dichlorobenzene	ND	1.0	0.29	1		Trichloroethene	ND	1.0	0.48	1	
1,3-Dichlorobenzene	ND	1.0	0.27	1		Trichlorofluoromethane	ND	10	0.27	1	
1,4-Dichlorobenzene	ND	1.0	0.28	1		1,2,3-Trichloropropane	ND	5.0	2.0	1	
Dichlorodifluoromethane	ND	1.0	0.47	1		1,2,4-Trimethylbenzene	ND	1.0	0.22	1	
1,1-Dichloroethane	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.11	1	
1,2-Dichloroethane	ND	0.50	0.35	1		Vinyl Acetate	ND	10	3.6	1	
1,1-Dichloroethene	ND	1.0	0.32	1		Vinyl Chloride	ND	0.50	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.56	1		p/m-Xylene	ND	1.0	0.17	1	
t-1,2-Dichloroethene	ND	1.0	0.60	1		o-Xylene	ND	1.0	0.16	1	
1,2-Dichloropropane	ND	1.0	0.40	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.28	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	57-157		Toluene-d8	102	75-123	
1,4-Bromofluorobenzene	95	76-113					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB01-01	04-03-0917-1	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	88	31-142		Phenol-d6	86	30-136	
Nitrobenzene-d5	95	28-139		2-Fluorobiphenyl	95	33-144	
2,4,6-Tribromophenol	95	24-152		p-Terphenyl-d14	117	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB01-02	04-03-0917-2	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	82	31-142		Phenol-d6	81	30-136	
Nitrobenzene-d5	87	28-139		2-Fluorobiphenyl	86	33-144	
2,4,6-Tribromophenol	87	24-152		p-Terphenyl-d14	108	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC-3-4 SB-02-01	04-03-0917-4	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	77	31-142		Phenol-d6	77	30-136	
Nitrobenzene-d5	84	28-139		2-Fluorobiphenyl	82	33-144	
2,4,6-Tribromophenol	83	24-152		p-Terphenyl-d14	103	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB02-02	04-03-0917-5	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	75	31-142		Phenol-d6	74	30-136	
Nitrobenzene-d5	81	28-139		2-Fluorobiphenyl	77	33-144	
2,4,6-Tribromophenol	83	24-152		p-Terphenyl-d14	107	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB05-01	04-03-0917-7	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	79	31-142		Phenol-d6	80	30-136	
Nitrobenzene-d5	85	28-139		2-Fluorobiphenyl	85	33-144	
2,4,6-Tribromophenol	88	24-152		p-Terphenyl-d14	167	23-160	2

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB05-02	04-03-0917-8	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	85	31-142		Phenol-d6	82	30-136	
Nitrobenzene-d5	92	28-139		2-Fluorobiphenyl	92	33-144	
2,4,6-Tribromophenol	91	24-152		p-Terphenyl-d14	113	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB05-04	04-03-0917-10	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	82	31-142		Phenol-d6	81	30-136	
Nitrobenzene-d5	90	28-139		2-Fluorobiphenyl	86	33-144	
2,4,6-Tribromophenol	90	24-152		p-Terphenyl-d14	113	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB08-01	04-03-0917-11	03/15/04	Solid	03/18/04	03/20/04	040318L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	79	31-142		Phenol-d6	77	30-136	
Nitrobenzene-d5	86	28-139		2-Fluorobiphenyl	84	33-144	
2,4,6-Tribromophenol	84	24-152		p-Terphenyl-d14	113	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB08-02	04-03-0917-12	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	75	31-142		Phenol-d6	75	30-136	
Nitrobenzene-d5	80	28-139		2-Fluorobiphenyl	77	33-144	
2,4,6-Tribromophenol	82	24-152		p-Terphenyl-d14	109	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB08-04	04-03-0917-14	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	81	31-142		Phenol-d6	80	30-136	
Nitrobenzene-d5	83	28-139		2-Fluorobiphenyl	85	33-144	
2,4,6-Tribromophenol	91	24-152		p-Terphenyl-d14	120	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 3545
Method:	EPA 8270C
Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB09-01	04-03-0917-15	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	79	31-142		Phenol-d6	78	30-136	
Nitrobenzene-d5	85	28-139		2-Fluorobiphenyl	86	33-144	
2,4,6-Tribromophenol	85	24-152		p-Terphenyl-d14	119	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB09-02	04-03-0917-16	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	82	31-142		Phenol-d6	81	30-136	
Nitrobenzene-d5	89	28-139		2-Fluorobiphenyl	89	33-144	
2,4,6-Tribromophenol	90	24-152		p-Terphenyl-d14	130	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB09-04	04-03-0917-18	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	82	31-142		Phenol-d6	80	30-136	
Nitrobenzene-d5	90	28-139		2-Fluorobiphenyl	91	33-144	
2,4,6-Tribromophenol	90	24-152		p-Terphenyl-d14	148	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB10-01	04-03-0917-19	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	9	31-142	2	Phenol-d6	20	30-136	2
Nitrobenzene-d5	65	28-139		2-Fluorobiphenyl	77	33-144	
2,4,6-Tribromophenol	6	24-152	2	p-Terphenyl-d14	166	23-160	2

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02			Page 1 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB10-01	04-03-0917-19	03/15/04	Solid	04/08/04	04/08/04	040408L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	71	31-142		Phenol-d6	62	30-136	
Nitrobenzene-d5	76	28-139		2-Fluorobiphenyl	83	33-144	
2,4,6-Tribromophenol	64	24-152		p-Terphenyl-d14	220	23-160	2

NOTE: Sample re-extracted and re-analyzed because of low acid surrogate recoveries in orignal run. Re-analysis performed outside the method prescribed holding time.

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 3545
Method:	EPA 8270C
Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB10-02	04-03-0917-20	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	26	31-142	2	Phenol-d6	39	30-136	
Nitrobenzene-d5	74	28-139		2-Fluorobiphenyl	85	33-144	
2,4,6-Tribromophenol	21	24-152	2	p-Terphenyl-d14	168	23-160	2

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02			Page 2 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB10-02	04-03-0917-20	03/15/04	Solid	04/08/04	04/08/04	040408L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	66	31-142		Phenol-d6	60	30-136	
Nitrobenzene-d5	69	28-139		2-Fluorobiphenyl	75	33-144	
2,4,6-Tribromophenol	65	24-152		p-Terphenyl-d14	209	23-160	2

NOTE: Sample re-extracted and re-analyzed because of low acid surrogate recoveries in orignal run. Re-analysis performed outside the method prescribed holding time.

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB10-04	04-03-0917-22	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	7	31-142	2	Phenol-d6	17	30-136	2
Nitrobenzene-d5	61	28-139		2-Fluorobiphenyl	94	33-144	
2,4,6-Tribromophenol	7	24-152	2	p-Terphenyl-d14	188	23-160	2

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB10-04	04-03-0917-22	03/15/04	Solid	04/08/04	04/08/04	040408L06

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	74	31-142		Phenol-d6	66	30-136	
Nitrobenzene-d5	78	28-139		2-Fluorobiphenyl	83	33-144	
2,4,6-Tribromophenol	71	24-152		p-Terphenyl-d14	290	23-160	2

NOTE: Sample re-extracted and re-analyzed because of low acid surrogate recoveries in orignal run. Re-analysis performed outside the method prescribed holding time.

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB12-01	04-03-0917-23	03/15/04	Solid	03/18/04	03/20/04	040318L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	78	31-142		Phenol-d6	77	30-136	
Nitrobenzene-d5	85	28-139		2-Fluorobiphenyl	84	33-144	
2,4,6-Tribromophenol	83	24-152		p-Terphenyl-d14	166	23-160	2

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB12-02	04-03-0917-24	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	83	31-142		Phenol-d6	82	30-136	
Nitrobenzene-d5	88	28-139		2-Fluorobiphenyl	91	33-144	
2,4,6-Tribromophenol	90	24-152		p-Terphenyl-d14	175	23-160	2

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB12-04	04-03-0917-26	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	83	31-142		Phenol-d6	81	30-136	
Nitrobenzene-d5	89	28-139		2-Fluorobiphenyl	88	33-144	
2,4,6-Tribromophenol	89	24-152		p-Terphenyl-d14	174	23-160	2

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 DP01-01	04-03-0917-27	03/15/04	Solid	03/18/04	03/20/04	040318L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	77	31-142		Phenol-d6	75	30-136	
Nitrobenzene-d5	82	28-139		2-Fluorobiphenyl	81	33-144	
2,4,6-Tribromophenol	82	24-152		p-Terphenyl-d14	165	23-160	2

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 DP01-02	04-03-0917-28	03/15/04	Solid	03/18/04	03/19/04	040318L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	84	31-142		Phenol-d6	91	30-136	
Nitrobenzene-d5	89	28-139		2-Fluorobiphenyl	83	33-144	
2,4,6-Tribromophenol	86	24-152		p-Terphenyl-d14	113	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB07-01	04-03-0917-30	03/15/04	Solid	03/18/04	03/19/04	040318L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	77	31-142		Phenol-d6	84	30-136	
Nitrobenzene-d5	84	28-139		2-Fluorobiphenyl	81	33-144	
2,4,6-Tribromophenol	87	24-152		p-Terphenyl-d14	113	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB07-02	04-03-0917-31	03/15/04	Solid	03/18/04	03/19/04	040318L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	81	31-142		Phenol-d6	85	30-136	
Nitrobenzene-d5	85	28-139		2-Fluorobiphenyl	80	33-144	
2,4,6-Tribromophenol	87	24-152		p-Terphenyl-d14	110	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB04-01	04-03-0917-33	03/15/04	Solid	03/18/04	03/20/04	040318L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	77	31-142		Phenol-d6	82	30-136	
Nitrobenzene-d5	87	28-139		2-Fluorobiphenyl	81	33-144	
2,4,6-Tribromophenol	91	24-152		p-Terphenyl-d14	134	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB04-02	04-03-0917-34	03/15/04	Solid	03/18/04	03/19/04	040318L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	80	31-142		Phenol-d6	87	30-136	
Nitrobenzene-d5	86	28-139		2-Fluorobiphenyl	79	33-144	
2,4,6-Tribromophenol	87	24-152		p-Terphenyl-d14	109	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB13-01	04-03-0917-36	03/15/04	Solid	03/18/04	03/20/04	040318L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	70	31-142		Phenol-d6	78	30-136	
Nitrobenzene-d5	77	28-139		2-Fluorobiphenyl	70	33-144	
2,4,6-Tribromophenol	87	24-152		p-Terphenyl-d14	99	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB13-02	04-03-0917-37	03/15/04	Solid	03/18/04	03/20/04	040318L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	67	31-142		Phenol-d6	75	30-136	
Nitrobenzene-d5	68	28-139		2-Fluorobiphenyl	60	33-144	
2,4,6-Tribromophenol	77	24-152		p-Terphenyl-d14	97	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB11-01	04-03-0917-39	03/15/04	Solid	03/18/04	03/20/04	040318L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	80	31-142		Phenol-d6	86	30-136	
Nitrobenzene-d5	91	28-139		2-Fluorobiphenyl	83	33-144	
2,4,6-Tribromophenol	95	24-152		p-Terphenyl-d14	128	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB11-02	04-03-0917-40	03/15/04	Solid	03/18/04	03/20/04	040318L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	68	31-142		Phenol-d6	81	30-136	
Nitrobenzene-d5	64	28-139		2-Fluorobiphenyl	66	33-144	
2,4,6-Tribromophenol	96	24-152		p-Terphenyl-d14	118	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB06-01	04-03-0917-42	03/15/04	Solid	03/18/04	03/20/04	040318L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	78	31-142		Phenol-d6	84	30-136	
Nitrobenzene-d5	88	28-139		2-Fluorobiphenyl	82	33-144	
2,4,6-Tribromophenol	99	24-152		p-Terphenyl-d14	120	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB06-02	04-03-0917-43	03/15/04	Solid	03/18/04	03/20/04	040318L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	75	31-142		Phenol-d6	82	30-136	
Nitrobenzene-d5	84	28-139		2-Fluorobiphenyl	78	33-144	
2,4,6-Tribromophenol	98	24-152		p-Terphenyl-d14	121	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB03-01	04-03-0917-45	03/15/04	Solid	03/18/04	03/20/04	040318L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	83	31-142		Phenol-d6	89	30-136	
Nitrobenzene-d5	91	28-139		2-Fluorobiphenyl	84	33-144	
2,4,6-Tribromophenol	104	24-152		p-Terphenyl-d14	128	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB03-02	04-03-0917-46	03/15/04	Solid	03/18/04	03/20/04	040318L04

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	68	31-142		Phenol-d6	75	30-136	
Nitrobenzene-d5	76	28-139		2-Fluorobiphenyl	65	33-144	
2,4,6-Tribromophenol	80	24-152		p-Terphenyl-d14	111	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-002-797**	**N/A**	**Solid**	**03/18/04**	**03/19/04**	**040318L03**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	71	31-142		Phenol-d6	71	30-136	
Nitrobenzene-d5	80	28-139		2-Fluorobiphenyl	82	33-144	
2,4,6-Tribromophenol	79	24-152		p-Terphenyl-d14	100	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-002-798**	**N/A**	**Solid**	**03/18/04**	**03/19/04**	**040318L04**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	80	31-142		Phenol-d6	87	30-136	
Nitrobenzene-d5	86	28-139		2-Fluorobiphenyl	82	33-144	
2,4,6-Tribromophenol	80	24-152		p-Terphenyl-d14	109	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0917
Santa Ana, CA 92707-8794		Preparation:	EPA 3545
		Method:	EPA 8270C
		Units:	mg/kg
Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02			Page 4 of 4

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-002-811**	**N/A**	**Solid**	**04/08/04**	**04/08/04**	**040408L06**

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	0.50	0.099	1		2,4-Dinitrophenol	ND	2.5	0.056	1	
Aniline	ND	0.50	0.13	1		4-Nitrophenol	ND	0.50	0.093	1	
Phenol	ND	0.50	0.11	1		Dibenzofuran	ND	0.50	0.11	1	
Bis(2-Chloroethyl) Ether	ND	2.5	0.085	1		2,4-Dinitrotoluene	ND	0.50	0.11	1	
2-Chlorophenol	ND	0.50	0.093	1		2,6-Dinitrotoluene	ND	0.50	0.11	1	
1,3-Dichlorobenzene	ND	0.50	0.089	1		Diethyl Phthalate	ND	0.50	0.10	1	
1,4-Dichlorobenzene	ND	0.50	0.090	1		4-Chlorophenyl-Phenyl Ether	ND	0.50	0.099	1	
Benzyl Alcohol	ND	0.50	0.10	1		Fluorene	ND	0.40	0.10	1	
1,2-Dichlorobenzene	ND	0.50	0.088	1		4-Nitroaniline	ND	0.50	0.099	1	
2-Methylphenol	ND	0.50	0.10	1		Azobenzene	ND	0.50	0.13	1	
Bis(2-Chloroisopropyl) Ether	ND	0.50	0.12	1		4,6-Dinitro-2-Methylphenol	ND	2.5	0.084	1	
3/4-Methylphenol	ND	0.50	0.099	1		N-Nitrosodiphenylamine	ND	0.50	0.10	1	
N-Nitroso-di-n-propylamine	ND	0.50	0.11	1		2,4,6-Trichlorophenol	ND	0.50	0.097	1	
Hexachloroethane	ND	0.50	0.089	1		4-Bromophenyl-Phenyl Ether	ND	0.50	0.098	1	
Nitrobenzene	ND	2.5	0.11	1		Hexachlorobenzene	ND	0.50	0.099	1	
Isophorone	ND	0.50	0.11	1		Pentachlorophenol	ND	2.5	0.076	1	
2-Nitrophenol	ND	0.50	0.11	1		Phenanthrene	ND	0.40	0.10	1	
2,4-Dimethylphenol	ND	0.50	0.11	1		Anthracene	ND	0.40	0.11	1	
Benzoic Acid	ND	2.5	0.10	1		Di-n-Butyl Phthalate	ND	0.50	0.13	1	
Bis(2-Chloroethoxy) Methane	ND	0.50	0.11	1		Fluoranthene	ND	0.40	0.10	1	
2,4-Dichlorophenol	ND	0.50	0.090	1		Benzidine	ND	10	1.2	1	
1,2,4-Trichlorobenzene	ND	0.50	0.088	1		Pyrene	ND	0.40	0.11	1	
Naphthalene	ND	0.40	0.11	1		Pyridine	ND	0.50	0.085	1	
4-Chloroaniline	ND	0.50	0.10	1		Butyl Benzyl Phthalate	ND	0.50	0.13	1	
Hexachloro-1,3-Butadiene	ND	0.50	0.086	1		3,3'-Dichlorobenzidine	ND	0.50	0.15	1	
4-Chloro-3-Methylphenol	ND	0.50	0.10	1		Benzo (a) Anthracene	ND	0.40	0.099	1	
2-Methylnaphthalene	ND	0.40	0.10	1		Bis(2-Ethylhexyl) Phthalate	ND	0.50	0.13	1	
1-Methylnaphthalene	ND	0.40	0.10	1		Chrysene	ND	0.40	0.099	1	
Hexachlorocyclopentadiene	ND	1.5	0.080	1		Di-n-Octyl Phthalate	ND	0.50	0.12	1	
2,4,5-Trichlorophenol	ND	0.50	0.10	1		Benzo (k) Fluoranthene	ND	0.40	0.13	1	
2-Chloronaphthalene	ND	0.50	0.10	1		Benzo (b) Fluoranthene	ND	0.40	0.083	1	
2-Nitroaniline	ND	0.50	0.12	1		Benzo (a) Pyrene	ND	0.35	0.095	1	
Dimethyl Phthalate	ND	0.50	0.10	1		Indeno (1,2,3-c,d) Pyrene	ND	0.40	0.087	1	
Acenaphthylene	ND	0.40	0.11	1		Dibenz (a,h) Anthracene	ND	0.40	0.084	1	
3-Nitroaniline	ND	0.50	0.096	1		Benzo (g,h,i) Perylene	ND	0.40	0.083	1	
Acenaphthene	ND	0.40	0.11	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	79	31-142		Phenol-d6	83	30-136	
Nitrobenzene-d5	87	28-139		2-Fluorobiphenyl	87	33-144	
2,4,6-Tribromophenol	78	24-152		p-Terphenyl-d14	104	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0917
Preparation:	EPA 3520B
Method:	EPA 8270C
Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 EB01	04-03-0917-48	03/15/04	Aqueous	N/A	03/19/04	040315L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	10	1.1	1		2,4-Dinitrophenol	ND	50	2.6	1	
Aniline	ND	10	1.2	1		4-Nitrophenol	ND	10	0.86	1	
Phenol	ND	10	1.2	1		Dibenzofuran	ND	10	1.4	1	
Bis(2-Chloroethyl) Ether	ND	25	1.0	1		2,4-Dinitrotoluene	ND	10	1.0	1	
2-Chlorophenol	ND	10	1.0	1		2,6-Dinitrotoluene	ND	10	1.1	1	
1,3-Dichlorobenzene	ND	10	1.2	1		Diethyl Phthalate	ND	10	1.4	1	
1,4-Dichlorobenzene	ND	10	1.1	1		4-Chlorophenyl-Phenyl Ether	ND	10	1.2	1	
Benzyl Alcohol	ND	10	1.0	1		Fluorene	ND	10	1.4	1	
1,2-Dichlorobenzene	ND	10	1.1	1		4-Nitroaniline	ND	10	2.4	1	
2-Methylphenol	ND	10	1.1	1		Azobenzene	ND	10	1.7	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1.5	1		4,6-Dinitro-2-Methylphenol	ND	50	3.4	1	
3/4-Methylphenol	ND	10	1.0	1		N-Nitrosodiphenylamine	ND	10	1.4	1	
N-Nitroso-di-n-propylamine	ND	10	1.3	1		4-Bromophenyl-Phenyl Ether	ND	10	1.2	1	
Hexachloroethane	ND	10	0.98	1		Hexachlorobenzene	ND	10	1.2	1	
Nitrobenzene	ND	25	1.3	1		Pentachlorophenol	ND	10	0.75	1	
Isophorone	ND	10	1.2	1		Phenanthrene	ND	10	1.5	1	
2-Nitrophenol	ND	10	1.2	1		Anthracene	ND	10	1.5	1	
2,4-Dimethylphenol	ND	10	1.2	1		Di-n-Butyl Phthalate	ND	10	1.5	1	
Benzoic Acid	ND	50	0.43	1		Fluoranthene	ND	10	1.5	1	
Bis(2-Chloroethoxy) Methane	ND	10	1.2	1		Benzidine	ND	50	0.62	1	
2,4-Dichlorophenol	ND	10	1.1	1		Pyrene	ND	10	1.4	1	
1,2,4-Trichlorobenzene	ND	10	1.3	1		Pyridine	ND	10	1.4	1	
Naphthalene	ND	10	1.4	1		Butyl Benzyl Phthalate	ND	10	1.0	1	
4-Chloroaniline	ND	10	1.3	1		3,3'-Dichlorobenzidine	ND	25	1.3	1	
Hexachloro-1,3-Butadiene	ND	10	1.2	1		Benzo (a) Anthracene	ND	10	1.1	1	
4-Chloro-3-Methylphenol	ND	10	1.2	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1.0	1	
2-Methylnaphthalene	ND	10	1.2	1		Chrysene	ND	10	1.3	1	
Hexachlorocyclopentadiene	ND	25	0.44	1		Di-n-Octyl Phthalate	ND	10	1.0	1	
2,4,6-Trichlorophenol	ND	10	1.2	1		Benzo (k) Fluoranthene	ND	10	1.7	1	
2,4,5-Trichlorophenol	ND	10	0.97	1		Benzo (b) Fluoranthene	ND	10	1.2	1	
2-Chloronaphthalene	ND	10	1.3	1		Benzo (a) Pyrene	ND	10	0.88	1	
2-Nitroaniline	ND	10	1.0	1		Benzo (g,h,i) Perylene	ND	10	0.71	1	
Dimethyl Phthalate	ND	10	1.3	1		Indeno (1,2,3-c,d) Pyrene	ND	10	0.83	1	
Acenaphthylene	ND	10	1.4	1		Dibenz (a,h) Anthracene	ND	10	0.82	1	
3-Nitroaniline	ND	10	1.2	1		1-Methylnaphthalene	ND	10	1.4	1	
Acenaphthene	ND	10	1.4	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	72	15-138		Phenol-d6	53	17-141	
Nitrobenzene-d5	82	28-139		2-Fluorobiphenyl	94	33-144	
2,4,6-Tribromophenol	84	32-143		p-Terphenyl-d14	101	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3520B
Method: EPA 8270C
Units: ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	095-01-003-1,436	N/A	Aqueous	03/15/04	03/17/04	040315L03

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
N-Nitrosodimethylamine	ND	10	1.1	1		2,4-Dinitrophenol	ND	50	2.6	1	
Aniline	ND	10	1.2	1		4-Nitrophenol	ND	10	0.86	1	
Phenol	ND	10	1.2	1		Dibenzofuran	ND	10	1.4	1	
Bis(2-Chloroethyl) Ether	ND	25	1.0	1		2,4-Dinitrotoluene	ND	10	1.0	1	
2-Chlorophenol	ND	10	1.0	1		2,6-Dinitrotoluene	ND	10	1.1	1	
1,3-Dichlorobenzene	ND	10	1.2	1		Diethyl Phthalate	ND	10	1.4	1	
1,4-Dichlorobenzene	ND	10	1.1	1		4-Chlorophenyl-Phenyl Ether	ND	10	1.2	1	
Benzyl Alcohol	ND	10	1.0	1		Fluorene	ND	10	1.4	1	
1,2-Dichlorobenzene	ND	10	1.1	1		4-Nitroaniline	ND	10	2.4	1	
2-Methylphenol	ND	10	1.1	1		Azobenzene	ND	10	1.7	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1.5	1		4,6-Dinitro-2-Methylphenol	ND	50	3.4	1	
3/4-Methylphenol	ND	10	1.0	1		N-Nitrosodiphenylamine	ND	10	1.4	1	
N-Nitroso-di-n-propylamine	ND	10	1.3	1		4-Bromophenyl-Phenyl Ether	ND	10	1.2	1	
Hexachloroethane	ND	10	0.98	1		Hexachlorobenzene	ND	10	1.2	1	
Nitrobenzene	ND	25	1.3	1		Pentachlorophenol	ND	10	0.75	1	
Isophorone	ND	10	1.2	1		Phenanthrene	ND	10	1.5	1	
2-Nitrophenol	ND	10	1.2	1		Anthracene	ND	10	1.5	1	
2,4-Dimethylphenol	ND	10	1.2	1		Di-n-Butyl Phthalate	ND	10	1.5	1	
Benzoic Acid	ND	50	0.43	1		Fluoranthene	ND	10	1.5	1	
Bis(2-Chloroethoxy) Methane	ND	10	1.2	1		Benzidine	ND	50	0.62	1	
2,4-Dichlorophenol	ND	10	1.1	1		Pyrene	ND	10	1.4	1	
1,2,4-Trichlorobenzene	ND	10	1.3	1		Pyridine	ND	10	1.4	1	
Naphthalene	ND	10	1.4	1		Butyl Benzyl Phthalate	ND	10	1.0	1	
4-Chloroaniline	ND	10	1.3	1		3,3'-Dichlorobenzidine	ND	25	1.3	1	
Hexachloro-1,3-Butadiene	ND	10	1.2	1		Benzo (a) Anthracene	ND	10	1.1	1	
4-Chloro-3-Methylphenol	ND	10	1.2	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1.0	1	
2-Methylnaphthalene	ND	10	1.2	1		Chrysene	ND	10	1.3	1	
Hexachlorocyclopentadiene	ND	25	0.44	1		Di-n-Octyl Phthalate	ND	10	1.0	1	
2,4,6-Trichlorophenol	ND	10	1.2	1		Benzo (k) Fluoranthene	ND	10	1.7	1	
2,4,5-Trichlorophenol	ND	10	0.97	1		Benzo (b) Fluoranthene	ND	10	1.2	1	
2-Chloronaphthalene	ND	10	1.3	1		Benzo (a) Pyrene	ND	10	0.88	1	
2-Nitroaniline	ND	10	1.0	1		Benzo (g,h,i) Perylene	ND	10	0.71	1	
Dimethyl Phthalate	ND	10	1.3	1		Indeno (1,2,3-c,d) Pyrene	ND	10	0.83	1	
Acenaphthylene	ND	10	1.4	1		Dibenz (a,h) Anthracene	ND	10	0.82	1	
3-Nitroaniline	ND	10	1.2	1		1-Methylnaphthalene	ND	10	1.4	1	
Acenaphthene	ND	10	1.4	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorophenol	53	15-138		Phenol-d6	58	17-141	
Nitrobenzene-d5	67	28-139		2-Fluorobiphenyl	55	33-144	
2,4,6-Tribromophenol	93	32-143		p-Terphenyl-d14	118	23-160	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B
Method: EPA 6010B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB08-01	Solid	ICP 3300	03/16/04	03/17/04	040316S05

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	53	53	50-115	1	0-20	
Arsenic	101	91	75-125	7	0-20	
Barium	4X	4X	75-125	4X	0-20	Q
Beryllium	110	105	75-125	4	0-20	
Cadmium	102	100	75-125	2	0-20	
Chromium (Total)	102	95	75-125	5	0-20	
Cobalt	105	101	75-125	3	0-20	
Copper	110	102	75-125	4	0-20	
Lead	4X	4X	75-125	4X	0-20	Q
Molybdenum	90	88	75-125	3	0-20	
Nickel	98	92	75-125	4	0-20	
Selenium	97	92	75-125	5	0-20	
Silver	108	107	75-125	1	0-20	
Thallium	70	86	75-125	20	0-20	3
Vanadium	114	103	75-125	6	0-20	
Zinc	4X	4X	75-125	4X	0-20	Q

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B
Method: EPA 6010B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB09-02	Solid	ICP 3300	03/16/04	03/17/04	040316S05A

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	60	60	50-115	0	0-20	
Arsenic	111	97	75-125	12	0-20	
Barium	104	119	75-125	5	0-20	
Beryllium	105	106	75-125	1	0-20	
Cadmium	101	102	75-125	1	0-20	
Chromium (Total)	100	102	75-125	1	0-20	
Cobalt	100	103	75-125	2	0-20	
Copper	109	111	75-125	1	0-20	
Lead	128	105	75-125	10	0-20	3
Molybdenum	88	89	75-125	0	0-20	
Nickel	84	90	75-125	4	0-20	
Selenium	93	93	75-125	0	0-20	
Silver	103	105	75-125	2	0-20	
Thallium	88	89	75-125	1	0-20	
Vanadium	98	114	75-125	5	0-20	
Zinc	157	102	75-125	11	0-20	3

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B
Method: EPA 6010B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB10-02	Solid	ICP 3300	03/16/04	03/17/04	040316S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	54	47	50-115	13	0-20	3
Arsenic	95	97	75-125	2	0-20	
Barium	77	130	75-125	15	0-20	3
Beryllium	105	105	75-125	0	0-20	
Cadmium	99	98	75-125	2	0-20	
Chromium (Total)	95	100	75-125	4	0-20	
Cobalt	98	99	75-125	1	0-20	
Copper	107	111	75-125	3	0-20	
Lead	92	95	75-125	3	0-20	
Molybdenum	86	85	75-125	1	0-20	
Nickel	88	91	75-125	2	0-20	
Selenium	91	91	75-125	0	0-20	
Silver	106	109	75-125	3	0-20	
Thallium	85	84	75-125	1	0-20	
Vanadium	93	106	75-125	7	0-20	
Zinc	82	102	75-125	12	0-20	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B
Method: EPA 6010B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB12-01	Solid	ICP 3300	03/16/04	03/17/04	040316S06A

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	53	54	50-115	1	0-20	
Arsenic	93	97	75-125	4	0-20	
Barium	140	113	75-125	6	0-20	3
Beryllium	103	105	75-125	2	0-20	
Cadmium	97	97	75-125	1	0-20	
Chromium (Total)	96	95	75-125	1	0-20	
Cobalt	99	100	75-125	0	0-20	
Copper	109	108	75-125	1	0-20	
Lead	91	93	75-125	1	0-20	
Molybdenum	87	91	75-125	4	0-20	
Nickel	91	120	75-125	8	0-20	
Selenium	94	95	75-125	1	0-20	
Silver	107	107	75-125	0	0-20	
Thallium	86	85	75-125	1	0-20	
Vanadium	4X	4X	75-125	4X	0-20	Q
Zinc	84	82	75-125	1	0-20	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 3050B
Method:	EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-5,248	Solid	ICP 3300	03/16/04	03/17/04	040316L05

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	97	94	80-120	3	0-20	
Arsenic	98	94	80-120	4	0-20	
Barium	105	105	80-120	0	0-20	
Beryllium	102	102	80-120	0	0-20	
Cadmium	102	102	80-120	0	0-20	
Chromium (Total)	97	97	80-120	0	0-20	
Cobalt	105	105	80-120	1	0-20	
Copper	101	99	80-120	2	0-20	
Lead	99	97	80-120	2	0-20	
Molybdenum	96	92	80-120	4	0-20	
Nickel	98	98	80-120	1	0-20	
Selenium	95	92	80-120	3	0-20	
Silver	96	96	80-120	0	0-20	
Thallium	97	94	80-120	3	0-20	
Vanadium	101	102	80-120	1	0-20	
Zinc	94	92	80-120	3	0-20	

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Quality Control - Laboratory Control Sample

CH2M Hill
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Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received: N/A
Work Order No: 04-03-0917
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-002-5,249	Solid	ICP 3300	03/17/04	040316-I-06	040316L06

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Antimony	50.0	48.3	97	80-120	
Arsenic	50.0	47.4	95	80-120	
Barium	50.0	53.8	108	80-120	
Beryllium	50.0	51.7	103	80-120	
Cadmium	50.0	51.9	104	80-120	
Chromium (Total)	50.0	50.3	101	80-120	
Cobalt	50.0	53.3	107	80-120	
Copper	50.0	51.4	103	80-120	
Lead	50.0	49.7	99	80-120	
Molybdenum	50.0	47.0	94	80-120	
Nickel	50.0	50.4	101	80-120	
Selenium	50.0	46.0	92	80-120	
Silver	25.0	24.7	99	80-120	
Thallium	50.0	47.7	95	80-120	
Vanadium	50.0	51.8	104	80-120	
Zinc	50.0	46.8	94	80-120	

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Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
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Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB08-01	Solid	Mercury	03/16/04	03/17/04	040316S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	93	90	76-136	3	0-16	

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Quality Control - Spike/Spike Duplicate

CH2M Hill
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Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB09-02	Solid	Mercury	03/16/04	03/17/04	040316S02A

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	109	111	76-136	2	0-16	

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Quality Control - Spike/Spike Duplicate

CH2M Hill
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Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB10-02	Solid	Mercury	03/16/04	03/17/04	040316S02B

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	107	110	76-136	2	0-16	

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Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
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Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB12-01	Solid	Mercury	03/16/04	03/17/04	040316S03

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	97	98	76-136	2	0-16	

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Quality Control - Laboratory Control Sample

CH2M Hill
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Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received: N/A
Work Order No: 04-03-0917
Preparation: EPA 7471A Total
Method: EPA 7471A

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-04-007-2,481	Solid	Mercury	03/17/04	040316L02	040316L02

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Mercury	0.835	0.895	107	82-124	

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Quality Control - Laboratory Control Sample

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Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received: N/A
Work Order No: 04-03-0917
Preparation: EPA 7471A Total
Method: EPA 7471A

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-04-007-2,482	Solid	Mercury	03/17/04	040316L03	040316L03

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Mercury	0.835	0.908	109	82-124	

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Quality Control - Spike/Spike Duplicate

CH2M Hill
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Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8081A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB08-01	Solid	GC 16	03/18/04	03/20/04	040318S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gamma-BHC	108	99	50-135	9	0-25	
Heptachlor	103	102	50-135	0	0-25	
Endosulfan I	85	85	50-135	0	0-25	
Dieldrin	139	144	50-135	3	0-25	3
Endrin	78	80	50-135	3	0-25	
4,4'-DDT	106	0	50-135	71	0-25	3,4

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Quality Control - Spike/Spike Duplicate

CH2M Hill
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Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8081A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB09-02	Solid	GC 7	03/18/04	03/20/04	040318S05A

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gamma-BHC	99	98	50-135	1	0-25	
Heptachlor	88	86	50-135	2	0-25	
Endosulfan I	82	83	50-135	0	0-25	
Dieldrin	90	93	50-135	2	0-25	
Endrin	75	76	50-135	1	0-25	
4,4'-DDT	75	71	50-135	5	0-25	

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Quality Control - Spike/Spike Duplicate

CH2M Hill
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Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8081A/8082

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB10-02	Solid	GC 7	03/18/04	03/20/04	040318S05B

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gamma-BHC	103	100	50-135	3	0-25	
Heptachlor	95	91	50-135	4	0-25	
Endosulfan I	87	84	50-135	4	0-25	
Dieldrin	106	92	50-135	14	0-25	
Endrin	91	83	50-135	10	0-25	
4,4'-DDT	94	147	50-135	44	0-25	3,4

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Quality Control - Spike/Spike Duplicate

CH2M Hill
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Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8081A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB12-01	Solid	GC 7	03/18/04	03/20/04	040318S05

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gamma-BHC	99	103	50-135	5	0-25	
Heptachlor	98	105	50-135	7	0-25	
Endosulfan I	88	93	50-135	5	0-25	
Dieldrin	95	101	50-135	7	0-25	
Endrin	93	98	50-135	5	0-25	
4,4'-DDT	0	0	50-135	10	0-25	3

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Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 3545
Method:	EPA 8081A/8082

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-014-2,563	Solid	GC 7	03/18/04	03/22/04	040318L05

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gamma-BHC	131	126	50-135	3	0-25	
Heptachlor	120	116	50-135	3	0-25	
Endosulfan I	116	112	50-135	3	0-25	
Dieldrin	123	120	50-135	2	0-25	
Endrin	98	94	50-135	4	0-25	
4,4'-DDT	102	105	50-135	3	0-25	
Aroclor-1260	102	100	50-135	2	0-25	

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Quality Control - LCS/LCS Duplicate

CH2M Hill
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Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 3545
Method:	EPA 8081A

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-011-354	Solid	GC 7	03/18/04	03/22/04	040318L05

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gamma-BHC	131	126	50-135	3	0-25	
Heptachlor	120	116	50-135	3	0-25	
Endosulfan I	116	112	50-135	3	0-25	
Dieldrin	123	120	50-135	2	0-25	
Endrin	98	94	50-135	4	0-25	
4,4'-DDT	102	105	50-135	3	0-25	

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Quality Control - LCS/LCS Duplicate

CH2M Hill
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Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 3545
Method:	EPA 8081A

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-011-353	Solid	GC 16	03/18/04	03/19/04	040318L06

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gamma-BHC	123	118	50-135	4	0-25	
Heptachlor	110	107	50-135	3	0-25	
Endosulfan I	108	105	50-135	2	0-25	
Dieldrin	114	111	50-135	3	0-25	
Endrin	92	81	50-135	13	0-25	
4,4'-DDT	107	102	50-135	5	0-25	

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Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 5035
Method: EPA 8260B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB08-01	Solid	GC/MS W	03/16/04	03/16/04	040316S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	68	76	76-124	6	0-15	3
Carbon Tetrachloride	63	71	66-137	7	0-16	3
Chlorobenzene	61	72	72-129	13	0-21	3
1,2-Dichlorobenzene	48	57	79-121	14	0-20	3
1,1-Dichloroethene	71	79	59-131	6	0-14	
Toluene	65	75	72-130	9	0-16	3
Trichloroethene	65	76	69-130	10	0-18	3
Vinyl Chloride	69	76	51-136	5	0-21	
Methyl-t-Butyl Ether (MTBE)	76	83	69-149	3	0-17	
Tert-Butyl Alcohol (TBA)	87	92	49-145	2	0-25	
Ethanol	86	97	70-130	6	0-30	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
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Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 5035
Method: EPA 8260B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB09-02	Solid	GC/MS S	03/16/04	03/16/04	040316S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	78	82	76-124	5	0-15	
Carbon Tetrachloride	76	83	66-137	8	0-16	
Chlorobenzene	67	74	72-129	9	0-21	3
1,2-Dichlorobenzene	60	68	79-121	12	0-20	3
1,1-Dichloroethene	82	82	59-131	1	0-14	
Toluene	74	77	72-130	4	0-16	3
Trichloroethene	68	71	69-130	4	0-18	3
Vinyl Chloride	80	83	51-136	4	0-21	
Methyl-t-Butyl Ether (MTBE)	81	84	69-149	4	0-17	
Tert-Butyl Alcohol (TBA)	91	86	49-145	6	0-25	
Ethanol	76	72	70-130	6	0-30	

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Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 5035
Method: EPA 8260B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB10-02	Solid	GC/MS S	03/16/04	03/17/04	040316S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	99	76-124	1	0-15	
Carbon Tetrachloride	102	106	66-137	4	0-16	
Chlorobenzene	72	73	72-129	2	0-21	
1,2-Dichlorobenzene	59	57	79-121	2	0-20	3
1,1-Dichloroethene	97	101	59-131	4	0-14	
Toluene	89	89	72-130	1	0-16	
Trichloroethene	82	86	69-130	5	0-18	
Vinyl Chloride	95	97	51-136	2	0-21	
Methyl-t-Butyl Ether (MTBE)	95	96	69-149	1	0-17	
Tert-Butyl Alcohol (TBA)	109	122	49-145	11	0-25	
Ethanol	105	121	70-130	14	0-30	

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Quality Control - Spike/Spike Duplicate

CH2M Hill
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Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 5035
Method: EPA 8260B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB12-01	Solid	GC/MS S	03/16/04	03/18/04	040318S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	100	76-124	5	0-15	
Carbon Tetrachloride	92	93	66-137	4	0-16	
Chlorobenzene	97	96	72-129	6	0-21	
1,2-Dichlorobenzene	103	96	79-121	12	0-20	
1,1-Dichloroethene	105	109	59-131	2	0-14	
Toluene	98	99	72-130	5	0-16	
Trichloroethene	99	99	69-130	5	0-18	
Vinyl Chloride	96	101	51-136	1	0-21	
Methyl-t-Butyl Ether (MTBE)	113	118	69-149	1	0-17	
Tert-Butyl Alcohol (TBA)	126	129	49-145	4	0-25	
Ethanol	121	119	70-130	7	0-30	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 5035
Method:	EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-8,428	Solid	GC/MS S	N/A	03/16/04	040316L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	105	76-124	3	0-15	
Carbon Tetrachloride	113	111	66-137	2	0-16	
Chlorobenzene	100	101	72-129	2	0-21	
1,2-Dichlorobenzene	101	102	79-121	1	0-20	
1,1-Dichloroethene	107	106	59-131	1	0-14	
Toluene	102	103	72-130	1	0-16	
Trichloroethene	98	100	69-130	2	0-18	
Vinyl Chloride	102	101	51-136	1	0-21	
Methyl-t-Butyl Ether (MTBE)	99	100	69-149	1	0-17	
Tert-Butyl Alcohol (TBA)	96	101	49-145	5	0-25	
Diisopropyl Ether (DIPE)	98	96	73-133	2	0-25	
Ethyl-t-Butyl Ether (ETBE)	93	94	73-132	1	0-25	
Tert-Amyl-Methyl Ether (TAME)	92	96	82-120	4	0-25	
Ethanol	90	92	70-130	3	0-30	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 5035
Method:	EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-8,430	Solid	GC/MS W	N/A	03/16/04	040316L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	91	76-124	4	0-15	
Carbon Tetrachloride	102	90	66-137	12	0-16	
Chlorobenzene	97	96	72-129	1	0-21	
1,2-Dichlorobenzene	96	96	79-121	0	0-20	
1,1-Dichloroethene	99	91	59-131	8	0-14	
Toluene	95	91	72-130	4	0-16	
Trichloroethene	97	91	69-130	6	0-18	
Vinyl Chloride	96	85	51-136	11	0-21	
Methyl-t-Butyl Ether (MTBE)	104	99	69-149	5	0-17	
Tert-Butyl Alcohol (TBA)	96	101	49-145	5	0-25	
Diisopropyl Ether (DIPE)	98	93	73-133	4	0-25	
Ethyl-t-Butyl Ether (ETBE)	104	98	73-132	6	0-25	
Tert-Amyl-Methyl Ether (TAME)	99	96	82-120	3	0-25	
Ethanol	117	108	70-130	7	0-30	

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Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 5035
Method:	EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-8,434	Solid	GC/MS S	N/A	03/16/04	040316L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	99	76-124	1	0-15	
Carbon Tetrachloride	104	106	66-137	1	0-16	
Chlorobenzene	98	97	72-129	2	0-21	
1,2-Dichlorobenzene	98	98	79-121	0	0-20	
1,1-Dichloroethene	100	99	59-131	2	0-14	
Toluene	99	99	72-130	1	0-16	
Trichloroethene	95	96	69-130	1	0-18	
Vinyl Chloride	96	94	51-136	2	0-21	
Methyl-t-Butyl Ether (MTBE)	99	98	69-149	1	0-17	
Tert-Butyl Alcohol (TBA)	94	91	49-145	3	0-25	
Diisopropyl Ether (DIPE)	95	94	73-133	0	0-25	
Ethyl-t-Butyl Ether (ETBE)	96	95	73-132	0	0-25	
Tert-Amyl-Methyl Ether (TAME)	96	97	82-120	1	0-25	
Ethanol	81	84	70-130	4	0-30	

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Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
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Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 5035
Method:	EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-8,433	Solid	GC/MS S	N/A	03/16/04	040316L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	99	76-124	1	0-15	
Carbon Tetrachloride	104	106	66-137	1	0-16	
Chlorobenzene	98	97	72-129	2	0-21	
1,2-Dichlorobenzene	98	98	79-121	0	0-20	
1,1-Dichloroethene	100	99	59-131	2	0-14	
Toluene	99	99	72-130	1	0-16	
Trichloroethene	95	96	69-130	1	0-18	
Vinyl Chloride	96	94	51-136	2	0-21	
Methyl-t-Butyl Ether (MTBE)	99	98	69-149	1	0-17	
Tert-Butyl Alcohol (TBA)	94	91	49-145	3	0-25	
Diisopropyl Ether (DIPE)	95	94	73-133	0	0-25	
Ethyl-t-Butyl Ether (ETBE)	96	95	73-132	0	0-25	
Tert-Amyl-Methyl Ether (TAME)	96	97	82-120	1	0-25	
Ethanol	81	84	70-130	4	0-30	

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Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 5035
Method:	EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-8,460	Solid	GC/MS S	N/A	03/19/04	040319L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	97	76-124	0	0-15	
Carbon Tetrachloride	104	102	66-137	1	0-16	
Chlorobenzene	98	98	72-129	0	0-21	
1,2-Dichlorobenzene	98	97	79-121	1	0-20	
1,1-Dichloroethene	101	100	59-131	1	0-14	
Toluene	98	98	72-130	0	0-16	
Trichloroethene	97	97	69-130	0	0-18	
Vinyl Chloride	94	94	51-136	0	0-21	
Methyl-t-Butyl Ether (MTBE)	104	104	69-149	1	0-17	
Tert-Butyl Alcohol (TBA)	105	113	49-145	8	0-25	
Diisopropyl Ether (DIPE)	99	98	73-133	1	0-25	
Ethyl-t-Butyl Ether (ETBE)	104	104	73-132	0	0-25	
Tert-Amyl-Methyl Ether (TAME)	102	104	82-120	2	0-25	
Ethanol	97	98	70-130	1	0-30	

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Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 5035
Method:	EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-8,446	Solid	GC/MS S	N/A	03/18/04	040318L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	95	76-124	1	0-15	
Carbon Tetrachloride	91	91	66-137	0	0-16	
Chlorobenzene	98	99	72-129	0	0-21	
1,2-Dichlorobenzene	98	98	79-121	0	0-20	
1,1-Dichloroethene	96	96	59-131	0	0-14	
Toluene	96	96	72-130	1	0-16	
Trichloroethene	93	94	69-130	1	0-18	
Vinyl Chloride	88	88	51-136	1	0-21	
Methyl-t-Butyl Ether (MTBE)	97	97	69-149	0	0-17	
Tert-Butyl Alcohol (TBA)	93	89	49-145	4	0-25	
Diisopropyl Ether (DIPE)	95	96	73-133	0	0-25	
Ethyl-t-Butyl Ether (ETBE)	96	96	73-132	0	0-25	
Tert-Amyl-Methyl Ether (TAME)	94	95	82-120	1	0-25	
Ethanol	95	102	70-130	7	0-30	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 5030B
Method: EPA 8260B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-03-0972-3	Aqueous	GC/MS U	N/A	03/17/04	040316S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	99	85-121	0	0-11	
Carbon Tetrachloride	98	96	70-142	2	0-16	
Chlorobenzene	99	99	84-120	0	0-10	
1,2-Dichlorobenzene	101	100	84-120	1	0-10	
1,1-Dichloroethene	97	93	78-138	4	0-16	
Toluene	98	98	86-122	0	0-11	
Trichloroethene	100	100	85-121	0	0-12	
Vinyl Chloride	83	85	71-131	2	0-19	
Methyl-t-Butyl Ether (MTBE)	96	102	68-128	7	0-16	
Tert-Butyl Alcohol (TBA)	77	107	25-157	32	0-35	
Diisopropyl Ether (DIPE)	97	99	76-124	2	0-12	
Ethyl-t-Butyl Ether (ETBE)	95	98	75-123	3	0-13	
Tert-Amyl-Methyl Ether (TAME)	93	100	72-120	7	0-12	
Ethanol	73	93	51-135	24	0-30	

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Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 5030B
Method:	EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-10,255	Aqueous	GC/MS U	N/A	03/17/04	040316L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	99	91-115	0	0-8	
Carbon Tetrachloride	96	99	77-143	3	0-10	
Chlorobenzene	99	99	88-118	0	0-7	
1,2-Dichlorobenzene	102	99	88-118	3	0-8	
1,1-Dichloroethene	99	99	85-133	0	0-11	
Toluene	98	98	83-125	0	0-10	
Trichloroethene	100	100	85-121	0	0-8	
Vinyl Chloride	91	93	76-130	2	0-10	
Methyl-t-Butyl Ether (MTBE)	103	104	83-119	0	0-12	
Tert-Butyl Alcohol (TBA)	81	91	47-149	12	0-22	
Diisopropyl Ether (DIPE)	100	100	82-118	0	0-10	
Ethyl-t-Butyl Ether (ETBE)	101	100	86-116	2	0-11	
Tert-Amyl-Methyl Ether (TAME)	99	100	81-117	1	0-9	
Ethanol	83	90	60-132	8	0-19	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB08-01	Solid	GC/MS J	03/18/04	03/20/04	040318S04A

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	104	105	48-114	1	0-18	
2-Chlorophenol	104	103	45-111	1	0-18	
1,4-Dichlorobenzene	97	98	45-111	1	0-19	
N-Nitroso-di-n-propylamine	110	111	44-116	0	0-18	
1,2,4-Trichlorobenzene	99	99	44-122	1	0-18	
4-Chloro-3-Methylphenol	108	107	52-124	1	0-17	
Acenaphthene	93	94	49-121	1	0-20	
4-Nitrophenol	98	104	40-130	6	0-20	
2,4-Dinitrotoluene	117	115	43-145	2	0-19	
Pentachlorophenol	108	108	19-127	1	0-48	
Pyrene	178	184	18-168	3	0-22	3

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Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB09-02	Solid	GC/MS P	03/18/04	03/20/04	040318S03

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	108	107	48-114	2	0-18	
2-Chlorophenol	109	108	45-111	1	0-18	
1,4-Dichlorobenzene	103	101	45-111	2	0-19	
N-Nitroso-di-n-propylamine	116	116	44-116	1	0-18	
1,2,4-Trichlorobenzene	103	100	44-122	3	0-18	
4-Chloro-3-Methylphenol	112	112	52-124	1	0-17	
Acenaphthene	98	96	49-121	2	0-20	
4-Nitrophenol	114	108	40-130	5	0-20	
2,4-Dinitrotoluene	125	121	43-145	3	0-19	
Pentachlorophenol	116	112	19-127	4	0-48	
Pyrene	200	205	18-168	2	0-22	3

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Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB10-02	Solid	GC/MS P	03/18/04	03/20/04	040318S03A

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	106	107	48-114	1	0-18	
2-Chlorophenol	104	106	45-111	1	0-18	
1,4-Dichlorobenzene	99	100	45-111	1	0-19	
N-Nitroso-di-n-propylamine	112	115	44-116	2	0-18	
1,2,4-Trichlorobenzene	99	101	44-122	2	0-18	
4-Chloro-3-Methylphenol	108	111	52-124	3	0-17	
Acenaphthene	95	96	49-121	1	0-20	
4-Nitrophenol	103	105	40-130	2	0-20	
2,4-Dinitrotoluene	116	117	43-145	1	0-19	
Pentachlorophenol	108	107	19-127	0	0-48	
Pyrene	216	244	18-168	12	0-22	3

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Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB12-01	Solid	GC/MS J	03/18/04	03/19/04	040318S04

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	125	131	48-114	5	0-18	3
2-Chlorophenol	124	128	45-111	4	0-18	3
1,4-Dichlorobenzene	127	129	45-111	1	0-19	3
N-Nitroso-di-n-propylamine	132	137	44-116	4	0-18	3
1,2,4-Trichlorobenzene	129	128	44-122	0	0-18	3
4-Chloro-3-Methylphenol	131	136	52-124	4	0-17	3
Acenaphthene	132	131	49-121	0	0-20	3
4-Nitrophenol	169	177	40-130	5	0-20	3
2,4-Dinitrotoluene	120	124	43-145	3	0-19	
Pentachlorophenol	144	151	19-127	5	0-48	3
Pyrene	148	157	18-168	6	0-22	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3545
Method: EPA 8270C

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-04-0397-27	Solid	GC/MS Y	04/08/04	04/09/04	040408S06

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	82	85	48-114	3	0-18	
2-Chlorophenol	78	82	45-111	5	0-18	
1,4-Dichlorobenzene	81	83	45-111	3	0-19	
N-Nitroso-di-n-propylamine	87	90	44-116	4	0-18	
1,2,4-Trichlorobenzene	83	86	44-122	3	0-18	
4-Chloro-3-Methylphenol	82	85	52-124	3	0-17	
Acenaphthene	83	86	49-121	3	0-20	
4-Nitrophenol	69	71	40-130	4	0-20	
2,4-Dinitrotoluene	95	100	43-145	5	0-19	
Pentachlorophenol	72	79	19-127	9	0-48	
Pyrene	122	129	18-168	6	0-22	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 3520B
Method:	EPA 8270C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-1,436	Aqueous	GC/MS J	03/15/04	03/18/04	040315L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	87	86	4-118	1	0-18	
2-Chlorophenol	88	86	35-101	2	0-21	
1,4-Dichlorobenzene	57	58	39-93	1	0-45	
N-Nitroso-di-n-propylamine	88	91	33-123	3	0-38	
1,2,4-Trichlorobenzene	70	71	47-101	2	0-35	
4-Chloro-3-Methylphenol	97	97	0-295	0	0-30	
Acenaphthene	87	87	31-133	1	0-31	
4-Nitrophenol	96	95	1-143	1	0-44	
2,4-Dinitrotoluene	115	105	16-166	9	0-49	
Pentachlorophenol	77	102	1-154	28	0-53	
Pyrene	110	109	15-159	1	0-47	

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Quality Control - LCS/LCS Duplicate

CH2M Hill
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Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 3545
Method:	EPA 8270C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-002-797	Solid	GC/MS P	03/18/04	03/19/04	040318L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	79	78	58-112	1	0-15	
2-Chlorophenol	79	79	59-107	0	0-17	
1,4-Dichlorobenzene	77	76	60-108	1	0-16	
N-Nitroso-di-n-propylamine	84	83	52-112	1	0-17	
1,2,4-Trichlorobenzene	76	74	56-116	2	0-16	
4-Chloro-3-Methylphenol	84	82	58-124	2	0-15	
Acenaphthene	80	78	55-121	2	0-15	
4-Nitrophenol	106	108	44-134	3	0-19	
2,4-Dinitrotoluene	82	81	50-146	2	0-17	
Pentachlorophenol	85	86	24-138	1	0-21	
Pyrene	102	98	45-129	4	0-15	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 3545
Method:	EPA 8270C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-002-798	Solid	GC/MS J	03/18/04	03/19/04	040318L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	96	94	58-112	2	0-15	
2-Chlorophenol	95	92	59-107	4	0-17	
1,4-Dichlorobenzene	90	87	60-108	4	0-16	
N-Nitroso-di-n-propylamine	100	96	52-112	4	0-17	
1,2,4-Trichlorobenzene	89	86	56-116	3	0-16	
4-Chloro-3-Methylphenol	104	100	58-124	4	0-15	
Acenaphthene	90	87	55-121	3	0-15	
4-Nitrophenol	87	85	44-134	2	0-19	
2,4-Dinitrotoluene	90	88	50-146	2	0-17	
Pentachlorophenol	59	56	24-138	5	0-21	
Pyrene	110	111	45-129	1	0-15	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 3545
Method:	EPA 8270C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-002-811	Solid	GC/MS Y	04/08/04	04/08/04	040408L06

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	83	90	58-112	8	0-15	
2-Chlorophenol	84	92	59-107	9	0-17	
1,4-Dichlorobenzene	85	91	60-108	6	0-16	
N-Nitroso-di-n-propylamine	101	112	52-112	11	0-17	
1,2,4-Trichlorobenzene	82	87	56-116	6	0-16	
4-Chloro-3-Methylphenol	70	83	58-124	17	0-15	X
Acenaphthene	87	90	55-121	4	0-15	
4-Nitrophenol	76	93	44-134	20	0-19	X
2,4-Dinitrotoluene	102	112	50-146	9	0-17	
Pentachlorophenol	86	93	24-138	7	0-21	
Pyrene	102	104	45-129	2	0-15	

X - (NOTE): The RPD for the LCS/LCSD recoveries of 4-Chloro-3-Methylphenol (17%) and 4-Nitrophenol (20%) were out of control (0-15% and 0-19% respectviely), suggesting lack of precision (reproducibility) in the data batch for these compounds. The RPD from the associated MS/MSD Batch (040408S06), however, was within control limits.

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 04-03-0917

Qualifier	Definition
2	Surrogate spike compound was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Spike or Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
D	The sample data was reported from a diluted analysis.
J	Analyte was detected at a concentration below the reporting limit. Reported value is estimated.
ND	Not detected at indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the sample concentration exceeding the spike concentration by a factor of four or greater.

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE:

PAGE: 1 OF 4

LABORATORY CLIENT: CH2M HILL
ADDRESS: 3 Hutton Center Drive, Suite 200
CITY: Santa Ana
TEL: 714-435-6181 | FAX: 714-424-2281 | E-MAIL: pbora@ch2m.com

CLIENT PROJECT NAME / NUMBER: Alamitos EPTC Parcel 3-4/182222.EP.02
PROJECT CONTACT: Partha Bora
SAMPLER(S): (SIGNATURE)

P.O. NO.: 900725
QUOTE NO.:
LAB USE ONLY: 03-0917

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
Must meet requiremets for EDD provided in the SOW. EDD and hardcopy data should be provided within 10 days of sample receipt.
HOLD ALL Samples at locs EPTC 3-4XXXX-03

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	Metals (17CAM) -EPA 6010/7000	VOCs - EPA 8260B	SVOCs - EPA 8270C	Pest. EPA 8081	PCBs EPA 8082
1	EPTC 3-4SB01-01		3/15/04	8:10	Soil		✓	✓	✓	✓	
2	EPTC 3-4SB01-02			8:20			✓	✓	✓	✓	
3	EPTC 3-4SB01-03			8:30			H	O	L	D	
4	EPTC 3-4SB02-01			9:00			✓	✓	✓	✓	
5	EPTC 3-4SB-02-02			9:10			✓	✓	✓	✓	
6	EPTC 3-4SB02-03			9:20			H	O	L	D	
7	EPTC 3-4SB05-01			9:33			✓	✓	✓	✓	
8	EPTC 3-4SB05-02			9:42			✓	✓	✓	✓	
9	EPTC 3-4SB05-03			9:50			H	O	L	D	
10	EPTC 3-4SB-05-04			9:45			✓	✓	✓	✓	
11	EPTC 3-4SB08-01	MS/MSD		10:15			✓	✓	✓	✓	
12	EPTC 3-4SB08-02			10:20			✓	✓	✓	✓	
13	EPTC 3-4SB08-03			10:30			H	O	L	D	
14	EPTC 3-4SB08-04			10:25			✓	✓	✓	✓	
15	EPTC 3-4SB09-01		↓	11:45	↓		✓	✓	✓	✓	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-15-04	1640
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) [signature]	Received by: (Signature) [signature]	3-15-04	1718

0150

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE:

LABORATORY CLIENT: CH2M HILL
ADDRESS: 3 Hutton Center Drive, Suite 200
CITY: Santa Ana
TEL: 714-435-6181 | FAX: 714-424-2281 | E-MAIL: pbora@ch2m.com

CLIENT PROJECT NAME / NUMBER: Alamitos EPTC Parcel 3-4/182222.EP.02
P.O. NO.: 900725
PROJECT CONTACT: Partha Bora
QUOTE NO.:
SAMPLER(S): (SIGNATURE)
LAB USE ONLY: 03-0917

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
Must meet requiremets for EDD provided in the SOW. EDD and hardcopy data should be provided within 10 days of sample receipt.
Hold all samples ending in 03

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	Metals (17CAM) -EPA 6010/7000	VOCs - EPA 8260B	SVOCs - EPA 8270C	Pest. EPA 8081	PCBs EPA 8082
16	EPTC 3-4 SB 09-02	MS/MSD	3/15/04	12:00	Soil		✓	✓	✓	✓	
17	EPTC 3-4 SB 09-03			12:10			~~✓~~	~~✓~~	~~✓~~	~~✓~~	HOLD
18	EPTC 3-4 SB 09-04			11:45			✓	✓	✓	✓	
19	EPTC 3-4 SB 10-01			10:55			✓	✓	✓	✓	✓
20	EPTC 3-4 SB 10-02	MS/MSD		11:00			✓	✓	✓	✓	✓
21	EPTC 3-4 SB 10-03			11:05			~~✓~~	~~✓~~	~~✓~~	~~✓~~	~~✓~~ HOLD
22	EPTC 3-4 SB 10-04			10:59			✓	✓	✓	✓	✓
23	EPTC 3-4 SB 12-01	MS/MSD		11:20			✓	✓	✓	✓	
24	EPTC 3-4 SB 12-02			11:26			✓	✓	✓	✓	
25	EPTC 3-4 SB 12-03			11:32			H	O	L	D	
26	EPTC 3-4 SB 12-04			11:28			✓	✓	✓	✓	
27	EPTC 3-4 DP 01-01			9:40			✓	✓	✓	✓	
28	EPTC 3-4 DP 01-02			09:15			✓	✓	✓	✓	
29	EPTC 3-4 DP-01-03			9:20			H	O	L	D	
30	EPTC 3-4 SB-07-01		↓	1:15	↓		✓	✓	✓	✓	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-15-04	1640
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) [signature]	Received by: (Signature) [signature]	3-15-04	1718

0151

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE:

LABORATORY CLIENT: CH2M HILL
ADDRESS: 3 Hutton Center Drive, Suite 200
CITY: Santa Ana
TEL: 714-435-6181 | FAX: 714-424-2281 | E-MAIL: pbora@ch2m.com

CLIENT PROJECT NAME / NUMBER: Alamitos EPTC Parcel 3-4/182222.EP.02
PROJECT CONTACT: Partha Bora
SAMPLER(S): (SIGNATURE)
P.O. NO.: 900725
QUOTE NO.:
LAB USE ONLY: 03-0917

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
Must meet requiremets for EDD provided in the SOW. EDD and hardcopy data should be provided within 10 days of sample receipt.

Hold all samples ending in 03

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	Metals (17CAM) -EPA 6010/7000	VOCs - EPA 8260B	SVOCs - EPA 8270C	Pest. EPA 8081	PCBs EPA 8082
31	EPTC 3-4 SB07-02		3/15/04	1:25	Soil		✓	✓	✓	✓	
32	EPTC 3-4 SB07-03			1:30			H	O	L	D	
33	EPTC 3-4 SB04-01			1:45			✓	✓	✓	✓	
34	EPTC 3-4 SB04-02			1:55			✓	✓	✓	✓	
35	EPTC 3-4 SB04-03			2:00			H	O	L	D	
36	EPTC 3-4 SB13-01			2:20			✓	✓	✓	✓	
37	EPTC 3-4 SB13-02			2:25			✓	✓	✓	✓	
38	EPTC 3-4 SB13-03			2:28			H	O	L	D	
39	EPTC 3-4 SB11-01			2:35			✓	✓	✓	✓	
40	EPTC 3-4 SB11-02			2:45			✓	✓	✓	✓	
41	EPTC 3-4 SB11-03			02:55			H	O	L	D	
42	EPTC 3-4 SB06-01			03:20			✓	✓	✓	✓	
43	EPTC 3-4 SB06-02			3:25			✓	✓	✓	✓	
44	EPTC 3-4 SB06-03			3:30			H	O	L	D	
45	EPTC 3-4 SB-03-01			3:38			✓	✓	✓	✓	

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	3-15-04	1640
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) [signature]	Received by: (Signature) [signature]	Date: 3-15-04	Time: 1718

0152

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE:

PAGE: 4 OF 4

LABORATORY CLIENT: CH2M HILL	CLIENT PROJECT NAME / NUMBER: Alamitos EPTC Parcel 3-4/182222.EP.02
ADDRESS: 3 Hutton Center Drive, Suite 200	P.O. NO.: 900725
CITY: Santa Ana	PROJECT CONTACT: Partha Bora
TEL: 714-435-6181 / FAX: 714-424-2281 / E-MAIL: pbora@ch2m.com	QUOTE NO.:
	SAMPLER(S): (SIGNATURE)
	LAB USE ONLY: 03-0917

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS: **Must meet requiremets for EDD provided in the SOW. EDD and hardcopy data should be provided within 10 days of sample receipt.**

Hold all samples ending in 03

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	Metals (17CAM) -EPA 6010/7000	VOCs - EPA 8260B	SVOCs - EPA 8270C	Pest. EPA 8081	PCBs EPA 8082
46	EPTC 3-4 SB03-02		3/15/04	3:45	soil		✓	✓	✓	✓	
47	EPTC 3-4 SB03-03		↓	3:50	↓		HOLD.				
48	EPTC 3-4 EB01		↓	4:00	water	4		✓	✓		
	~~EPTC~~										
49	EPTC 3-4 TB01		↓					✓			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
SABROS	[signature]	3-15-04	1640
[signature]	[signature]	3-15-04	1718

0153

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
Sample Summary Report

WORK ORDER #: 04-03-0917 **QAPP:** 0000

#	Client Sample ID	Matrix	Date Collected	NoC	Comment
1	EPTC-3-4SB-01-01	S	03/15/2004	4	
2	EPTC-3-4SB-01-02	S	03/15/2004	4	
3	EPTC-3-4SB-01-03	S	03/15/2004	4	
4	EPTC-3-4SB-02-01	S	03/15/2004	4	
5	EPTC-3-4SB-02-02	S	03/15/2004	4	
6	EPTC-3-4SB-02-03	S	03/15/2004	4	
7	EPTC-3-4SB-05-01	S	03/15/2004	4	
8	EPTC-3-4SB-05-02	S	03/15/2004	4	
9	EPTC-3-4SB-05-03	S	03/15/2004	4	
10	EPTC-3-4SB-05-04	S	03/15/2004	4	
11	EPTC-3-4SB-08-01	S	03/15/2004	10	***Perform MS / MSD on this sample***
12	EPTC-3-4SB-08-02	S	03/15/2004	4	
13	EPTC-3-4SB-08-03	S	03/15/2004	4	
14	EPTC-3-4SB-08-04	S	03/15/2004	4	
15	EPTC-3-4SB-09-01	S	03/15/2004	4	
16	EPTC-3-4SB-09-02	S	03/15/2004	10	***Perform MS / MSD on this sample***
17	EPTC-3-4SB-09-03	S	03/15/2004	4	
18	EPTC-3-4SB-09-04	S	03/15/2004	4	
19	EPTC-3-4SB-10-01	S	03/15/2004	4	
20	EPTC-3-4SB-10-02	S	03/15/2004	10	***Perform MS / MSD on this sample***
21	EPTC-3-4SB-10-03	S	03/15/2004	4	
22	EPTC-3-4SB-10-04	S	03/15/2004	4	
23	EPTC-3-4SB-12-01	S	03/15/2004	10	***Perform MS / MSD on this sample***
24	EPTC-3-4SB-12-02	S	03/15/2004	4	
25	EPTC-3-4SB-12-03	S	03/15/2004	4	
26	EPTC-3-4SB-12-04	S	03/15/2004	4	
27	EPTC-3-4DP-01-01	S	03/15/2004	4	
28	EPTC-3-4DP-01-02	S	03/15/2004	4	
29	EPTC-3-4DP-01-03	S	03/15/2004	4	
30	EPTC-3-4SB-07-01	S	03/15/2004	4	
31	EPTC-3-4SB-07-02	S	03/15/2004	4	

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
Sample Summary Report

WORK ORDER #: 04-03-0917 **QAPP:** 0000

#	Client Sample ID	Matrix	Date Collected	NoC	Comment
32	EPTC-3-4SB-07-03	S	03/15/2004	4	
33	EPTC-3-4SB-04-01	S	03/15/2004	4	
34	EPTC-3-4SB-04-02	S	03/15/2004	4	
35	EPTC-3-4SB-04-03	S	03/15/2004	4	
36	EPTC-3-4SB-13-01	S	03/15/2004	4	
37	EPTC-3-4SB-13-02	S	03/15/2004	4	
38	EPTC-3-4SB-13-03	S	03/15/2004	4	
39	EPTC-3-4SB-11-01	S	03/15/2004	4	
40	EPTC-3-4SB-11-02	S	03/15/2004	4	
41	EPTC-3-4SB-11-03	S	03/15/2004	4	
42	EPTC-3-4SB-06-01	S	03/15/2004	4	
43	EPTC-3-4SB-06-02	S	03/15/2004	4	
44	EPTC-3-4SB-06-03	S	03/15/2004	4	
45	EPTC-3-4SB-03-01	S	03/15/2004	4	
46	EPTC-3-4SB-03-02	S	03/15/2004	4	
47	EPTC-3-4SB-03-03	S	03/15/2004	4	
48	EPTC-3-4EB01	W	03/15/2004	4	
49	EPTC-3-4 TB01	W	03/15/2004	4	

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 04 - 03 - 0917

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CH2MHILL

DATE: 3-15-04

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

4.5 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

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

Initial: WB

CUSTODY SEAL INTACT:

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

Initial: WB

SAMPLE CONDITION:

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

Initial: WB

COMMENTS:

Calscience Environmental Laboratories, Inc.

CH2M Hill

Alamitos EPTC Parcel 3-4

182222.EP.02

Laboratory Report

04-03-0917

(Change Order)

Prepared For:

Mr. Partha Bora
CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794
(714) 435-6181

March 2004

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

Calscience Environmental Laboratories, Inc.

CHANGE ORDER

April 05, 2004

Partha Bora
CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Subject: **Calscience Work Order No.: 04-03-0917**
Client Reference: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/15/2004 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Paul Mead
Project Manager

Michael J. Crisostomo
Quality Assurance Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SB08-03	04-03-0917-13	03/15/04	Solid	03/31/04	04/01/04	040331L01

Comment(s): Mercury was analyzed on 3/30/2004 2:07:29 PM with batch 040330L02

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.750	1		mg/kg	Mercury	0.0489	0.0835	1	J	mg/kg
Arsenic	2.70	0.75	1		mg/kg	Molybdenum	ND	0.250	1		mg/kg
Barium	77.3	0.5	1		mg/kg	Nickel	13.5	0.2	1		mg/kg
Beryllium	0.340	0.250	1		mg/kg	Selenium	6.89	0.75	1		mg/kg
Cadmium	0.0676	0.500	1	J	mg/kg	Silver	ND	0.250	1		mg/kg
Chromium (Total)	17.1	0.2	1		mg/kg	Thallium	ND	0.750	1		mg/kg
Cobalt	8.33	0.25	1		mg/kg	Vanadium	30.8	0.2	1		mg/kg
Copper	17.7	0.5	1		mg/kg	Zinc	43.3	1.0	1		mg/kg
Lead	3.05	0.50	1		mg/kg						

EPTC 3-4 SB09-03	04-03-0917-17	03/15/04	Solid	03/31/04	04/01/04	040331L01

Comment(s): Mercury was analyzed on 3/30/2004 2:10:33 PM with batch 040330L02

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.750	1		mg/kg	Mercury	0.0294	0.0835	1	J	mg/kg
Arsenic	5.62	0.75	1		mg/kg	Molybdenum	ND	0.250	1		mg/kg
Barium	143	0.500	1		mg/kg	Nickel	18.0	0.2	1		mg/kg
Beryllium	0.435	0.250	1		mg/kg	Selenium	8.70	0.75	1		mg/kg
Cadmium	0.248	0.500	1	J	mg/kg	Silver	ND	0.250	1		mg/kg
Chromium (Total)	19.4	0.2	1		mg/kg	Thallium	ND	0.750	1		mg/kg
Cobalt	11.4	0.2	1		mg/kg	Vanadium	36.8	0.2	1		mg/kg
Copper	21.9	0.5	1		mg/kg	Zinc	55.8	1.0	1		mg/kg
Lead	4.56	0.50	1		mg/kg						

EPTC 3-4 SB12-03	04-03-0917-25	03/15/04	Solid	03/31/04	04/01/04	040331L01

Comment(s): Mercury was analyzed on 3/30/2004 2:13:37 PM with batch 040330L02

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	0.511	0.750	1	J	mg/kg	Mercury	0.0305	0.0835	1	J	mg/kg
Arsenic	7.72	0.75	1		mg/kg	Molybdenum	ND	0.250	1		mg/kg
Barium	149	0.500	1		mg/kg	Nickel	41.2	0.2	1		mg/kg
Beryllium	0.637	0.250	1		mg/kg	Selenium	11.4	0.7	1		mg/kg
Cadmium	0.893	0.500	1		mg/kg	Silver	ND	0.250	1		mg/kg
Chromium (Total)	28.0	0.2	1		mg/kg	Thallium	ND	0.750	1		mg/kg
Cobalt	12.2	0.2	1		mg/kg	Vanadium	72.8	0.2	1		mg/kg
Copper	28.2	0.5	1		mg/kg	Zinc	68.7	1.0	1		mg/kg
Lead	6.31	0.50	1		mg/kg						

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC3-4 SB07-03	04-03-0917-32	03/15/04	Solid	03/31/04	04/02/04	040331L01

Comment(s): Mercury was analyzed on 3/30/2004 2:16:42 PM with batch 040330L02

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.750	1		mg/kg	Mercury	0.0472	0.0835	1	J	mg/kg
Arsenic	34.7	0.7	1		mg/kg	Molybdenum	ND	0.250	1		mg/kg
Barium	152	0.500	1		mg/kg	Nickel	17.0	0.2	1		mg/kg
Beryllium	0.474	0.250	1		mg/kg	Selenium	ND	0.750	1		mg/kg
Cadmium	0.999	0.500	1		mg/kg	Silver	ND	0.250	1		mg/kg
Chromium (Total)	20.2	0.2	1		mg/kg	Thallium	ND	0.750	1		mg/kg
Cobalt	10.8	0.2	1		mg/kg	Vanadium	40.1	0.2	1		mg/kg
Copper	21.8	0.5	1		mg/kg	Zinc	48.1	1.0	1		mg/kg
Lead	4.76	0.50	1		mg/kg						

EPTC 3-4 SB13-03	04-03-0917-38	03/15/04	Solid	03/31/04	04/02/04	040331L01

Comment(s): Mercury was analyzed on 3/30/2004 2:19:46 PM with batch 040330L02

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	0.213	0.750	1	J	mg/kg	Mercury	0.0343	0.0835	1	J	mg/kg
Arsenic	25.8	0.7	1		mg/kg	Molybdenum	ND	0.250	1		mg/kg
Barium	181	0.500	1		mg/kg	Nickel	25.0	0.2	1		mg/kg
Beryllium	0.614	0.250	1		mg/kg	Selenium	ND	0.750	1		mg/kg
Cadmium	1.32	0.50	1		mg/kg	Silver	ND	0.250	1		mg/kg
Chromium (Total)	28.8	0.2	1		mg/kg	Thallium	ND	0.750	1		mg/kg
Cobalt	16.7	0.2	1		mg/kg	Vanadium	50.7	0.2	1		mg/kg
Copper	45.2	0.5	1		mg/kg	Zinc	62.7	1.0	1		mg/kg
Lead	6.67	0.50	1		mg/kg						

EPTC 3-4 SB03-03	04-03-0917-47	03/15/04	Solid	03/31/04	04/02/04	040331L01

Comment(s): Mercury was analyzed on 3/30/2004 2:22:44 PM with batch 040330L02

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.750	1		mg/kg	Mercury	0.0241	0.0835	1	J	mg/kg
Arsenic	2.93	0.75	1		mg/kg	Molybdenum	ND	0.250	1		mg/kg
Barium	118	0.500	1		mg/kg	Nickel	15.8	0.2	1		mg/kg
Beryllium	0.398	0.250	1		mg/kg	Selenium	ND	0.750	1		mg/kg
Cadmium	0.872	0.500	1		mg/kg	Silver	ND	0.250	1		mg/kg
Chromium (Total)	17.6	0.2	1		mg/kg	Thallium	ND	0.750	1		mg/kg
Cobalt	11.9	0.2	1		mg/kg	Vanadium	36.3	0.2	1		mg/kg
Copper	22.6	0.5	1		mg/kg	Zinc	46.5	1.0	1		mg/kg
Lead	4.46	0.50	1		mg/kg						

Method Blank	099-04-007-2,499	N/A	Solid	03/30/04	03/30/04	040330L02

Parameter	Result	RL	DF	Qual	Units
Mercury	ND	0.0835	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	097-01-002-5,284	N/A	Solid	03/31/04	03/31/04	040331L01

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.750	1		mg/kg	Molybdenum	ND	0.250	1		mg/kg
Arsenic	ND	0.750	1		mg/kg	Nickel	ND	0.250	1		mg/kg
Barium	ND	0.500	1		mg/kg	Selenium	ND	0.750	1		mg/kg
Beryllium	ND	0.250	1		mg/kg	Silver	ND	0.250	1		mg/kg
Cadmium	ND	0.500	1		mg/kg	Thallium	ND	0.750	1		mg/kg
Chromium (Total)	ND	0.250	1		mg/kg	Vanadium	0.112	0.250	1	J	mg/kg
Cobalt	0.0135	0.250	1	J	mg/kg	Zinc	ND	1.00	1		mg/kg
Copper	ND	0.500	1		mg/kg	Lead	ND	0.500	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 3050B
Method: EPA 6010B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-03-1803-1	Solid	ICP 3300	03/31/04	04/01/04	040331S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	76	75	50-115	1	0-20	
Arsenic	100	99	75-125	1	0-20	
Barium	136	152	75-125	4	0-20	3
Beryllium	99	98	75-125	1	0-20	
Cadmium	102	99	75-125	2	0-20	
Chromium (Total)	102	99	75-125	3	0-20	
Cobalt	102	99	75-125	3	0-20	
Copper	138	104	75-125	25	0-20	3,4
Lead	104	98	75-125	5	0-20	
Molybdenum	94	92	75-125	2	0-20	
Nickel	100	96	75-125	3	0-20	
Selenium	105	104	75-125	0	0-20	
Silver	104	103	75-125	1	0-20	
Thallium	92	91	75-125	2	0-20	
Vanadium	116	108	75-125	5	0-20	
Zinc	126	87	75-125	14	0-20	3

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received: N/A
Work Order No: 04-03-0917
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-5,284	Solid	ICP 3300	03/31/04	03/31/04	040331L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	92	99	80-120	8	0-20	
Arsenic	95	103	80-120	7	0-20	
Barium	106	104	80-120	1	0-20	
Beryllium	95	99	80-120	4	0-20	
Cadmium	102	104	80-120	2	0-20	
Chromium (Total)	103	101	80-120	2	0-20	
Cobalt	107	104	80-120	3	0-20	
Copper	102	99	80-120	2	0-20	
Lead	101	100	80-120	1	0-20	
Molybdenum	100	100	80-120	0	0-20	
Nickel	105	103	80-120	2	0-20	
Selenium	94	103	80-120	8	0-20	
Silver	99	98	80-120	2	0-20	
Thallium	100	97	80-120	2	0-20	
Vanadium	104	101	80-120	2	0-20	
Zinc	102	102	80-120	0	0-20	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0917
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 SB08-03	Solid	Mercury	03/30/04	03/30/04	040330S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	119	124	76-136	4	0-16	

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0917
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-04-007-2,499	Solid	Mercury	03/30/04	040330-L02	040330L02

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Mercury	0.835	0.859	103	82-124	

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 04-03-0917

Qualifier	Definition
J	Analyte was detected at a concentration below the reporting limit. Reported value is estimated.
ND	Not detected at indicated reporting limit.

Paul Mead

From: Partha.Bora@CH2M.com
Sent: Friday, March 26, 2004 3:04 PM
To: Paul Mead
Cc: Sapna.Abrol@CH2M.com

Paul
Please analyze the following samples that are on hold for metals

SAMPLE ID	TESTS REQUIRED
EPTC 3-4 SB-08-03	Metals
EPTC 3-4 SB-09-03	Metals
EPTC 3-4 SB 12-03	Metals
EPTC 3-4 SB 07-03	Metals
EPTC 3-4 SB 13-03	Metals
EPTC 3-4 SB 03-03	Metals

If you have any questions please let me know.

Partha Bora
Project Manager, M&IS
CH2M HILL
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92614

phone: 714-435-6181
cell: 714-697-6288
fax: 714-424-2281
email: pbora@ch2m.com
www.ch2m.com

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Table 2-2
Summary of Laboratory Analyses - Soil Gas Samples
Phase II ESA
Alamitos EPTC Parcel 3-4

Location	Sample Number	Depth (ft)	Sample Type	Date	VOCs (TO-15)	H2S (Method 307-91)	Methane (SCAQMD Method 25-1)	Comments
SG1	EPTC3-4-SG01-01	5	N	3/15/2004	1	1	1	
	EPTC3-4-SG01-03	**5**	**FD**	3/15/2004	**1**	**1**	**1**	
SG2	EPTC3-4-SG02-01	5	N	3/15/2004	1	1	1	
SG3	EPTC3-4-SG03-01	5	N	3/15/2004	1	1	1	
SG4	EPTC3-4-SG04-01	5	N	3/15/2004	1	1	1	
SG5	EPTC3-4-SG05-01	5	N	3/15/2004	1	1	1	
SG6	EPTC3-4-SG06-01	5	N	3/15/2004	1	1	1	
SG7	EPTC3-4-SG07-01	5	N	3/15/2004	1	1	1	
SG8		5	N	3/15/2004				Not sampled due to saturated soil
SG9	EPTC3-4-SG09-01	5	N	3/15/2004	1	1	1	
SG10	EPTC3-4-SG10-01	5	N	3/15/2004	1	1	1	
Total Samples					**10**	**10**	**10**	

Notes:

N = Normal Field Sample

FD = Field Duplicate

MS/MSD = Matrix Spike/Matrix Spike Duplicate

Sample Delivery Group # for H2S and Methane Analysis is 04-03-0915

Sample Delivery Group # for VOCs Analysis is 04-03-0916

Calscience
Environmental
Laboratories, Inc.

CH2M Hill

Alamitos EPTC Parcel 3-4

182222.EP.02

Laboratory Report

04-03-0915

Prepared For:

Mr. Partha Bora
CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794
(714) 435-6181

March 2004

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

Calscience
Environmental
Laboratories, Inc.

March 23, 2004

Partha Bora
CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Subject: **Calscience Work Order No.: 04-03-0915**
Client Reference: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/15/2004 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Paul Mead
Project Manager

Michael J. Crisostomo
Quality Assurance Manager

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Sampled: 03/15/04
Date Received: 03/15/04
Date Analyzed: 03/16 - 03/17/04
Work Order No.: 04-03-0915
Method: SCAQMD Method 25.1
Methane

Attn.: Partha Bora
RE: Alamitos EPTC Parcel 3-4 / 182222.EP.02

All Methane concentration values are reported in ppm (v/v).

Client Sample Number	Lab Sample Number:	Matrix:	Date Collected:	Date Analyzed:	QC Batch ID:
EPTC-3-4-SG-01-01	04-03-0915-1	Air	03/15/04	03/16/04	040316L01

Parameter (FID)	Result	RL	MDL	DF	Qual	Units	Detector
Methane	2	1	0.316	1		ppm v/v	FID

EPTC-3-4-SG-01-03	04-03-0915-2	Air	03/15/04	03/16/04	040316L01

Parameter (FID)	Result	RL	MDL	DF	Qual	Units	Detector
Methane	1	1	0.316	1		ppm v/v	FID

EPTC-3-4-SG-02-01	04-03-0915-3	Air	03/15/04	03/16/04	040316L01

Parameter (FID)	Result	RL	MDL	DF	Qual	Units	Detector
Methane	4	1	0.316	1		ppm v/v	FID

EPTC-3-4-SG-03-01	04-03-0915-4	Air	03/15/04	03/16/04	040316L01

Parameter (FID)	Result	RL	MDL	DF	Qual	Units	Detector
Methane	ND	1	0.316	1		ppm v/v	FID

EPTC-3-4-SG-04-01	04-03-0915-5	Air	03/15/04	03/16/04	040316L01

Parameter (FID)	Result	RL	MDL	DF	Qual	Units	Detector
Methane	2	1	0.316	1		ppm v/v	FID

NA = Not Applicable. ND denotes not detected at indicated reportable limit.
"J" Flag denotes analyte detected at concentrations above the laboratory MDL but below the established RL.

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Sampled: 03/15/04
Date Received: 03/15/04
Date Analyzed: 03/16 - 03/17/04
Work Order No.: 04-03-0915
Method: SCAQMD Method 25.1
Methane

Attn.: Partha Bora
RE: Alamitos EPTC Parcel 3-4 / 182222.EP.02

All Methane concentration values are reported in ppm (v/v).

Client Sample Number	Lab Sample Number:	Matrix:	Date Collected:	Date Analyzed:	QC Batch ID:
EPTC-3-4-SG-05-01	04-03-0915-6	Air	03/15/04	03/16/04	040316L01

Parameter (FID)	Result	RL	MDL	DF	Qual	Units	Detector
Methane	0.7	1	0.316	1	J	ppm v/v	FID

Client Sample Number	Lab Sample Number:	Matrix:	Date Collected:	Date Analyzed:	QC Batch ID:
EPTC-3-4-SG-10-01	04-03-0915-7	Air	03/15/04	03/16/04	040316L01

Parameter (FID)	Result	RL	MDL	DF	Qual	Units	Detector
Methane	1	1	0.316	1		ppm v/v	FID

Client Sample Number	Lab Sample Number:	Matrix:	Date Collected:	Date Analyzed:	QC Batch ID:
EPTC-3-4-SG-06-01	04-03-0915-8	Air	03/15/04	03/17/04	040317L01

Parameter (FID)	Result	RL	MDL	DF	Qual	Units	Detector
Methane	0.6	1	0.316	1	J	ppm v/v	FID

Client Sample Number	Lab Sample Number:	Matrix:	Date Collected:	Date Analyzed:	QC Batch ID:
EPTC-3-4-SG-07-01	04-03-0915-9	Air	03/15/04	03/17/04	040317L01

Parameter (FID)	Result	RL	MDL	DF	Qual	Units	Detector
Methane	3	1	0.316	1		ppm v/v	FID

Client Sample Number	Lab Sample Number:	Matrix:	Date Collected:	Date Analyzed:	QC Batch ID:
EPTC-3-4-SG-09-01	04-03-0915-10	Air	03/15/04	03/17/04	040317L01

Parameter (FID)	Result	RL	MDL	DF	Qual	Units	Detector
Methane	ND	1	0.316	1		ppm v/v	FID

NA = Not Applicable. ND denotes not detected at indicated reportable limit.
"J" Flag denotes analyte detected at concentrations above the laboratory MDL but below the established RL.

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Sampled: 03/15/04
Date Received: 03/15/04
Date Analyzed: 03/16 - 03/17/04
Work Order No.: 04-03-0915
Method: SCAQMD Method 25.1
Methane

Attn.: Partha Bora
RE: Alamitos EPTC Parcel 3-4 / 182222.EP.02

All Methane concentration values are reported in ppm (v/v).

Client Sample Number	Lab Sample Number:	Matrix:	Date Collected:	Date Analyzed:	QC Batch ID:
Method Blank	04-03-0915-MB	Air	N/A	03/16/04	040316L01

Parameter (FID)	Result	RL	MDL	DF	Qual	Units	Detector
Methane	ND	1	0.316	1		ppm v/v	FID

Client Sample Number	Lab Sample Number:	Matrix:	Date Collected:	Date Analyzed:	QC Batch ID:
Method Blank	04-03-0915-MB	Air	N/A	03/17/04	040317L01

Parameter (FID)	Result	RL	MDL	DF	Qual	Units	Detector
Methane	ND	1	0.316	1		ppm v/v	FID

NA = Not Applicable. ND denotes not detected at indicated reportable limit.
"J" Flag denotes analyte detected at concentrations above the laboratory MDL but below the established RL.

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2MHill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Attn.: Partha Bora
Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Sampled: 03/15/04
Date Received: 03/15/04
Work Order No.: 04-03-0915
Method: SCAQMD 25.1
Methane

Sample ID	Laboratory ID	Result (ppb v/v)	RL	Qual	DF	Result (µg/L)	RL	Date Analyzed	QC Batch
EPTC-3-4-SG-01-01	04-03-0915-1	2	1		1	0.0013	0.00067	03/16/04	040316L01
EPTC-3-4-SG-01-03	04-03-0915-2	1	1		1	0.00067	0.00067	03/16/04	040316L01
EPTC-3-4-SG-02-01	04-03-0915-3	4	1		1	0.0027	0.00067	03/16/04	040316L01
EPTC-3-4-SG-03-01	04-03-0915-4	ND	1		1	ND	0.00067	03/16/04	040316L01
EPTC-3-4-SG-04-01	04-03-0915-5	2	1		1	0.00133	0.00067	03/16/04	040316L01
EPTC-3-4-SG-05-01	04-03-0915-6	0.7	1	J	1	0.00047	0.00067	03/16/04	040316L01
EPTC-3-4-SG-10-01	04-03-0915-7	1	1		1	0.00067	0.00067	03/16/04	040316L01
EPTC-3-4-SG-06-01	04-03-0915-8	0.6	1	J	1	0.00040	0.00067	03/17/04	040317L01
EPTC-3-4-SG-07-01	04-03-0915-9	3	1		1	0.0020	0.00067	03/16/04	040317L01
EPTC-3-4-SG-09-01	04-03-0915-10	ND	1		1	ND	0.00067	03/16/04	040317L01
Method Blank	04-03-0915-MB	ND	1		1	ND	0.00067	03/16/04	040316L01
Method Blank	04-03-0915-MB	ND	1		1	ND	0.00067	03/17/04	040317L01

Notes: Molecular weight of Methane = 16.04 g/mole, RL = Reporting Limit, ND = None Detected at the specified Reporting limit.
Results are reported at 1 ATM and 20 degrees C. Molar volume = 24.04

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

CH2M Hill (Santa Ana)
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Sampled: 03/15/04
Date Received: 03/15/047

Work Order No.: 04-03-0915
Method: EPA 16
Hydrogen Sulfide
GC/FPD

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

All Hydrogen Sulfide concentrations reported in ppm(v/v)

Client Sample Number	Lab Sample Number:	Matrix:	Date Collected:	Date Analyzed:	QC Batch ID:
EPTC-3-4-SG-01-01	04-03-0915-1	Air	03/15/04	03/19/04	040315D01

Parameter (Hydrogen Sulfide, GC/FPD)	Result	RL	MDL	DF	Qual	Units
Hydrogen Sulfide	ND	1	0.157	1		ppm v/v

EPTC-3-4-SG-01-03	04-03-0915-2	Air	03/15/04	03/19/04	040315D01

Parameter (Hydrogen Sulfide, GC/FPD)	Result	RL	MDL	DF	Qual	Units
Hydrogen Sulfide	ND	1	0.157	1		ppm v/v

EPTC-3-4-SG-02-01	04-03-0915-3	Air	03/15/04	03/17/03	030317D01

Parameter (Hydrogen Sulfide, GC/FPD)	Result	RL	MDL	DF	Qual	Units
Hydrogen Sulfide	ND	1	0.157	1		ppm v/v

EPTC-3-4-SG-03-01	04-03-0915-4	Air	03/15/04	03/19/04	040315D01

Parameter (Hydrogen Sulfide, GC/FPD)	Result	RL	MDL	DF	Qual	Units
Hydrogen Sulfide	ND	1	0.157	1		ppm v/v

EPTC-3-4-SG-04-01	04-03-0915-5	Air	03/15/04	03/17/03	030317D01

Parameter (Hydrogen Sulfide, GC/FPD)	Result	RL	MDL	DF	Qual	Units
Hydrogen Sulfide	ND	1	0.157	1		ppm v/v

ND denotes not detected at indicated reportable limit.
Note: All sample concentrations found at or above laboratory established method detection limit (MDL), but below the reporting limit (RL), are noted with a "J" flag (semi-quantitative). Review of the sample data, however, did not indicate the presence of target analyte(s) at any level equal to or above MDL.

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

CH2M Hill (Santa Ana)
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Sampled: 03/15/04
Date Received: 03/15/047

Work Order No.: 04-03-0915
Method: EPA 16
Hydrogen Sulfide
GC/FPD

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

All Hydrogen Sulfide concentrations reported in ppm(v/v)

Client Sample Number	Lab Sample Number:	Matrix:	Date Collected:	Date Analyzed:	QC Batch ID:
EPTC-3-4-SG-05-01	04-03-0915-6	Air	03/15/04	03/19/04	030317D01

Parameter (Hydrogen Sulfide, GC/FPD)	Result	RL	MDL	DF	Qual	Units
Hydrogen Sulfide	ND	1	0.157	1		ppm v/v

EPTC-3-4-SG-10-01	04-03-0915-7	Air	03/15/04	03/19/04	030317D01

Parameter (Hydrogen Sulfide, GC/FPD)	Result	RL	MDL	DF	Qual	Units
Hydrogen Sulfide	ND	1	0.157	1		ppm v/v

EPTC-3-4-SG-06-01	04-03-0915-8	Air	03/15/04	03/17/03	030317D01

Parameter (Hydrogen Sulfide, GC/FPD)	Result	RL	MDL	DF	Qual	Units
Hydrogen Sulfide	ND	1	0.157	1		ppm v/v

EPTC-3-4-SG-07-01	04-03-0915-9	Air	03/15/04	03/19/04	030317D01

Parameter (Hydrogen Sulfide, GC/FPD)	Result	RL	MDL	DF	Qual	Units
Hydrogen Sulfide	ND	1	0.157	1		ppm v/v

EPTC-3-4-SG-09-01	04-03-0915-10	Air	03/15/04	03/17/03	030317D01

Parameter (Hydrogen Sulfide, GC/FPD)	Result	RL	MDL	DF	Qual	Units
Hydrogen Sulfide	ND	1	0.157	1		ppm v/v

ND denotes not detected at indicated reportable limit.
Note: All sample concentrations found at or above laboratory established method detection limit (MDL), but below the reporting limit (RL), are noted with a "J" flag (semi-quantitative). Review of the sample data, however, did not indicate the presence of target analyte(s) at any level equal to or above MDL.

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

CH2M Hill (Santa Ana)
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Sampled: 03/15/04
Date Received: 03/15/047

Work Order No.: 04-03-0915
Method: EPA 16
Hydrogen Sulfide
GC/FPD

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

All Hydrogen Sulfide concentrations reported in ppm(v/v)

Client Sample Number	Lab Sample Number:	Matrix:	Date Collected:	Date Analyzed:	QC Batch ID:
Method Blank	**04-03-0915-MB**	**Air**	**N/A**	**03/19/04**	**030317D01**

Parameter (Hydrogen Sulfide, GC/FPD)	Result	RL	MDL	DF	Qual	Units
Hydrogen Sulfide	ND	1	0.157	1		ppm v/v

ND denotes not detected at indicated reportable limit.
Note: All sample concentrations found at or above laboratory established method detection limit (MDL), but below the reporting limit (RL), are noted with a "J" flag (semi-quantitative). Review of the sample data, however, did not indicate the presence of target analyte(s) at any level equal to or above MDL.

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2MHill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Sampled: 03/15/04
Date Received: 03/15/04
Work Order No.: 04-03-0915
Method: EPA 16

Hydrogen Sulfide (H_2S)

Attn.: Partha Bora
Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Sample ID	Laboratory ID	Result (ppb v/v)	RL	Qual	DF	Result (µg/L)	RL	Date Analyzed	QC Batch
EPTC-3-4-SG-01-01	04-03-0915-1	ND	1		1	ND	0.0014	03/19/04	040319L01
EPTC-3-4-SG-01-03	04-03-0915-2	ND	1		1	ND	0.0014	03/19/04	040319L01
EPTC-3-4-SG-02-01	04-03-0915-3	ND	1		1	ND	0.0014	03/17/04	040317L01
EPTC-3-4-SG-03-01	04-03-0915-4	ND	1		1	ND	0.0014	03/19/04	040317L01
EPTC-3-4-SG-04-01	04-03-0915-5	ND	1		1	ND	0.0014	03/17/04	040317L01
EPTC-3-4-SG-05-01	04-03-0915-6	ND	1		1	ND	0.0014	03/19/04	040317L01
EPTC-3-4-SG-10-01	04-03-0915-7	ND	1		1	ND	0.0014	03/19/04	040317L01
EPTC-3-4-SG-06-01	04-03-0915-8	ND	1		1	ND	0.0014	03/17/04	040317L01
EPTC-3-4-SG-07-01	04-03-0915-9	ND	1		1	ND	0.0014	03/17/04	040317L01
EPTC-3-4-SG-09-01	04-03-0915-10	ND	1		1	ND	0.0014	03/17/04	040317L01
Method Blank	04-03-0915-MB	ND	1		1	ND	0.0014	03/19/04	040317L01
Method Blank	04-03-0915-MB	ND	1		1	ND	0.0014	03/17/04	040317L01

Notes: Molecular weight of Hydrogen Sulfide (H2S) = 34.08 g/mole, RL = Reporting Limit, ND = None Detected at the specified Reporting limit.
Results are reported at 1 ATM and 20 degrees C. Molar volume = 24.04

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

LCS Batch Number:	040316L01	Instrument:	GC20
Matrix:	Air	Date Analyzed:	03/19/04
Method:	SCAQMD 25.1M*		

LCS Sample Number:

Analyte	Spike Conc.	LCS	%LCS	LCSD	%LCSD	RPD	Spike Rec. Acc.Limits	RPD Acc.Limits
(TCD - units: % by volume)								
Oxygen	20.0	19.0	95.0	19.0	95.0	0%	80-120	0-20
Nitrogen	75.0	69.4	92.5	69.5	92.7	0%	80-120	0-20
Carbon Dioxide	5.0	4.82	96.2	4.87	97.2	1%	80-120	0-20
(FID - units: ppm-v/v)								
Methane	100	106	106	107	107	1%	80-120	0-20
Carbon Monoxide	101	105	104	106	105	1%	80-120	0-20
TGNMO (as Methane)	401	411	102	405	101	1%	80-120	0-20

Daily Midpoint Calibration check

Analyte	Spike Conc.	Conc. Recovered	%D	Control Limits
(TCD - units: % by volume)				
Oxygen	3.50	3.48	1%	0-15
Nitrogen	10.0	9.84	2%	0-15
Methane	10.0	9.81	2%	0-15
Carbon Monoxide	10.0	9.80	2%	0-15
Carbon Dioxide	10.0	9.75	3%	0-15
(FID - units: ppm-v/v)				
Methane	302	308	2%	0-15
Carbon Monoxide	302	304	1%	0-15
Carbon Dioxide	300	292	3%	0-15
TGNMO (as Methane)	900	899	0%	0-15

* Non-Condensable fraction.

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

LCS Batch Number:	040317L01	Instrument:	GC20
Matrix:	Air	Date Analyzed:	03/19/04
Method:	SCAQMD 25.1M*		

LCS Sample Number:

Analyte	Spike Conc.	LCS	%LCS	LCSD	%LCSD	RPD	Spike Rec. Acc.Limits	RPD Acc.Limits
(TCD - units: % by volume)								
Oxygen	20.0	18.8	94.0	18.9	94.5	1%	80-120	0-20
Nitrogen	75.0	68.7	91.6	68.8	91.7	0%	80-120	0-20
Carbon Dioxide	5.01	4.82	96.2	4.8	96.2	0%	80-120	0-20
(FID - units: ppm-v/v)								
Methane	100	107	107	106	106	1%	80-120	0-20
Carbon Monoxide	101	102	101	103	102	1%	80-120	0-20
TGNMO (as Methane)	401	410	102	406	101	1%	80-120	0-20

Daily Midpoint Calibration check

Analyte	Spike Conc.	Conc. Recovered	%D	Control Limits
(TCD - units: % by volume)				
Oxygen	3.50	3.7	4%	0-15
Nitrogen	10.0	10.3	3%	0-15
Methane	10.0	9.7	3%	0-15
Carbon Monoxide	10.0	9.7	4%	0-15
Carbon Dioxide	10.0	9.7	3%	0-15
(FID - units: ppm-v/v)				
Methane	302	307	2%	0-15
Carbon Monoxide	302	301	0%	0-15
Carbon Dioxide	300	291	3%	0-15
TGNMO (as Methane)	900	900	0%	0-15

* Non-Condensable fraction.

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

QC Batch Number:	040315D01	Instrument: (FID)	GC32
Matrix:	Air	Date Analyzed:	03/19/04
Method:	Hydrogen Sulfide		

Sample/Sample Duplicate: 04-03-0915-10

Analyte (Units: ppm-v/v)	Sample conc.	Sample Dup. conc.	RPD	RPD Acc.Limits
Hydrogen Sulfide	ND	ND	N/A	0-15

Laboratory Control Sample (LCS):

Analyte (Units: ppm-v/v)	Conc. added	Conc. recovered	%R	Control Limits
Hydrogen Sulfide	20.5	23.2	113%	80-120

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

QC Batch Number:	040315D01	Instrument: (FID)	GC32
Matrix:	Air	Date Analyzed:	03/19/04
Method:	Hydrogen Sulfide		

Daily Midpoint Calibration Check

Analyte (Units: ppm-v/v)	Conc. Injected	Conc. Run 1	Conc. Run 2	Conc. Run 3	%D Run 1	%D Run 1	%D Run 1	Control Limit
Hydrogen Sulfide	20.5	22.2	21.9	22.3	8%	7%	9%	0-15

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 04-03-0915

Qualifier	Definition
ND	Not detected at indicated reporting limit.

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

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
Sample Summary Report

WORK ORDER #: 04-03-0915 **QAPP:** 0000

#	Client Sample ID	Matrix	Date Collected	NoC	Comment
1	EPTC-3-4-SG-01-01	A	03/15/2004	1	
2	EPTC-3-4-SG-01-03	A	03/15/2004	1	
3	EPTC-3-4-SG-02-01	A	03/15/2004	1	
4	EPTC-3-4-SG-03-01	A	03/15/2004	1	
5	EPTC-3-4-SG-04-01	A	03/15/2004	1	
6	EPTC-3-4-SG-05-01	A	03/15/2004	1	
7	EPTC-3-4-SG-10-01	A	03/15/2004	1	
8	EPTC-3-4-SG-06-01	A	03/15/2004	1	
9	EPTC-3-4-SG-07-01	A	03/15/2004	1	
10	EPTC-3-4-SG-09-01	A	03/15/2004	1	

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE:

PAGE: 1 OF 1

LABORATORY CLIENT: CH2M HILL

ADDRESS: 3 Hutton Center Drive, Suite 200

CITY: Santa Ana

TEL: 714-435-6181 | FAX: 714-424-2281 | E-MAIL: pbora@ch2m.com

CLIENT PROJECT NAME / NUMBER: Alamitos EPTC Parcel 3-4/182222.EP.02

PROJECT CONTACT: Partha Bora

SAMPLER(S): (SIGNATURE) R. Abraham K. Waite

P.O. NO.: 900725

QUOTE NO.:

LAB USE ONLY: 04-0915

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS: **Must meet requiremets for EDD provided in the SOW. EDD and hardcopy data should be provided within 10 days of sample receipt.**

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	VOCs (gas) EPA TO-15	H2S (gas) EPA Method 16	Methane (gas) ASTM 25-1M
1	EPTC-3-4-SG-01-01	Tedlar	3-15-04	0925	AIR	2		X	X
2	EPTC-3-4-SG-01-03			09:26				X	X
3	EPTC-3-4-SG-02-01			10:42				X	X
4	EPTC 3-4-SG-03-01			11:14				X	X
5	EPTC-3-4-SG-04-01			11:42				X	X
6	EPTC 3-4-SG-05-01			12:01				X	X
7	EPTC 3-4-SG-10-01			12:17				X	X
8	EPTC 3-4-SG-06-01			12:39				X	X
9	EPTC 3-4-SG-07-01			12:58				X	X
10	EPTC 3-4-SG-09-01			13:22				X	X

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Kimberly A. Waite March 15, 2004	[signature]	3-15-04	1622
[signature]	[signature]	3-15-0	1718

0014

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 04 - 03 - 0915

Cooler 0 of 0

SAMPLE RECEIPT FORM

CLIENT: CH2M Hill

DATE: 3-15-04

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
✓ Ambient temperature.

_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: WB

CUSTODY SEAL INTACT:

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

Initial: WB

SAMPLE CONDITION:

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

Initial: WB

COMMENTS:

Calscience
Environmental
Laboratories, Inc.

CH2M Hill

Alamitos EPTC Parcel 3-4

182222.EP.02

Laboratory Report

04-03-0916

Prepared For:

Mr. Partha Bora
CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794
(714) 435-6181

March 2004

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

Calscience
Environmental
Laboratories, Inc.

March 24, 2004

Partha Bora
CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Subject: **Calscience Work Order No.: 04-03-0916**
Client Reference: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/15/2004 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Paul Mead
Project Manager

Michael J. Crisostomo
Quality Assurance Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0916
Preparation:	N/A
Method:	EPA TO-15
Units:	ppb (v/v)

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4-SG-01-01	04-03-0916-1	03/15/04	Air	N/A	03/21/04	040321L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	0.81	0.36	1.62		1,1,2-Trichloroethane	ND	0.81	0.44	1.62	
Chloromethane	1.7	0.8	0.47	1.62		Toluene	1.2	0.8	0.56	1.62	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	3.2	0.40	1.62		2-Hexanone	2.5	1.6	1.2	1.62	
Vinyl Chloride	ND	0.81	0.40	1.62		4-Methyl-2-Pentanone	ND	1.6	1.4	1.62	
Bromomethane	ND	0.81	0.40	1.62		Dibromochloromethane	ND	0.81	0.44	1.62	
Chloroethane	ND	0.81	0.56	1.62		Trichloroethene	ND	0.81	0.45	1.62	
Trichlorofluoromethane	2.1	0.8	0.40	1.62		1,2-Dibromoethane	ND	0.81	0.45	1.62	
Acetone	66	1	0.66	1.62		Tetrachloroethene	2.1	0.8	0.52	1.62	
1,1-Dichloroethene	ND	0.81	0.41	1.62		Chlorobenzene	ND	0.81	0.56	1.62	
Methylene Chloride	0.66	3.2	0.51	1.62	J	Ethylbenzene	ND	0.81	0.55	1.62	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	1.6	0.37	1.62		p/m-Xylene	ND	1.6	1.1	1.62	
Carbon Disulfide	0.46	0.81	0.42	1.62	J	Bromoform	ND	0.81	0.43	1.62	
t-1,2-Dichloroethene	ND	0.81	0.43	1.62		Styrene	ND	1.6	1.0	1.62	
1,1-Dichloroethane	ND	0.81	0.37	1.62		1,1,2,2-Tetrachloroethane	ND	0.81	0.63	1.62	
Vinyl Acetate	ND	1.6	1.4	1.62		o-Xylene	ND	0.81	0.60	1.62	
2-Butanone	6.1	1.6	1.0	1.62		4-Ethyltoluene	ND	0.81	0.41	1.62	
c-1,2-Dichloroethene	ND	0.81	0.36	1.62		1,3,5-Trimethylbenzene	ND	0.81	0.55	1.62	
Chloroform	10	0.81	0.34	1.62		1,2,4-Trimethylbenzene	ND	1.6	1.5	1.62	
1,2-Dichloroethane	ND	0.81	0.36	1.62		Benzyl Chloride	ND	1.6	1.0	1.62	
1,1,1-Trichloroethane	1.2	0.8	0.39	1.62		1,3-Dichlorobenzene	ND	0.81	0.46	1.62	
Benzene	1.6	0.8	0.55	1.62		1,4-Dichlorobenzene	ND	0.81	0.51	1.62	
Carbon Tetrachloride	ND	0.81	0.45	1.62		1,2-Dichlorobenzene	ND	0.81	0.52	1.62	
1,2-Dichloropropane	ND	0.81	0.53	1.62		1,2,4-Trichlorobenzene	ND	1.6	1.2	1.62	
Bromodichloromethane	0.70	0.81	0.47	1.62	J	Hexachloro-1,3-Butadiene	ND	0.81	0.60	1.62	
c-1,3-Dichloropropene	ND	0.81	0.38	1.62		Methyl-t-Butyl Ether (MTBE)	ND	3.2	0.44	1.62	
t-1,3-Dichloropropene	ND	1.6	1.1	1.62							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4-SG-01-01	04-03-0916-1	03/15/04	Air	N/A	03/21/04	040321L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	0.0040	0.0018	1.62		1,1,2-Trichloroethane	ND	0.0044	0.0024	1.62	
Chloromethane	0.0036	0.0017	0.0009	1.62		Toluene	0.0045	0.0031	0.0021	1.62	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	0.023	0.0028	1.62		2-Hexanone	0.010	0.006	0.0049	1.62	
Vinyl Chloride	ND	0.0021	0.0010	1.62		4-Methyl-2-Pentanone	ND	0.0066	0.0058	1.62	
Bromomethane	ND	0.0031	0.0015	1.62		Dibromochloromethane	ND	0.0069	0.0037	1.62	
Chloroethane	ND	0.0021	0.0015	1.62		Trichloroethene	ND	0.0043	0.0024	1.62	
Trichlorofluoromethane	0.012	0.004	0.0022	1.62		1,2-Dibromoethane	ND	0.0062	0.0034	1.62	
Acetone	0.16	0.0038	0.0016	1.62		Tetrachloroethene	0.014	0.005	0.0035	1.62	
1,1-Dichloroethene	ND	0.0032	0.0016	1.62		Chlorobenzene	ND	0.0037	0.0026	1.62	
Methylene Chloride	0.0023	0.011	0.0018	1.62	J	Ethylbenzene	ND	0.0035	0.0024	1.62	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	0.012	0.0028	1.62		p/m-Xylene	ND	0.0070	0.0049	1.62	
Carbon Disulfide	0.0014	0.0025	0.0013	1.62	J	Bromoform	ND	0.0084	0.0045	1.62	
t-1,2-Dichloroethene	ND	0.0032	0.0017	1.62		Styrene	ND	0.0069	0.0044	1.62	
1,1-Dichloroethane	ND	0.0033	0.0015	1.62		1,1,2,2-Tetrachloroethane	ND	0.0056	0.0044	1.62	
Vinyl Acetate	ND	0.0057	0.0049	1.62		o-Xylene	ND	0.0035	0.0026	1.62	
2-Butanone	0.018	0.004	0.0030	1.62		4-Ethyltoluene	ND	0.0040	0.0020	1.62	
c-1,2-Dichloroethene	ND	0.0032	0.0014	1.62		1,3,5-Trimethylbenzene	ND	0.0040	0.0027	1.62	
Chloroform	0.050	0.004	0.0017	1.62		1,2,4-Trimethylbenzene	ND	0.0080	0.0073	1.62	
1,2-Dichloroethane	ND	0.0033	0.0015	1.62		Benzyl Chloride	ND	0.0084	0.0054	1.62	
1,1,1-Trichloroethane	0.0068	0.0044	0.0021	1.62		1,3-Dichlorobenzene	ND	0.0049	0.0027	1.62	
Benzene	0.0050	0.0026	0.0017	1.62		1,4-Dichlorobenzene	ND	0.0049	0.0030	1.62	
Carbon Tetrachloride	ND	0.0051	0.0028	1.62		1,2-Dichlorobenzene	ND	0.0049	0.0031	1.62	
1,2-Dichloropropane	ND	0.0037	0.0024	1.62		1,2,4-Trichlorobenzene	ND	0.012	0.0092	1.62	
Bromodichloromethane	0.0047	0.0054	0.0031	1.62	J	Hexachloro-1,3-Butadiene	ND	0.0086	0.0064	1.62	
c-1,3-Dichloropropene	ND	0.0037	0.0017	1.62		Methyl-t-Butyl Ether (MTBE)	ND	0.012	0.0016	1.62	
t-1,3-Dichloropropene	ND	0.0074	0.0050	1.62							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4-SG-01-01	04-03-0916-1	03/15/04	Air	N/A	03/21/04	040321E01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	4.0	1.8	1.62		1,1,2-Trichloroethane	ND	4.4	2.4	1.62	
Chloromethane	3.6	1.7	0.96	1.62		Toluene	4.5	3.1	2.1	1.62	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	23	2.8	1.62		2-Hexanone	10	6	4.9	1.62	
Vinyl Chloride	ND	2.1	1.0	1.62		4-Methyl-2-Pentanone	ND	6.6	5.8	1.62	
Bromomethane	ND	3.1	1.5	1.62		Dibromochloromethane	ND	6.9	3.7	1.62	
Chloroethane	ND	2.1	1.5	1.62		Trichloroethene	ND	4.3	2.4	1.62	
Trichlorofluoromethane	12	4	2.2	1.62		1,2-Dibromoethane	ND	6.2	3.4	1.62	
Acetone	160	3	1.6	1.62		Tetrachloroethene	14	5	3.5	1.62	
1,1-Dichloroethene	ND	3.2	1.6	1.62		Chlorobenzene	ND	3.7	2.6	1.62	
Methylene Chloride	2.3	11.0	1.8	1.62	J	Ethylbenzene	ND	3.5	2.4	1.62	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	12	2.8	1.62		p/m-Xylene	ND	7.0	4.9	1.62	
Carbon Disulfide	1.4	2.5	1.3	1.62	J	Bromoform	ND	8.4	4.5	1.62	
t-1,2-Dichloroethene	ND	3.2	1.7	1.62		Styrene	ND	6.9	4.4	1.62	
1,1-Dichloroethane	ND	3.3	1.5	1.62		1,1,2,2-Tetrachloroethane	ND	5.6	4.4	1.62	
Vinyl Acetate	ND	5.7	4.9	1.62		o-Xylene	ND	3.5	2.6	1.62	
2-Butanone	18	4	3.0	1.62		4-Ethyltoluene	ND	4.0	2.0	1.62	
c-1,2-Dichloroethene	ND	3.2	1.4	1.62		1,3,5-Trimethylbenzene	ND	4.0	2.7	1.62	
Chloroform	50	4	1.7	1.62		1,2,4-Trimethylbenzene	ND	8.0	7.3	1.62	
1,2-Dichloroethane	ND	3.3	1.5	1.62		Benzyl Chloride	ND	8.4	5.4	1.62	
1,1,1-Trichloroethane	6.8	4.4	2.1	1.62		1,3-Dichlorobenzene	ND	4.9	2.7	1.62	
Benzene	5.0	2.6	1.7	1.62		1,4-Dichlorobenzene	ND	4.9	3.0	1.62	
Carbon Tetrachloride	ND	5.1	2.8	1.62		1,2-Dichlorobenzene	ND	4.9	3.1	1.62	
1,2-Dichloropropane	ND	3.7	2.4	1.62		1,2,4-Trichlorobenzene	ND	12	9.2	1.62	
Bromodichloromethane	4.7	5.4	3.1	1.62	J	Hexachloro-1,3-Butadiene	ND	8.6	6.4	1.62	
c-1,3-Dichloropropene	ND	3.7	1.7	1.62		Methyl-t-Butyl Ether (MTBE)	ND	12	1.6	1.62	
t-1,3-Dichloropropene	ND	7.4	5.0	1.62							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0916
Preparation: N/A
Method: EPA TO-15
Units: ppb (v/v)

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4-SG-01-03	04-03-0916-2	03/15/04	Air	N/A	03/21/04	040321L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	0.79	0.35	1.57		1,1,2-Trichloroethane	ND	0.79	0.43	1.57	
Chloromethane	1.2	0.7	0.45	1.57		Toluene	1.4	0.7	0.54	1.57	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	3.1	0.39	1.57		2-Hexanone	ND	1.6	1.1	1.57	
Vinyl Chloride	ND	0.79	0.39	1.57		4-Methyl-2-Pentanone	ND	1.6	1.4	1.57	
Bromomethane	ND	0.79	0.39	1.57		Dibromochloromethane	ND	0.79	0.43	1.57	
Chloroethane	ND	0.79	0.54	1.57		Trichloroethene	ND	0.79	0.44	1.57	
Trichlorofluoromethane	2.5	0.7	0.39	1.57		1,2-Dibromoethane	ND	0.79	0.43	1.57	
Acetone	65	1	0.64	1.57		Tetrachloroethene	1.6	0.7	0.50	1.57	
1,1-Dichloroethene	ND	0.79	0.40	1.57		Chlorobenzene	ND	0.79	0.54	1.57	
Methylene Chloride	ND	3.1	0.49	1.57		Ethylbenzene	ND	0.79	0.53	1.57	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	1.6	0.36	1.57		p/m-Xylene	ND	1.6	1.1	1.57	
Carbon Disulfide	ND	0.79	0.41	1.57		Bromoform	ND	0.79	0.42	1.57	
t-1,2-Dichloroethene	ND	0.79	0.42	1.57		Styrene	ND	1.6	1.0	1.57	
1,1-Dichloroethane	ND	0.79	0.36	1.57		1,1,2,2-Tetrachloroethane	ND	0.79	0.61	1.57	
Vinyl Acetate	ND	1.6	1.4	1.57		o-Xylene	ND	0.79	0.58	1.57	
2-Butanone	5.5	1.6	0.99	1.57		4-Ethyltoluene	ND	0.79	0.40	1.57	
c-1,2-Dichloroethene	ND	0.79	0.35	1.57		1,3,5-Trimethylbenzene	ND	0.79	0.54	1.57	
Chloroform	9.9	0.7	0.33	1.57		1,2,4-Trimethylbenzene	ND	1.6	1.4	1.57	
1,2-Dichloroethane	ND	0.79	0.35	1.57		Benzyl Chloride	ND	1.6	1.0	1.57	
1,1,1-Trichloroethane	1.2	0.7	0.38	1.57		1,3-Dichlorobenzene	ND	0.79	0.44	1.57	
Benzene	1.2	0.7	0.53	1.57		1,4-Dichlorobenzene	ND	0.79	0.49	1.57	
Carbon Tetrachloride	ND	0.79	0.43	1.57		1,2-Dichlorobenzene	ND	0.79	0.50	1.57	
1,2-Dichloropropane	ND	0.79	0.51	1.57		1,2,4-Trichlorobenzene	ND	1.6	1.2	1.57	
Bromodichloromethane	0.61	0.79	0.45	1.57	J	Hexachloro-1,3-Butadiene	ND	0.79	0.58	1.57	
c-1,3-Dichloropropene	ND	0.79	0.37	1.57		Methyl-t-Butyl Ether (MTBE)	ND	3.1	0.43	1.57	
t-1,3-Dichloropropene	ND	1.6	1.1	1.57							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4-SG-01-03	04-03-0916-2	03/15/04	Air	N/A	03/21/04	040321L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	0.0039	0.0017	1.57		1,1,2-Trichloroethane	ND	0.0043	0.0023	1.57	
Chloromethane	0.0024	0.0016	0.0009	1.57		Toluene	0.0051	0.0030	0.0020	1.57	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	0.022	0.0027	1.57		2-Hexanone	ND	0.0064	0.0047	1.57	
Vinyl Chloride	ND	0.0020	0.0009	1.57		4-Methyl-2-Pentanone	ND	0.0064	0.0056	1.57	
Bromomethane	ND	0.0030	0.0015	1.57		Dibromochloromethane	ND	0.0067	0.0036	1.57	
Chloroethane	ND	0.0021	0.0014	1.57		Trichloroethene	ND	0.0042	0.0023	1.57	
Trichlorofluoromethane	0.014	0.004	0.0022	1.57		1,2-Dibromoethane	ND	0.0060	0.0033	1.57	
Acetone	0.15	0.0037	0.0015	1.57		Tetrachloroethene	0.011	0.005	0.0034	1.57	
1,1-Dichloroethene	ND	0.0031	0.0016	1.57		Chlorobenzene	ND	0.0036	0.0025	1.57	
Methylene Chloride	ND	0.011	0.0017	1.57		Ethylbenzene	ND	0.0034	0.0023	1.57	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	0.012	0.0027	1.57		p/m-Xylene	ND	0.0068	0.0047	1.57	
Carbon Disulfide	ND	0.0024	0.0013	1.57		Bromoform	ND	0.0081	0.0044	1.57	
t-1,2-Dichloroethene	ND	0.0031	0.0017	1.57		Styrene	ND	0.0067	0.0043	1.57	
1,1-Dichloroethane	ND	0.0032	0.0014	1.57		1,1,2,2-Tetrachloroethane	ND	0.0055	0.0043	1.57	
Vinyl Acetate	ND	0.0055	0.0048	1.57		o-Xylene	ND	0.0034	0.0025	1.57	
2-Butanone	0.016	0.004	0.0029	1.57		4-Ethyltoluene	ND	0.0039	0.0019	1.57	
c-1,2-Dichloroethene	ND	0.0031	0.0014	1.57		1,3,5-Trimethylbenzene	ND	0.0039	0.0026	1.57	
Chloroform	0.048	0.003	0.0016	1.57		1,2,4-Trimethylbenzene	ND	0.0077	0.0071	1.57	
1,2-Dichloroethane	ND	0.0032	0.0014	1.57		Benzyl Chloride	ND	0.0081	0.0052	1.57	
1,1,1-Trichloroethane	0.0067	0.0043	0.0020	1.57		1,3-Dichlorobenzene	ND	0.0047	0.0027	1.57	
Benzene	0.0037	0.0025	0.0017	1.57		1,4-Dichlorobenzene	ND	0.0047	0.0030	1.57	
Carbon Tetrachloride	ND	0.0049	0.0027	1.57		1,2-Dichlorobenzene	ND	0.0047	0.0030	1.57	
1,2-Dichloropropane	ND	0.0036	0.0024	1.57		1,2,4-Trichlorobenzene	ND	0.012	0.0089	1.57	
Bromodichloromethane	0.0041	0.0053	0.0030	1.57	J	Hexachloro-1,3-Butadiene	ND	0.0084	0.0062	1.57	
c-1,3-Dichloropropene	ND	0.0036	0.0017	1.57		Methyl-t-Butyl Ether (MTBE)	ND	0.011	0.0015	1.57	
t-1,3-Dichloropropene	ND	0.0071	0.0049	1.57							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/15/04
Work Order No: 04-03-0916
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-01-03	04-03-0916-2	03/15/04	Air	N/A	03/21/04	040321L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	3.9	1.7	1.57		1,1,2-Trichloroethane	ND	4.3	2.3	1.57	
Chloromethane	2.4	1.6	0.93	1.57		Toluene	5.1	3.0	2.0	1.57	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	22	2.7	1.57		2-Hexanone	ND	6.4	4.7	1.57	
Vinyl Chloride	ND	2.0	0.98	1.57		4-Methyl-2-Pentanone	ND	6.4	5.6	1.57	
Bromomethane	ND	3.0	1.5	1.57		Dibromochloromethane	ND	6.7	3.6	1.57	
Chloroethane	ND	2.1	1.4	1.57		Trichloroethene	ND	4.2	2.3	1.57	
Trichlorofluoromethane	14	4	2.2	1.57		1,2-Dibromoethane	ND	6.0	3.3	1.57	
Acetone	150	3	1.5	1.57		Tetrachloroethene	11	5	3.4	1.57	
1,1-Dichloroethene	ND	3.1	1.6	1.57		Chlorobenzene	ND	3.6	2.5	1.57	
Methylene Chloride	ND	11	1.7	1.57		Ethylbenzene	ND	3.4	2.3	1.57	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	12	2.7	1.57		p/m-Xylene	ND	6.8	4.7	1.57	
Carbon Disulfide	ND	2.4	1.3	1.57		Bromoform	ND	8.1	4.4	1.57	
t-1,2-Dichloroethene	ND	3.1	1.7	1.57		Styrene	ND	6.7	4.3	1.57	
1,1-Dichloroethane	ND	3.2	1.4	1.57		1,1,2,2-Tetrachloroethane	ND	5.5	4.3	1.57	
Vinyl Acetate	ND	5.5	4.8	1.57		o-Xylene	ND	3.4	2.5	1.57	
2-Butanone	16	4	2.9	1.57		4-Ethyltoluene	ND	3.9	1.9	1.57	
c-1,2-Dichloroethene	ND	3.1	1.4	1.57		1,3,5-Trimethylbenzene	ND	3.9	2.6	1.57	
Chloroform	48	3	1.6	1.57		1,2,4-Trimethylbenzene	ND	7.7	7.1	1.57	
1,2-Dichloroethane	ND	3.2	1.4	1.57		Benzyl Chloride	ND	8.1	5.2	1.57	
1,1,1-Trichloroethane	6.7	4.3	2.0	1.57		1,3-Dichlorobenzene	ND	4.7	2.7	1.57	
Benzene	3.7	2.5	1.7	1.57		1,4-Dichlorobenzene	ND	4.7	3.0	1.57	
Carbon Tetrachloride	ND	4.9	2.7	1.57		1,2-Dichlorobenzene	ND	4.7	3.0	1.57	
1,2-Dichloropropane	ND	3.6	2.4	1.57		1,2,4-Trichlorobenzene	ND	12	8.9	1.57	
Bromodichloromethane	4.1	5.3	3.0	1.57	J	Hexachloro-1,3-Butadiene	ND	8.4	6.2	1.57	
c-1,3-Dichloropropene	ND	3.6	1.7	1.57		Methyl-t-Butyl Ether (MTBE)	ND	11	1.5	1.57	
t-1,3-Dichloropropene	ND	7.1	4.9	1.57							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4-SG-02-01	04-03-0916-3	03/15/04	Air	N/A	03/22/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	0.73	0.32	1.46		1,1,2-Trichloroethane	ND	0.73	0.40	1.46	
Chloromethane	ND	0.73	0.42	1.46		Toluene	14	0.73	0.50	1.46	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	2.9	0.36	1.46		2-Hexanone	3.4	1.5	1.1	1.46	
Vinyl Chloride	ND	0.73	0.36	1.46		4-Methyl-2-Pentanone	ND	1.5	1.3	1.46	
Bromomethane	ND	0.73	0.36	1.46		Dibromochloromethane	ND	0.73	0.40	1.46	
Chloroethane	ND	0.73	0.50	1.46		Trichloroethene	ND	0.73	0.41	1.46	
Trichlorofluoromethane	ND	0.73	0.36	1.46		1,2-Dibromoethane	ND	0.73	0.40	1.46	
Acetone	43	1	0.59	1.46		Tetrachloroethene	1.5	0.7	0.47	1.46	
1,1-Dichloroethene	ND	0.73	0.37	1.46		Chlorobenzene	ND	0.73	0.50	1.46	
Methylene Chloride	ND	2.9	0.46	1.46		Ethylbenzene	1.7	0.7	0.49	1.46	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	1.5	0.33	1.46		p/m-Xylene	4.1	1.5	1.0	1.46	
Carbon Disulfide	ND	0.73	0.38	1.46		Bromoform	ND	0.73	0.39	1.46	
t-1,2-Dichloroethene	ND	0.73	0.39	1.46		Styrene	1.1	1.5	0.94	1.46	J
1,1-Dichloroethane	ND	0.73	0.33	1.46		1,1,2,2-Tetrachloroethane	ND	0.73	0.57	1.46	
Vinyl Acetate	ND	1.5	1.3	1.46		o-Xylene	1.6	0.7	0.54	1.46	
2-Butanone	12	1	0.92	1.46		4-Ethyltoluene	0.69	0.73	0.37	1.46	J
c-1,2-Dichloroethene	ND	0.73	0.33	1.46		1,3,5-Trimethylbenzene	ND	0.73	0.50	1.46	
Chloroform	35	0.73	0.30	1.46		1,2,4-Trimethylbenzene	ND	1.5	1.3	1.46	
1,2-Dichloroethane	ND	0.73	0.33	1.46		Benzyl Chloride	ND	1.5	0.93	1.46	
1,1,1-Trichloroethane	ND	0.73	0.35	1.46		1,3-Dichlorobenzene	ND	0.73	0.41	1.46	
Benzene	19	0.73	0.49	1.46		1,4-Dichlorobenzene	ND	0.73	0.46	1.46	
Carbon Tetrachloride	ND	0.73	0.40	1.46		1,2-Dichlorobenzene	ND	0.73	0.47	1.46	
1,2-Dichloropropane	ND	0.73	0.47	1.46		1,2,4-Trichlorobenzene	ND	1.5	1.1	1.46	
Bromodichloromethane	ND	0.73	0.42	1.46		Hexachloro-1,3-Butadiene	ND	0.73	0.54	1.46	
c-1,3-Dichloropropene	ND	0.73	0.34	1.46		Methyl-t-Butyl Ether (MTBE)	ND	2.9	0.40	1.46	
t-1,3-Dichloropropene	ND	1.5	1.0	1.46							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4-SG-02-01	04-03-0916-3	03/15/04	Air	N/A	03/22/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	0.0036	0.0016	1.46		1,1,2-Trichloroethane	ND	0.0040	0.0022	1.46	
Chloromethane	ND	0.0015	0.0008	1.46		Toluene	0.053	0.002	0.0019	1.46	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	0.020	0.0025	1.46		2-Hexanone	0.014	0.006	0.0044	1.46	
Vinyl Chloride	ND	0.0019	0.0009	1.46		4-Methyl-2-Pentanone	ND	0.0060	0.0052	1.46	
Bromomethane	ND	0.0028	0.0014	1.46		Dibromochloromethane	ND	0.0062	0.0034	1.46	
Chloroethane	ND	0.0019	0.0013	1.46		Trichloroethene	ND	0.0039	0.0022	1.46	
Trichlorofluoromethane	ND	0.0041	0.0020	1.46		1,2-Dibromoethane	ND	0.0056	0.0031	1.46	
Acetone	0.10	0.0035	0.0014	1.46		Tetrachloroethene	0.010	0.005	0.0032	1.46	
1,1-Dichloroethene	ND	0.0029	0.0015	1.46		Chlorobenzene	ND	0.0034	0.0023	1.46	
Methylene Chloride	ND	0.010	0.0016	1.46		Ethylbenzene	0.0074	0.0032	0.0021	1.46	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	0.011	0.0025	1.46		p/m-Xylene	0.018	0.006	0.0044	1.46	
Carbon Disulfide	ND	0.0023	0.0012	1.46		Bromoform	ND	0.0075	0.0041	1.46	
t-1,2-Dichloroethene	ND	0.0029	0.0015	1.46		Styrene	0.0046	0.0062	0.0040	1.46	J
1,1-Dichloroethane	ND	0.0030	0.0013	1.46		1,1,2,2-Tetrachloroethane	ND	0.0051	0.0040	1.46	
Vinyl Acetate	ND	0.0051	0.0044	1.46		o-Xylene	0.0070	0.0032	0.0023	1.46	
2-Butanone	0.036	0.004	0.0027	1.46		4-Ethyltoluene	0.0034	0.0036	0.0018	1.46	J
c-1,2-Dichloroethene	ND	0.0029	0.0013	1.46		1,3,5-Trimethylbenzene	ND	0.0036	0.0025	1.46	
Chloroform	0.17	0.0036	0.0015	1.46		1,2,4-Trimethylbenzene	ND	0.0072	0.0066	1.46	
1,2-Dichloroethane	ND	0.0030	0.0013	1.46		Benzyl Chloride	ND	0.0076	0.0048	1.46	
1,1,1-Trichloroethane	ND	0.0040	0.0019	1.46		1,3-Dichlorobenzene	ND	0.0044	0.0025	1.46	
Benzene	0.060	0.002	0.0016	1.46		1,4-Dichlorobenzene	ND	0.0044	0.0027	1.46	
Carbon Tetrachloride	ND	0.0046	0.0025	1.46		1,2-Dichlorobenzene	ND	0.0044	0.0028	1.46	
1,2-Dichloropropane	ND	0.0034	0.0022	1.46		1,2,4-Trichlorobenzene	ND	0.011	0.0083	1.46	
Bromodichloromethane	ND	0.0049	0.0028	1.46		Hexachloro-1,3-Butadiene	ND	0.0078	0.0057	1.46	
c-1,3-Dichloropropene	ND	0.0033	0.0016	1.46		Methyl-t-Butyl Ether (MTBE)	ND	0.011	0.0014	1.46	
t-1,3-Dichloropropene	ND	0.0066	0.0045	1.46							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4-SG-02-01	04-03-0916-3	03/15/04	Air	N/A	03/22/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	3.6	1.6	1.46		1,1,2-Trichloroethane	ND	4.0	2.2	1.46	
Chloromethane	ND	1.5	0.87	1.46		Toluene	53	2	1.9	1.46	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	20	2.5	1.46		2-Hexanone	14	6	4.4	1.46	
Vinyl Chloride	ND	1.9	0.92	1.46		4-Methyl-2-Pentanone	ND	6.0	5.2	1.46	
Bromomethane	ND	2.8	1.4	1.46		Dibromochloromethane	ND	6.2	3.4	1.46	
Chloroethane	ND	1.9	1.3	1.46		Trichloroethene	ND	3.9	2.2	1.46	
Trichlorofluoromethane	ND	4.1	2.0	1.46		1,2-Dibromoethane	ND	5.6	3.1	1.46	
Acetone	100	3	1.4	1.46		Tetrachloroethene	10	5	3.2	1.46	
1,1-Dichloroethene	ND	2.9	1.5	1.46		Chlorobenzene	ND	3.4	2.3	1.46	
Methylene Chloride	ND	10	1.6	1.46		Ethylbenzene	7.4	3.2	2.1	1.46	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	11	2.5	1.46		p/m-Xylene	18	6	4.4	1.46	
Carbon Disulfide	ND	2.3	1.2	1.46		Bromoform	ND	7.5	4.1	1.46	
t-1,2-Dichloroethene	ND	2.9	1.5	1.46		Styrene	4.6	6.2	4.0	1.46	J
1,1-Dichloroethane	ND	3.0	1.3	1.46		1,1,2,2-Tetrachloroethane	ND	5.1	4.0	1.46	
Vinyl Acetate	ND	5.1	4.4	1.46		o-Xylene	7.0	3.2	2.3	1.46	
2-Butanone	36	4	2.7	1.46		4-Ethyltoluene	3.4	3.6	1.8	1.46	J
c-1,2-Dichloroethene	ND	2.9	1.3	1.46		1,3,5-Trimethylbenzene	ND	3.6	2.5	1.46	
Chloroform	170	3	1.5	1.46		1,2,4-Trimethylbenzene	ND	7.2	6.6	1.46	
1,2-Dichloroethane	ND	3.0	1.3	1.46		Benzyl Chloride	ND	7.6	4.8	1.46	
1,1,1-Trichloroethane	ND	4.0	1.9	1.46		1,3-Dichlorobenzene	ND	4.4	2.5	1.46	
Benzene	60	2	1.6	1.46		1,4-Dichlorobenzene	ND	4.4	2.7	1.46	
Carbon Tetrachloride	ND	4.6	2.5	1.46		1,2-Dichlorobenzene	ND	4.4	2.8	1.46	
1,2-Dichloropropane	ND	3.4	2.2	1.46		1,2,4-Trichlorobenzene	ND	11	8.3	1.46	
Bromodichloromethane	ND	4.9	2.8	1.46		Hexachloro-1,3-Butadiene	ND	7.8	5.7	1.46	
c-1,3-Dichloropropene	ND	3.3	1.6	1.46		Methyl-t-Butyl Ether (MTBE)	ND	11	1.4	1.46	
t-1,3-Dichloropropene	ND	6.6	4.5	1.46							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-03-01	04-03-0916-4	03/15/04	Air	N/A	03/22/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	0.68	0.69	0.31	1.38	J	1,1,2-Trichloroethane	ND	0.69	0.37	1.38	
Chloromethane	ND	0.69	0.40	1.38		Toluene	0.77	0.69	0.48	1.38	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	2.8	0.34	1.38		2-Hexanone	ND	1.4	1.0	1.38	
Vinyl Chloride	ND	0.69	0.34	1.38		4-Methyl-2-Pentanone	ND	1.4	1.2	1.38	
Bromomethane	ND	0.69	0.34	1.38		Dibromochloromethane	ND	0.69	0.37	1.38	
Chloroethane	ND	0.69	0.48	1.38		Trichloroethene	ND	0.69	0.38	1.38	
Trichlorofluoromethane	0.62	0.69	0.34	1.38	J	1,2-Dibromoethane	ND	0.69	0.38	1.38	
Acetone	19	1	0.56	1.38		Tetrachloroethene	0.47	0.69	0.44	1.38	J
1,1-Dichloroethene	ND	0.69	0.35	1.38		Chlorobenzene	ND	0.69	0.48	1.38	
Methylene Chloride	ND	2.8	0.43	1.38		Ethylbenzene	ND	0.69	0.47	1.38	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	1.4	0.31	1.38		p/m-Xylene	1.3	1.4	0.96	1.38	J
Carbon Disulfide	ND	0.69	0.36	1.38		Bromoform	ND	0.69	0.37	1.38	
t-1,2-Dichloroethene	ND	0.69	0.37	1.38		Styrene	ND	1.4	0.88	1.38	
1,1-Dichloroethane	ND	0.69	0.31	1.38		1,1,2,2-Tetrachloroethane	ND	0.69	0.54	1.38	
Vinyl Acetate	ND	1.4	1.2	1.38		o-Xylene	0.71	0.69	0.51	1.38	
2-Butanone	6.8	1.4	0.87	1.38		4-Ethyltoluene	ND	0.69	0.35	1.38	
c-1,2-Dichloroethene	ND	0.69	0.31	1.38		1,3,5-Trimethylbenzene	ND	0.69	0.47	1.38	
Chloroform	ND	0.69	0.29	1.38		1,2,4-Trimethylbenzene	ND	1.4	1.3	1.38	
1,2-Dichloroethane	ND	0.69	0.31	1.38		Benzyl Chloride	ND	1.4	0.88	1.38	
1,1,1-Trichloroethane	ND	0.69	0.33	1.38		1,3-Dichlorobenzene	ND	0.69	0.39	1.38	
Benzene	0.69	0.69	0.47	1.38		1,4-Dichlorobenzene	ND	0.69	0.43	1.38	
Carbon Tetrachloride	ND	0.69	0.38	1.38		1,2-Dichlorobenzene	ND	0.69	0.44	1.38	
1,2-Dichloropropane	ND	0.69	0.45	1.38		1,2,4-Trichlorobenzene	ND	1.4	1.1	1.38	
Bromodichloromethane	ND	0.69	0.40	1.38		Hexachloro-1,3-Butadiene	ND	0.69	0.51	1.38	
c-1,3-Dichloropropene	ND	0.69	0.32	1.38		Methyl-t-Butyl Ether (MTBE)	ND	2.8	0.37	1.38	
t-1,3-Dichloropropene	ND	1.4	0.94	1.38							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-03-01	04-03-0916-4	03/15/04	Air	N/A	03/22/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	3.4	3.4	1.5	1.38	J	1,1,2-Trichloroethane	ND	3.8	2.0	1.38	
Chloromethane	ND	1.4	0.82	1.38		Toluene	2.9	2.6	1.8	1.38	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	19	2.4	1.38		2-Hexanone	ND	5.7	4.1	1.38	
Vinyl Chloride	ND	1.8	0.87	1.38		4-Methyl-2-Pentanone	ND	5.7	4.9	1.38	
Bromomethane	ND	2.7	1.3	1.38		Dibromochloromethane	ND	5.9	3.2	1.38	
Chloroethane	ND	1.8	1.3	1.38		Trichloroethene	ND	3.7	2.1	1.38	
Trichlorofluoromethane	3.5	3.9	1.9	1.38	J	1,2-Dibromoethane	ND	5.3	2.9	1.38	
Acetone	45	3	1.3	1.38		Tetrachloroethene	3.2	4.7	3.0	1.38	J
1,1-Dichloroethene	ND	2.7	1.4	1.38		Chlorobenzene	ND	3.2	2.2	1.38	
Methylene Chloride	ND	9.6	1.5	1.38		Ethylbenzene	ND	3.0	2.0	1.38	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	11	2.4	1.38		p/m-Xylene	5.7	6.0	4.2	1.38	J
Carbon Disulfide	ND	2.1	1.1	1.38		Bromoform	ND	7.1	3.8	1.38	
t-1,2-Dichloroethene	ND	2.7	1.5	1.38		Styrene	ND	5.9	3.8	1.38	
1,1-Dichloroethane	ND	2.8	1.3	1.38		1,1,2,2-Tetrachloroethane	ND	4.8	3.8	1.38	
Vinyl Acetate	ND	4.9	4.2	1.38		o-Xylene	3.1	3.0	2.2	1.38	
2-Butanone	20	4	2.6	1.38		4-Ethyltoluene	ND	3.4	1.7	1.38	
c-1,2-Dichloroethene	ND	2.7	1.2	1.38		1,3,5-Trimethylbenzene	ND	3.4	2.3	1.38	
Chloroform	ND	3.4	1.4	1.38		1,2,4-Trimethylbenzene	ND	6.8	6.2	1.38	
1,2-Dichloroethane	ND	2.8	1.3	1.38		Benzyl Chloride	ND	7.1	4.6	1.38	
1,1,1-Trichloroethane	ND	3.8	1.8	1.38		1,3-Dichlorobenzene	ND	4.1	2.3	1.38	
Benzene	2.2	2.2	1.5	1.38		1,4-Dichlorobenzene	ND	4.1	2.6	1.38	
Carbon Tetrachloride	ND	4.3	2.4	1.38		1,2-Dichlorobenzene	ND	4.1	2.7	1.38	
1,2-Dichloropropane	ND	3.2	2.1	1.38		1,2,4-Trichlorobenzene	ND	10	7.9	1.38	
Bromodichloromethane	ND	4.6	2.7	1.38		Hexachloro-1,3-Butadiene	ND	7.4	5.4	1.38	
c-1,3-Dichloropropene	ND	3.1	1.5	1.38		Methyl-t-Butyl Ether (MTBE)	ND	10	1.4	1.38	
t-1,3-Dichloropropene	ND	6.3	4.3	1.38							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-03-01	04-03-0916-4	03/15/04	Air	N/A	03/22/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	0.0034	0.0034	0.0015	1.38	J	1,1,2-Trichloroethane	ND	0.0038	0.0020	1.38	
Chloromethane	ND	0.0014	0.0008	1.38		Toluene	0.0029	0.0026	0.0018	1.38	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	0.019	0.0024	1.38		2-Hexanone	ND	0.0057	0.0041	1.38	
Vinyl Chloride	ND	0.0018	0.0008	1.38		4-Methyl-2-Pentanone	ND	0.0057	0.0049	1.38	
Bromomethane	ND	0.0027	0.0013	1.38		Dibromochloromethane	ND	0.0059	0.0032	1.38	
Chloroethane	ND	0.0018	0.0013	1.38		Trichloroethene	ND	0.0037	0.0021	1.38	
Trichlorofluoromethane	0.0035	0.0039	0.0019	1.38	J	1,2-Dibromoethane	ND	0.0053	0.0029	1.38	
Acetone	0.045	0.003	0.0013	1.38		Tetrachloroethene	0.0032	0.0047	0.0030	1.38	J
1,1-Dichloroethene	ND	0.0027	0.0014	1.38		Chlorobenzene	ND	0.0032	0.0022	1.38	
Methylene Chloride	ND	0.0096	0.0015	1.38		Ethylbenzene	ND	0.0030	0.0020	1.38	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	0.011	0.0024	1.38		p/m-Xylene	0.0057	0.0060	0.0042	1.38	J
Carbon Disulfide	ND	0.0021	0.0011	1.38		Bromoform	ND	0.0071	0.0038	1.38	
t-1,2-Dichloroethene	ND	0.0027	0.0015	1.38		Styrene	ND	0.0059	0.0038	1.38	
1,1-Dichloroethane	ND	0.0028	0.0013	1.38		1,1,2,2-Tetrachloroethane	ND	0.0048	0.0038	1.38	
Vinyl Acetate	ND	0.0049	0.0042	1.38		o-Xylene	0.0031	0.0030	0.0022	1.38	
2-Butanone	0.020	0.004	0.0026	1.38		4-Ethyltoluene	ND	0.0034	0.0017	1.38	
c-1,2-Dichloroethene	ND	0.0027	0.0012	1.38		1,3,5-Trimethylbenzene	ND	0.0034	0.0023	1.38	
Chloroform	ND	0.0034	0.0014	1.38		1,2,4-Trimethylbenzene	ND	0.0068	0.0062	1.38	
1,2-Dichloroethane	ND	0.0028	0.0013	1.38		Benzyl Chloride	ND	0.0071	0.0046	1.38	
1,1,1-Trichloroethane	ND	0.0038	0.0018	1.38		1,3-Dichlorobenzene	ND	0.0041	0.0023	1.38	
Benzene	0.0022	0.0022	0.0015	1.38		1,4-Dichlorobenzene	ND	0.0041	0.0026	1.38	
Carbon Tetrachloride	ND	0.0043	0.0024	1.38		1,2-Dichlorobenzene	ND	0.0041	0.0027	1.38	
1,2-Dichloropropane	ND	0.0032	0.0021	1.38		1,2,4-Trichlorobenzene	ND	0.010	0.0079	1.38	
Bromodichloromethane	ND	0.0046	0.0027	1.38		Hexachloro-1,3-Butadiene	ND	0.0074	0.0054	1.38	
c-1,3-Dichloropropene	ND	0.0031	0.0015	1.38		Methyl-t-Butyl Ether (MTBE)	ND	0.010	0.0014	1.38	
t-1,3-Dichloropropene	ND	0.0063	0.0043	1.38							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-04-01	04-03-0916-5	03/15/04	Air	N/A	03/22/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	0.56	0.69	0.30	1.37	J	1,1,2-Trichloroethane	ND	0.69	0.37	1.37	
Chloromethane	ND	0.69	0.39	1.37		Toluene	2.0	0.6	0.47	1.37	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	2.7	0.34	1.37		2-Hexanone	1.1	1.4	1.0	1.37	J
Vinyl Chloride	ND	0.69	0.34	1.37		4-Methyl-2-Pentanone	ND	1.4	1.2	1.37	
Bromomethane	ND	0.69	0.34	1.37		Dibromochloromethane	ND	0.69	0.37	1.37	
Chloroethane	ND	0.69	0.47	1.37		Trichloroethene	ND	0.69	0.38	1.37	
Trichlorofluoromethane	ND	0.69	0.34	1.37		1,2-Dibromoethane	ND	0.69	0.38	1.37	
Acetone	11	1	0.56	1.37		Tetrachloroethene	1.4	0.6	0.44	1.37	
1,1-Dichloroethene	ND	0.69	0.35	1.37		Chlorobenzene	ND	0.69	0.47	1.37	
Methylene Chloride	ND	2.7	0.43	1.37		Ethylbenzene	0.48	0.69	0.46	1.37	J
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	1.4	0.31	1.37		p/m-Xylene	1.4	1.4	0.95	1.37	
Carbon Disulfide	13	0.69	0.36	1.37		Bromoform	ND	0.69	0.37	1.37	
t-1,2-Dichloroethene	ND	0.69	0.36	1.37		Styrene	ND	1.4	0.88	1.37	
1,1-Dichloroethane	ND	0.69	0.31	1.37		1,1,2,2-Tetrachloroethane	ND	0.69	0.54	1.37	
Vinyl Acetate	ND	1.4	1.2	1.37		o-Xylene	ND	0.69	0.50	1.37	
2-Butanone	3.6	1.4	0.86	1.37		4-Ethyltoluene	0.48	0.69	0.35	1.37	J
c-1,2-Dichloroethene	ND	0.69	0.31	1.37		1,3,5-Trimethylbenzene	ND	0.69	0.47	1.37	
Chloroform	0.30	0.69	0.29	1.37	J	1,2,4-Trimethylbenzene	ND	1.4	1.3	1.37	
1,2-Dichloroethane	ND	0.69	0.31	1.37		Benzyl Chloride	ND	1.4	0.88	1.37	
1,1,1-Trichloroethane	ND	0.69	0.33	1.37		1,3-Dichlorobenzene	ND	0.69	0.39	1.37	
Benzene	2.6	0.6	0.46	1.37		1,4-Dichlorobenzene	ND	0.69	0.43	1.37	
Carbon Tetrachloride	ND	0.69	0.38	1.37		1,2-Dichlorobenzene	ND	0.69	0.44	1.37	
1,2-Dichloropropane	ND	0.69	0.45	1.37		1,2,4-Trichlorobenzene	ND	1.4	1.1	1.37	
Bromodichloromethane	ND	0.69	0.39	1.37		Hexachloro-1,3-Butadiene	ND	0.69	0.51	1.37	
c-1,3-Dichloropropene	ND	0.69	0.32	1.37		Methyl-t-Butyl Ether (MTBE)	0.40	2.7	0.37	1.37	J
t-1,3-Dichloropropene	ND	1.4	0.94	1.37							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-04-01	04-03-0916-5	03/15/04	Air	N/A	03/22/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	0.0028	0.0034	0.0015	1.37	J	1,1,2-Trichloroethane	ND	0.0037	0.0020	1.37	
Chloromethane	ND	0.0014	0.0008	1.37		Toluene	0.0076	0.0026	0.0018	1.37	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	0.019	0.0023	1.37		2-Hexanone	0.0043	0.0056	0.0041	1.37	J
Vinyl Chloride	ND	0.0018	0.0008	1.37		4-Methyl-2-Pentanone	ND	0.0056	0.0049	1.37	
Bromomethane	ND	0.0027	0.0013	1.37		Dibromochloromethane	ND	0.0058	0.0032	1.37	
Chloroethane	ND	0.0018	0.0012	1.37		Trichloroethene	ND	0.0037	0.0020	1.37	
Trichlorofluoromethane	ND	0.0038	0.0019	1.37		1,2-Dibromoethane	ND	0.0053	0.0029	1.37	
Acetone	0.027	0.003	0.0013	1.37		Tetrachloroethene	0.0097	0.0046	0.0030	1.37	
1,1-Dichloroethene	ND	0.0027	0.0014	1.37		Chlorobenzene	ND	0.0032	0.0022	1.37	
Methylene Chloride	ND	0.0095	0.0015	1.37		Ethylbenzene	0.0021	0.0030	0.0020	1.37	J
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	0.010	0.0024	1.37		p/m-Xylene	0.0062	0.0059	0.0041	1.37	
Carbon Disulfide	0.041	0.002	0.0011	1.37		Bromoform	ND	0.0071	0.0038	1.37	
t-1,2-Dichloroethene	ND	0.0027	0.0014	1.37		Styrene	ND	0.0058	0.0037	1.37	
1,1-Dichloroethane	ND	0.0028	0.0013	1.37		1,1,2,2-Tetrachloroethane	ND	0.0048	0.0037	1.37	
Vinyl Acetate	ND	0.0048	0.0042	1.37		o-Xylene	ND	0.0030	0.0022	1.37	
2-Butanone	0.011	0.004	0.0025	1.37		4-Ethyltoluene	0.0024	0.0034	0.0017	1.37	J
c-1,2-Dichloroethene	ND	0.0027	0.0012	1.37		1,3,5-Trimethylbenzene	ND	0.0034	0.0023	1.37	
Chloroform	0.0015	0.0033	0.0014	1.37	J	1,2,4-Trimethylbenzene	ND	0.0067	0.0062	1.37	
1,2-Dichloroethane	ND	0.0028	0.0012	1.37		Benzyl Chloride	ND	0.0071	0.0045	1.37	
1,1,1-Trichloroethane	ND	0.0037	0.0018	1.37		1,3-Dichlorobenzene	ND	0.0041	0.0023	1.37	
Benzene	0.0083	0.0022	0.0015	1.37		1,4-Dichlorobenzene	ND	0.0041	0.0026	1.37	
Carbon Tetrachloride	ND	0.0043	0.0024	1.37		1,2-Dichlorobenzene	ND	0.0041	0.0026	1.37	
1,2-Dichloropropane	ND	0.0032	0.0021	1.37		1,2,4-Trichlorobenzene	ND	0.010	0.0078	1.37	
Bromodichloromethane	ND	0.0046	0.0026	1.37		Hexachloro-1,3-Butadiene	ND	0.0073	0.0054	1.37	
c-1,3-Dichloropropene	ND	0.0031	0.0015	1.37		Methyl-t-Butyl Ether (MTBE)	0.0015	0.0099	0.0013	1.37	J
t-1,3-Dichloropropene	ND	0.0062	0.0042	1.37							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-04-01	04-03-0916-5	03/15/04	Air	N/A	03/22/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	2.8	3.4	1.5	1.37	J	1,1,2-Trichloroethane	ND	3.7	2.0	1.37	
Chloromethane	ND	1.4	0.81	1.37		Toluene	7.6	2.6	1.8	1.37	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	19	2.3	1.37		2-Hexanone	4.3	5.6	4.1	1.37	J
Vinyl Chloride	ND	1.8	0.86	1.37		4-Methyl-2-Pentanone	ND	5.6	4.9	1.37	
Bromomethane	ND	2.7	1.3	1.37		Dibromochloromethane	ND	5.8	3.2	1.37	
Chloroethane	ND	1.8	1.2	1.37		Trichloroethene	ND	3.7	2.0	1.37	
Trichlorofluoromethane	ND	3.8	1.9	1.37		1,2-Dibromoethane	ND	5.3	2.9	1.37	
Acetone	27	3	1.3	1.37		Tetrachloroethene	9.7	4.6	3.0	1.37	
1,1-Dichloroethene	ND	2.7	1.4	1.37		Chlorobenzene	ND	3.2	2.2	1.37	
Methylene Chloride	ND	9.5	1.5	1.37		Ethylbenzene	2.1	3.0	2.0	1.37	J
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	10	2.4	1.37		p/m-Xylene	6.2	5.9	4.1	1.37	
Carbon Disulfide	41	2	1.1	1.37		Bromoform	ND	7.1	3.8	1.37	
t-1,2-Dichloroethene	ND	2.7	1.4	1.37		Styrene	ND	5.8	3.7	1.37	
1,1-Dichloroethane	ND	2.8	1.3	1.37		1,1,2,2-Tetrachloroethane	ND	4.8	3.7	1.37	
Vinyl Acetate	ND	4.8	4.2	1.37		o-Xylene	ND	3.0	2.2	1.37	
2-Butanone	11	4	2.5	1.37		4-Ethyltoluene	2.4	3.4	1.7	1.37	J
c-1,2-Dichloroethene	ND	2.7	1.2	1.37		1,3,5-Trimethylbenzene	ND	3.4	2.3	1.37	
Chloroform	1.5	3.3	1.4	1.37	J	1,2,4-Trimethylbenzene	ND	6.7	6.2	1.37	
1,2-Dichloroethane	ND	2.8	1.2	1.37		Benzyl Chloride	ND	7.1	4.5	1.37	
1,1,1-Trichloroethane	ND	3.7	1.8	1.37		1,3-Dichlorobenzene	ND	4.1	2.3	1.37	
Benzene	8.3	2.2	1.5	1.37		1,4-Dichlorobenzene	ND	4.1	2.6	1.37	
Carbon Tetrachloride	ND	4.3	2.4	1.37		1,2-Dichlorobenzene	ND	4.1	2.6	1.37	
1,2-Dichloropropane	ND	3.2	2.1	1.37		1,2,4-Trichlorobenzene	ND	10	7.8	1.37	
Bromodichloromethane	ND	4.6	2.6	1.37		Hexachloro-1,3-Butadiene	ND	7.3	5.4	1.37	
c-1,3-Dichloropropene	ND	3.1	1.5	1.37		Methyl-t-Butyl Ether (MTBE)	1.5	9.9	1.3	1.37	J
t-1,3-Dichloropropene	ND	6.2	4.2	1.37							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-05-01	04-03-0916-6	03/15/04	Air	N/A	03/22/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	0.70	0.31	1.4		1,1,2-Trichloroethane	ND	0.70	0.38	1.4	
Chloromethane	0.62	0.70	0.40	1.4	J	Toluene	1.7	0.7	0.48	1.4	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	2.8	0.34	1.4		2-Hexanone	ND	1.4	1.0	1.4	
Vinyl Chloride	ND	0.70	0.34	1.4		4-Methyl-2-Pentanone	ND	1.4	1.2	1.4	
Bromomethane	ND	0.70	0.34	1.4		Dibromochloromethane	ND	0.70	0.38	1.4	
Chloroethane	ND	0.70	0.48	1.4		Trichloroethene	ND	0.70	0.39	1.4	
Trichlorofluoromethane	0.79	0.70	0.35	1.4		1,2-Dibromoethane	ND	0.70	0.38	1.4	
Acetone	4.0	1.4	0.57	1.4		Tetrachloroethene	ND	0.70	0.45	1.4	
1,1-Dichloroethene	ND	0.70	0.35	1.4		Chlorobenzene	ND	0.70	0.48	1.4	
Methylene Chloride	ND	2.8	0.44	1.4		Ethylbenzene	ND	0.70	0.47	1.4	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	1.4	0.32	1.4		p/m-Xylene	ND	1.4	0.97	1.4	
Carbon Disulfide	0.51	0.70	0.37	1.4	J	Bromoform	ND	0.70	0.38	1.4	
t-1,2-Dichloroethene	ND	0.70	0.37	1.4		Styrene	ND	1.4	0.90	1.4	
1,1-Dichloroethane	ND	0.70	0.32	1.4		1,1,2,2-Tetrachloroethane	ND	0.70	0.55	1.4	
Vinyl Acetate	ND	1.4	1.2	1.4		o-Xylene	ND	0.70	0.51	1.4	
2-Butanone	0.89	1.4	0.88	1.4	J	4-Ethyltoluene	ND	0.70	0.35	1.4	
c-1,2-Dichloroethene	ND	0.70	0.31	1.4		1,3,5-Trimethylbenzene	ND	0.70	0.48	1.4	
Chloroform	ND	0.70	0.29	1.4		1,2,4-Trimethylbenzene	ND	1.4	1.3	1.4	
1,2-Dichloroethane	ND	0.70	0.31	1.4		Benzyl Chloride	ND	1.4	0.90	1.4	
1,1,1-Trichloroethane	ND	0.70	0.33	1.4		1,3-Dichlorobenzene	ND	0.70	0.40	1.4	
Benzene	2.7	0.7	0.47	1.4		1,4-Dichlorobenzene	ND	0.70	0.44	1.4	
Carbon Tetrachloride	ND	0.70	0.39	1.4		1,2-Dichlorobenzene	ND	0.70	0.45	1.4	
1,2-Dichloropropane	ND	0.70	0.46	1.4		1,2,4-Trichlorobenzene	ND	1.4	1.1	1.4	
Bromodichloromethane	ND	0.70	0.40	1.4		Hexachloro-1,3-Butadiene	ND	0.70	0.52	1.4	
c-1,3-Dichloropropene	ND	0.70	0.33	1.4		Methyl-t-Butyl Ether (MTBE)	ND	2.8	0.38	1.4	
t-1,3-Dichloropropene	ND	1.4	0.96	1.4							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-05-01	04-03-0916-6	03/15/04	Air	N/A	03/22/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	0.0035	0.0015	1.4		1,1,2-Trichloroethane	ND	0.0038	0.0021	1.4	
Chloromethane	0.0013	0.0014	0.0008	1.4	J	Toluene	0.0066	0.0026	0.0018	1.4	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	0.020	0.0024	1.4		2-Hexanone	ND	0.0057	0.0042	1.4	
Vinyl Chloride	ND	0.0018	0.0008	1.4		4-Methyl-2-Pentanone	ND	0.0057	0.0050	1.4	
Bromomethane	ND	0.0027	0.0013	1.4		Dibromochloromethane	ND	0.0060	0.0032	1.4	
Chloroethane	ND	0.0018	0.0013	1.4		Trichloroethene	ND	0.0038	0.0021	1.4	
Trichlorofluoromethane	0.0044	0.0039	0.0019	1.4		1,2-Dibromoethane	ND	0.0054	0.0030	1.4	
Acetone	0.0095	0.0033	0.0014	1.4		Tetrachloroethene	ND	0.0047	0.0030	1.4	
1,1-Dichloroethene	ND	0.0028	0.0014	1.4		Chlorobenzene	ND	0.0032	0.0022	1.4	
Methylene Chloride	ND	0.0097	0.0015	1.4		Ethylbenzene	ND	0.0030	0.0021	1.4	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	0.011	0.0024	1.4		p/m-Xylene	ND	0.0061	0.0042	1.4	
Carbon Disulfide	0.0016	0.0022	0.0011	1.4	J	Bromoform	ND	0.0072	0.0039	1.4	
t-1,2-Dichloroethene	ND	0.0028	0.0015	1.4		Styrene	ND	0.0060	0.0038	1.4	
1,1-Dichloroethane	ND	0.0028	0.0013	1.4		1,1,2,2-Tetrachloroethane	ND	0.0049	0.0038	1.4	
Vinyl Acetate	ND	0.0049	0.0043	1.4		o-Xylene	ND	0.0030	0.0022	1.4	
2-Butanone	0.0026	0.0041	0.0026	1.4	J	4-Ethyltoluene	ND	0.0034	0.0017	1.4	
c-1,2-Dichloroethene	ND	0.0028	0.0012	1.4		1,3,5-Trimethylbenzene	ND	0.0034	0.0024	1.4	
Chloroform	ND	0.0034	0.0014	1.4		1,2,4-Trimethylbenzene	ND	0.0069	0.0063	1.4	
1,2-Dichloroethane	ND	0.0028	0.0013	1.4		Benzyl Chloride	ND	0.0072	0.0046	1.4	
1,1,1-Trichloroethane	ND	0.0038	0.0018	1.4		1,3-Dichlorobenzene	ND	0.0042	0.0024	1.4	
Benzene	0.0086	0.0022	0.0015	1.4		1,4-Dichlorobenzene	ND	0.0042	0.0026	1.4	
Carbon Tetrachloride	ND	0.0044	0.0024	1.4		1,2-Dichlorobenzene	ND	0.0042	0.0027	1.4	
1,2-Dichloropropane	ND	0.0032	0.0021	1.4		1,2,4-Trichlorobenzene	ND	0.010	0.0080	1.4	
Bromodichloromethane	ND	0.0047	0.0027	1.4		Hexachloro-1,3-Butadiene	ND	0.0075	0.0055	1.4	
c-1,3-Dichloropropene	ND	0.0032	0.0015	1.4		Methyl-t-Butyl Ether (MTBE)	ND	0.010	0.0014	1.4	
t-1,3-Dichloropropene	ND	0.0064	0.0043	1.4							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC-3-4-SG-03-HY	04-03-0916-5	03/15/04	Air	N/A	03/22/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	3.5	1.5	1.4		1,1,2-Trichloroethane	ND	3.8	2.1	1.4	
Chloromethane	1.3	1.4	0.83	1.4	J	Toluene	6.6	2.6	1.8	1.4	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	20	2.4	1.4		2-Hexanone	ND	5.7	4.2	1.4	
Vinyl Chloride	ND	1.8	0.88	1.4		4-Methyl-2-Pentanone	ND	5.7	5.0	1.4	
Bromomethane	ND	2.7	1.3	1.4		Dibromochloromethane	ND	6.0	3.2	1.4	
Chloroethane	ND	1.8	1.3	1.4		Trichloroethene	ND	3.8	2.1	1.4	
Trichlorofluoromethane	4.4	3.9	1.9	1.4		1,2-Dibromoethane	ND	5.4	3.0	1.4	
Acetone	9.5	3.3	1.4	1.4		Tetrachloroethene	ND	4.7	3.0	1.4	
1,1-Dichloroethene	ND	2.8	1.4	1.4		Chlorobenzene	ND	3.2	2.2	1.4	
Methylene Chloride	ND	9.7	1.5	1.4		Ethylbenzene	ND	3.0	2.1	1.4	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	11	2.4	1.4		p/m-Xylene	ND	6.1	4.2	1.4	
Carbon Disulfide	1.6	2.2	1.1	1.4	J	Bromoform	ND	7.2	3.9	1.4	
t-1,2-Dichloroethene	ND	2.8	1.5	1.4		Styrene	ND	6.0	3.8	1.4	
1,1-Dichloroethane	ND	2.8	1.3	1.4		1,1,2,2-Tetrachloroethane	ND	4.9	3.8	1.4	
Vinyl Acetate	ND	4.9	4.3	1.4		o-Xylene	ND	3.0	2.2	1.4	
2-Butanone	2.6	4.1	2.6	1.4	J	4-Ethyltoluene	ND	3.4	1.7	1.4	
c-1,2-Dichloroethene	ND	2.8	1.2	1.4		1,3,5-Trimethylbenzene	ND	3.4	2.4	1.4	
Chloroform	ND	3.4	1.4	1.4		1,2,4-Trimethylbenzene	ND	6.9	6.3	1.4	
1,2-Dichloroethane	ND	2.8	1.3	1.4		Benzyl Chloride	ND	7.2	4.6	1.4	
1,1,1-Trichloroethane	ND	3.8	1.8	1.4		1,3-Dichlorobenzene	ND	4.2	2.4	1.4	
Benzene	8.6	2.2	1.5	1.4		1,4-Dichlorobenzene	ND	4.2	2.6	1.4	
Carbon Tetrachloride	ND	4.4	2.4	1.4		1,2-Dichlorobenzene	ND	4.2	2.7	1.4	
1,2-Dichloropropane	ND	3.2	2.1	1.4		1,2,4-Trichlorobenzene	ND	10	8.0	1.4	
Bromodichloromethane	ND	4.7	2.7	1.4		Hexachloro-1,3-Butadiene	ND	7.5	5.5	1.4	
c-1,3-Dichloropropene	ND	3.2	1.5	1.4		Methyl-t-Butyl Ether (MTBE)	ND	10	1.4	1.4	
t-1,3-Dichloropropene	ND	6.4	4.3	1.4							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-10-01	04-03-0916-7	03/15/04	Air	N/A	03/23/04	040323L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	0.69	0.69	0.31	1.38	J	1,1,2-Trichloroethane	ND	0.69	0.37	1.38	
Chloromethane	0.48	0.69	0.40	1.38	J	Toluene	25	0.69	0.48	1.38	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	2.8	0.34	1.38		2-Hexanone	ND	1.4	1.0	1.38	
Vinyl Chloride	ND	0.69	0.34	1.38		4-Methyl-2-Pentanone	ND	1.4	1.2	1.38	
Bromomethane	ND	0.69	0.34	1.38		Dibromochloromethane	ND	0.69	0.37	1.38	
Chloroethane	ND	0.69	0.48	1.38		Trichloroethene	ND	0.69	0.38	1.38	
Trichlorofluoromethane	0.38	0.69	0.34	1.38	J	1,2-Dibromoethane	ND	0.69	0.38	1.38	
Acetone	21	1	0.56	1.38		Tetrachloroethene	ND	0.69	0.44	1.38	
1,1-Dichloroethene	ND	0.69	0.35	1.38		Chlorobenzene	ND	0.69	0.48	1.38	
Methylene Chloride	ND	2.8	0.43	1.38		Ethylbenzene	4.5	0.6	0.47	1.38	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	1.4	0.31	1.38		p/m-Xylene	16	1	0.96	1.38	
Carbon Disulfide	ND	0.69	0.36	1.38		Bromoform	ND	0.69	0.37	1.38	
t-1,2-Dichloroethene	ND	0.69	0.37	1.38		Styrene	1.2	1.4	0.88	1.38	J
1,1-Dichloroethane	ND	0.69	0.31	1.38		1,1,2,2-Tetrachloroethane	ND	0.69	0.54	1.38	
Vinyl Acetate	ND	1.4	1.2	1.38		o-Xylene	5.9	0.6	0.51	1.38	
2-Butanone	3.6	1.4	0.87	1.38		4-Ethyltoluene	1.5	0.6	0.35	1.38	
c-1,2-Dichloroethene	ND	0.69	0.31	1.38		1,3,5-Trimethylbenzene	1.6	0.6	0.47	1.38	
Chloroform	ND	0.69	0.29	1.38		1,2,4-Trimethylbenzene	9.4	1.4	1.3	1.38	
1,2-Dichloroethane	ND	0.69	0.31	1.38		Benzyl Chloride	ND	1.4	0.88	1.38	
1,1,1-Trichloroethane	ND	0.69	0.33	1.38		1,3-Dichlorobenzene	ND	0.69	0.39	1.38	
Benzene	15	0.69	0.47	1.38		1,4-Dichlorobenzene	ND	0.69	0.43	1.38	
Carbon Tetrachloride	ND	0.69	0.38	1.38		1,2-Dichlorobenzene	ND	0.69	0.44	1.38	
1,2-Dichloropropane	ND	0.69	0.45	1.38		1,2,4-Trichlorobenzene	ND	1.4	1.1	1.38	
Bromodichloromethane	ND	0.69	0.40	1.38		Hexachloro-1,3-Butadiene	ND	0.69	0.51	1.38	
c-1,3-Dichloropropene	ND	0.69	0.32	1.38		Methyl-t-Butyl Ether (MTBE)	ND	2.8	0.37	1.38	
t-1,3-Dichloropropene	ND	1.4	0.94	1.38							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-10-01	04-03-0916-7	03/15/04	Air	N/A	03/23/04	040323L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	0.0034	0.0034	0.0015	1.38	J	1,1,2-Trichloroethane	ND	0.0038	0.0020	1.38	
Chloromethane	0.00098	0.0014	0.0008	1.38	J	Toluene	0.094	0.002	0.0018	1.38	
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	ND	0.019	0.0024	1.38		2-Hexanone	ND	0.0057	0.0041	1.38	
Vinyl Chloride	ND	0.0018	0.0008	1.38		4-Methyl-2-Pentanone	ND	0.0057	0.0049	1.38	
Bromomethane	ND	0.0027	0.0013	1.38		Dibromochloromethane	ND	0.0059	0.0032	1.38	
Chloroethane	ND	0.0018	0.0013	1.38		Trichloroethene	ND	0.0037	0.0021	1.38	
Trichlorofluoromethane	0.0021	0.0039	0.0019	1.38	J	1,2-Dibromoethane	ND	0.0053	0.0029	1.38	
Acetone	0.050	0.003	0.0013	1.38		Tetrachloroethene	ND	0.0047	0.0030	1.38	
1,1-Dichloroethene	ND	0.0027	0.0014	1.38		Chlorobenzene	ND	0.0032	0.0022	1.38	
Methylene Chloride	ND	0.0096	0.0015	1.38		Ethylbenzene	0.019	0.003	0.0020	1.38	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	0.0024	1.38		p/m-Xylene	0.069	0.006	0.0042	1.38	
Carbon Disulfide	ND	0.0021	0.0011	1.38		Bromoform	ND	0.0071	0.0038	1.38	
t-1,2-Dichloroethene	ND	0.0027	0.0015	1.38		Styrene	0.0050	0.0059	0.0038	1.38	J
1,1-Dichloroethane	ND	0.0028	0.0013	1.38		1,1,2,2-Tetrachloroethane	ND	0.0048	0.0038	1.38	
Vinyl Acetate	ND	0.0049	0.0042	1.38		o-Xylene	0.026	0.003	0.0022	1.38	
2-Butanone	0.011	0.004	0.0026	1.38		4-Ethyltoluene	0.0073	0.0034	0.0017	1.38	
c-1,2-Dichloroethene	ND	0.0027	0.0012	1.38		1,3,5-Trimethylbenzene	0.0081	0.0034	0.0023	1.38	
Chloroform	ND	0.0034	0.0014	1.38		1,2,4-Trimethylbenzene	0.046	0.006	0.0062	1.38	
1,2-Dichloroethane	ND	0.0028	0.0013	1.38		Benzyl Chloride	ND	0.0071	0.0046	1.38	
1,1,1-Trichloroethane	ND	0.0038	0.0018	1.38		1,3-Dichlorobenzene	ND	0.0041	0.0023	1.38	
Benzene	0.047	0.002	0.0015	1.38		1,4-Dichlorobenzene	ND	0.0041	0.0026	1.38	
Carbon Tetrachloride	ND	0.0043	0.0024	1.38		1,2-Dichlorobenzene	ND	0.0041	0.0027	1.38	
1,2-Dichloropropane	ND	0.0032	0.0021	1.38		1,2,4-Trichlorobenzene	ND	0.010	0.0079	1.38	
Bromodichloromethane	ND	0.0046	0.0027	1.38		Hexachloro-1,3-Butadiene	ND	0.0074	0.0054	1.38	
c-1,3-Dichloropropene	ND	0.0031	0.0015	1.38		Methyl-t-Butyl Ether (MTBE)	ND	0.010	0.0014	1.38	
t-1,3-Dichloropropene	ND	0.0063	0.0043	1.38							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-10-01	04-03-0916-7	03/15/04	Air	N/A	03/23/04	040323L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	3.4	3.4	1.5	1.38	J	1,1,2-Trichloroethane	ND	3.8	2.0	1.38	
Chloromethane	0.98	1.4	0.82	1.38	J	Toluene	94	2	1.8	1.38	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	19	2.4	1.38		2-Hexanone	ND	5.7	4.1	1.38	
Vinyl Chloride	ND	1.8	0.87	1.38		4-Methyl-2-Pentanone	ND	5.7	4.9	1.38	
Bromomethane	ND	2.7	1.3	1.38		Dibromochloromethane	ND	5.9	3.2	1.38	
Chloroethane	ND	1.8	1.3	1.38		Trichloroethene	ND	3.7	2.1	1.38	
Trichlorofluoromethane	2.1	3.9	1.9	1.38	J	1,2-Dibromoethane	ND	5.3	2.9	1.38	
Acetone	50	3	1.3	1.38		Tetrachloroethene	ND	4.7	3.0	1.38	
1,1-Dichloroethene	ND	2.7	1.4	1.38		Chlorobenzene	ND	3.2	2.2	1.38	
Methylene Chloride	ND	9.6	1.5	1.38		Ethylbenzene	19	3	2.0	1.38	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	11	2.4	1.38		p/m-Xylene	69	6	4.2	1.38	
Carbon Disulfide	ND	2.1	1.1	1.38		Bromoform	ND	7.1	3.8	1.38	
t-1,2-Dichloroethene	ND	2.7	1.5	1.38		Styrene	5.0	5.9	3.8	1.38	J
1,1-Dichloroethane	ND	2.8	1.3	1.38		1,1,2,2-Tetrachloroethane	ND	4.8	3.8	1.38	
Vinyl Acetate	ND	4.9	4.2	1.38		o-Xylene	26	3	2.2	1.38	
2-Butanone	11	4	2.6	1.38		4-Ethyltoluene	7.3	3.4	1.7	1.38	
c-1,2-Dichloroethene	ND	2.7	1.2	1.38		1,3,5-Trimethylbenzene	8.1	3.4	2.3	1.38	
Chloroform	ND	3.4	1.4	1.38		1,2,4-Trimethylbenzene	46	6	6.2	1.38	
1,2-Dichloroethane	ND	2.8	1.3	1.38		Benzyl Chloride	ND	7.1	4.6	1.38	
1,1,1-Trichloroethane	ND	3.8	1.8	1.38		1,3-Dichlorobenzene	ND	4.1	2.3	1.38	
Benzene	47	2	1.5	1.38		1,4-Dichlorobenzene	ND	4.1	2.6	1.38	
Carbon Tetrachloride	ND	4.3	2.4	1.38		1,2-Dichlorobenzene	ND	4.1	2.7	1.38	
1,2-Dichloropropane	ND	3.2	2.1	1.38		1,2,4-Trichlorobenzene	ND	10	7.9	1.38	
Bromodichloromethane	ND	4.6	2.7	1.38		Hexachloro-1,3-Butadiene	ND	7.4	5.4	1.38	
c-1,3-Dichloropropene	ND	3.1	1.5	1.38		Methyl-t-Butyl Ether (MTBE)	ND	10	1.4	1.38	
t-1,3-Dichloropropene	ND	6.3	4.3	1.38							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-06-01	04-03-0916-8	03/15/04	Air	N/A	03/23/04	040323L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	0.51	0.70	0.31	1.39	J	1,1,2-Trichloroethane	ND	0.70	0.38	1.39	
Chloromethane	ND	0.70	0.40	1.39		Toluene	5.6	0.7	0.48	1.39	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	2.8	0.34	1.39		2-Hexanone	ND	1.4	1.0	1.39	
Vinyl Chloride	ND	0.70	0.34	1.39		4-Methyl-2-Pentanone	ND	1.4	1.2	1.39	
Bromomethane	ND	0.70	0.34	1.39		Dibromochloromethane	ND	0.70	0.38	1.39	
Chloroethane	ND	0.70	0.48	1.39		Trichloroethene	ND	0.70	0.39	1.39	
Trichlorofluoromethane	ND	0.70	0.34	1.39		1,2-Dibromoethane	ND	0.70	0.38	1.39	
Acetone	12	1	0.57	1.39		Tetrachloroethene	ND	0.70	0.45	1.39	
1,1-Dichloroethene	ND	0.70	0.35	1.39		Chlorobenzene	ND	0.70	0.48	1.39	
Methylene Chloride	ND	2.8	0.43	1.39		Ethylbenzene	1.0	0.7	0.47	1.39	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	1.4	0.32	1.39		p/m-Xylene	3.5	1.4	0.96	1.39	
Carbon Disulfide	0.37	0.70	0.36	1.39	J	Bromoform	ND	0.70	0.37	1.39	
t-1,2-Dichloroethene	ND	0.70	0.37	1.39		Styrene	ND	1.4	0.89	1.39	
1,1-Dichloroethane	ND	0.70	0.32	1.39		1,1,2,2-Tetrachloroethane	ND	0.70	0.54	1.39	
Vinyl Acetate	ND	1.4	1.2	1.39		o-Xylene	1.3	0.7	0.51	1.39	
2-Butanone	2.9	1.4	0.88	1.39		4-Ethyltoluene	1.5	0.7	0.35	1.39	
c-1,2-Dichloroethene	ND	0.70	0.31	1.39		1,3,5-Trimethylbenzene	0.48	0.70	0.47	1.39	J
Chloroform	0.59	0.70	0.29	1.39	J	1,2,4-Trimethylbenzene	1.9	1.4	1.3	1.39	
1,2-Dichloroethane	ND	0.70	0.31	1.39		Benzyl Chloride	ND	1.4	0.89	1.39	
1,1,1-Trichloroethane	ND	0.70	0.33	1.39		1,3-Dichlorobenzene	ND	0.70	0.39	1.39	
Benzene	4.0	0.7	0.47	1.39		1,4-Dichlorobenzene	ND	0.70	0.43	1.39	
Carbon Tetrachloride	ND	0.70	0.38	1.39		1,2-Dichlorobenzene	ND	0.70	0.45	1.39	
1,2-Dichloropropane	ND	0.70	0.45	1.39		1,2,4-Trichlorobenzene	ND	1.4	1.1	1.39	
Bromodichloromethane	ND	0.70	0.40	1.39		Hexachloro-1,3-Butadiene	ND	0.70	0.51	1.39	
c-1,3-Dichloropropene	ND	0.70	0.33	1.39		Methyl-t-Butyl Ether (MTBE)	ND	2.8	0.38	1.39	
t-1,3-Dichloropropene	ND	1.4	0.95	1.39							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-06-01	04-03-0916-8	03/15/04	Air	N/A	03/23/04	040323L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	0.0025	0.0034	0.0015	1.39	J	1,1,2-Trichloroethane	ND	0.0038	0.0021	1.39	
Chloromethane	ND	0.0014	0.0008	1.39		Toluene	0.021	0.002	0.0018	1.39	
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	ND	0.019	0.0024	1.39		2-Hexanone	ND	0.0057	0.0042	1.39	
Vinyl Chloride	ND	0.0018	0.0008	1.39		4-Methyl-2-Pentanone	ND	0.0057	0.0049	1.39	
Bromomethane	ND	0.0027	0.0013	1.39		Dibromochloromethane	ND	0.0059	0.0032	1.39	
Chloroethane	ND	0.0018	0.0013	1.39		Trichloroethene	ND	0.0037	0.0021	1.39	
Trichlorofluoromethane	ND	0.0039	0.0019	1.39		1,2-Dibromoethane	ND	0.0053	0.0029	1.39	
Acetone	0.029	0.003	0.0013	1.39		Tetrachloroethene	ND	0.0047	0.0030	1.39	
1,1-Dichloroethene	ND	0.0028	0.0014	1.39		Chlorobenzene	ND	0.0032	0.0022	1.39	
Methylene Chloride	ND	0.0097	0.0015	1.39		Ethylbenzene	0.0044	0.0030	0.0020	1.39	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	0.0024	1.39		p/m-Xylene	0.015	0.006	0.0042	1.39	
Carbon Disulfide	0.0012	0.0022	0.0011	1.39	J	Bromoform	ND	0.0072	0.0039	1.39	
t-1,2-Dichloroethene	ND	0.0028	0.0015	1.39		Styrene	ND	0.0059	0.0038	1.39	
1,1-Dichloroethane	ND	0.0028	0.0013	1.39		1,1,2,2-Tetrachloroethane	ND	0.0048	0.0038	1.39	
Vinyl Acetate	ND	0.0049	0.0042	1.39		o-Xylene	0.0055	0.0030	0.0022	1.39	
2-Butanone	0.0085	0.0041	0.0026	1.39		4-Ethyltoluene	0.0073	0.0034	0.0017	1.39	
c-1,2-Dichloroethene	ND	0.0028	0.0012	1.39		1,3,5-Trimethylbenzene	0.0024	0.0034	0.0023	1.39	J
Chloroform	0.0029	0.0034	0.0014	1.39	J	1,2,4-Trimethylbenzene	0.0096	0.0068	0.0063	1.39	
1,2-Dichloroethane	ND	0.0028	0.0013	1.39		Benzyl Chloride	ND	0.0072	0.0046	1.39	
1,1,1-Trichloroethane	ND	0.0038	0.0018	1.39		1,3-Dichlorobenzene	ND	0.0042	0.0024	1.39	
Benzene	0.013	0.002	0.0015	1.39		1,4-Dichlorobenzene	ND	0.0042	0.0026	1.39	
Carbon Tetrachloride	ND	0.0044	0.0024	1.39		1,2-Dichlorobenzene	ND	0.0042	0.0027	1.39	
1,2-Dichloropropane	ND	0.0032	0.0021	1.39		1,2,4-Trichlorobenzene	ND	0.010	0.0079	1.39	
Bromodichloromethane	ND	0.0047	0.0027	1.39		Hexachloro-1,3-Butadiene	ND	0.0074	0.0055	1.39	
c-1,3-Dichloropropene	ND	0.0032	0.0015	1.39		Methyl-t-Butyl Ether (MTBE)	ND	0.010	0.0014	1.39	
t-1,3-Dichloropropene	ND	0.0063	0.0043	1.39							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-06-01	04-03-0916-8	03/15/04	Air	N/A	03/23/04	040323L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	2.5	3.4	1.5	1.39	J	1,1,2-Trichloroethane	ND	3.8	2.1	1.39	
Chloromethane	ND	1.4	0.83	1.39		Toluene	21	2	1.8	1.39	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	19	2.4	1.39		2-Hexanone	ND	5.7	4.2	1.39	
Vinyl Chloride	ND	1.8	0.87	1.39		4-Methyl-2-Pentanone	ND	5.7	4.9	1.39	
Bromomethane	ND	2.7	1.3	1.39		Dibromochloromethane	ND	5.9	3.2	1.39	
Chloroethane	ND	1.8	1.3	1.39		Trichloroethene	ND	3.7	2.1	1.39	
Trichlorofluoromethane	ND	3.9	1.9	1.39		1,2-Dibromoethane	ND	5.3	2.9	1.39	
Acetone	29	3	1.3	1.39		Tetrachloroethene	ND	4.7	3.0	1.39	
1,1-Dichloroethene	ND	2.8	1.4	1.39		Chlorobenzene	ND	3.2	2.2	1.39	
Methylene Chloride	ND	9.7	1.5	1.39		Ethylbenzene	4.4	3.0	2.0	1.39	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	11	2.4	1.39		p/m-Xylene	15	6	4.2	1.39	
Carbon Disulfide	1.2	2.2	1.1	1.39	J	Bromoform	ND	7.2	3.9	1.39	
t-1,2-Dichloroethene	ND	2.8	1.5	1.39		Styrene	ND	5.9	3.8	1.39	
1,1-Dichloroethane	ND	2.8	1.3	1.39		1,1,2,2-Tetrachloroethane	ND	4.8	3.8	1.39	
Vinyl Acetate	ND	4.9	4.2	1.39		o-Xylene	5.5	3.0	2.2	1.39	
2-Butanone	8.5	4.1	2.6	1.39		4-Ethyltoluene	7.3	3.4	1.7	1.39	
c-1,2-Dichloroethene	ND	2.8	1.2	1.39		1,3,5-Trimethylbenzene	2.4	3.4	2.3	1.39	J
Chloroform	2.9	3.4	1.4	1.39	J	1,2,4-Trimethylbenzene	9.6	6.8	6.3	1.39	
1,2-Dichloroethane	ND	2.8	1.3	1.39		Benzyl Chloride	ND	7.2	4.6	1.39	
1,1,1-Trichloroethane	ND	3.8	1.8	1.39		1,3-Dichlorobenzene	ND	4.2	2.4	1.39	
Benzene	13	2	1.5	1.39		1,4-Dichlorobenzene	ND	4.2	2.6	1.39	
Carbon Tetrachloride	ND	4.4	2.4	1.39		1,2-Dichlorobenzene	ND	4.2	2.7	1.39	
1,2-Dichloropropane	ND	3.2	2.1	1.39		1,2,4-Trichlorobenzene	ND	10	7.9	1.39	
Bromodichloromethane	ND	4.7	2.7	1.39		Hexachloro-1,3-Butadiene	ND	7.4	5.5	1.39	
c-1,3-Dichloropropene	ND	3.2	1.5	1.39		Methyl-t-Butyl Ether (MTBE)	ND	10	1.4	1.39	
t-1,3-Dichloropropene	ND	6.3	4.3	1.39							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-07-01	04-03-0916-9	03/15/04	Air	N/A	03/23/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	0.58	0.75	0.33	1.5	J	1,1,2-Trichloroethane	ND	0.75	0.41	1.5	
Chloromethane	ND	0.75	0.43	1.5		Toluene	8.0	0.7	0.52	1.5	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	3.0	0.37	1.5		2-Hexanone	ND	1.5	1.1	1.5	
Vinyl Chloride	ND	0.75	0.37	1.5		4-Methyl-2-Pentanone	ND	1.5	1.3	1.5	
Bromomethane	ND	0.75	0.37	1.5		Dibromochloromethane	ND	0.75	0.41	1.5	
Chloroethane	ND	0.75	0.52	1.5		Trichloroethene	ND	0.75	0.42	1.5	
Trichlorofluoromethane	ND	0.75	0.37	1.5		1,2-Dibromoethane	ND	0.75	0.41	1.5	
Acetone	27	1	0.61	1.5		Tetrachloroethene	2.3	0.7	0.48	1.5	
1,1-Dichloroethene	ND	0.75	0.38	1.5		Chlorobenzene	ND	0.75	0.52	1.5	
Methylene Chloride	ND	3.0	0.47	1.5		Ethylbenzene	0.98	0.75	0.51	1.5	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	1.5	0.34	1.5		p/m-Xylene	2.8	1.5	1.0	1.5	
Carbon Disulfide	1.9	0.7	0.39	1.5		Bromoform	ND	0.75	0.40	1.5	
t-1,2-Dichloroethene	ND	0.75	0.40	1.5		Styrene	ND	1.5	0.96	1.5	
1,1-Dichloroethane	ND	0.75	0.34	1.5		1,1,2,2-Tetrachloroethane	ND	0.75	0.59	1.5	
Vinyl Acetate	ND	1.5	1.3	1.5		o-Xylene	0.83	0.75	0.55	1.5	
2-Butanone	8.3	1.5	0.95	1.5		4-Ethyltoluene	ND	0.75	0.38	1.5	
c-1,2-Dichloroethene	ND	0.75	0.34	1.5		1,3,5-Trimethylbenzene	ND	0.75	0.51	1.5	
Chloroform	3.5	0.7	0.31	1.5		1,2,4-Trimethylbenzene	ND	1.5	1.4	1.5	
1,2-Dichloroethane	ND	0.75	0.34	1.5		Benzyl Chloride	ND	1.5	0.96	1.5	
1,1,1-Trichloroethane	ND	0.75	0.36	1.5		1,3-Dichlorobenzene	ND	0.75	0.42	1.5	
Benzene	9.4	0.7	0.51	1.5		1,4-Dichlorobenzene	ND	0.75	0.47	1.5	
Carbon Tetrachloride	ND	0.75	0.41	1.5		1,2-Dichlorobenzene	ND	0.75	0.48	1.5	
1,2-Dichloropropane	ND	0.75	0.49	1.5		1,2,4-Trichlorobenzene	ND	1.5	1.2	1.5	
Bromodichloromethane	ND	0.75	0.43	1.5		Hexachloro-1,3-Butadiene	ND	0.75	0.55	1.5	
c-1,3-Dichloropropene	ND	0.75	0.35	1.5		Methyl-t-Butyl Ether (MTBE)	0.89	3.0	0.41	1.5	J
t-1,3-Dichloropropene	ND	1.5	1.0	1.5							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-07-01	04-03-0916-9	03/15/04	Air	N/A	03/23/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	0.0029	0.0037	0.0016	1.5	J	1,1,2-Trichloroethane	ND	0.0041	0.0022	1.5	
Chloromethane	ND	0.0015	0.0008	1.5		Toluene	0.030	0.002	0.0019	1.5	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	0.021	0.0026	1.5		2-Hexanone	ND	0.0061	0.0045	1.5	
Vinyl Chloride	ND	0.0019	0.0009	1.5		4-Methyl-2-Pentanone	ND	0.0061	0.0053	1.5	
Bromomethane	ND	0.0029	0.0014	1.5		Dibromochloromethane	ND	0.0064	0.0035	1.5	
Chloroethane	ND	0.0020	0.0014	1.5		Trichloroethene	ND	0.0040	0.0022	1.5	
Trichlorofluoromethane	ND	0.0042	0.0021	1.5		1,2-Dibromoethane	ND	0.0058	0.0032	1.5	
Acetone	0.065	0.003	0.0014	1.5		Tetrachloroethene	0.016	0.005	0.0033	1.5	
1,1-Dichloroethene	ND	0.0030	0.0015	1.5		Chlorobenzene	ND	0.0035	0.0024	1.5	
Methylene Chloride	ND	0.010	0.0016	1.5		Ethylbenzene	0.0042	0.0033	0.0022	1.5	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	0.011	0.0026	1.5		p/m-Xylene	0.012	0.006	0.0045	1.5	
Carbon Disulfide	0.0060	0.0023	0.0012	1.5		Bromoform	ND	0.0078	0.0042	1.5	
t-1,2-Dichloroethene	ND	0.0030	0.0016	1.5		Styrene	ND	0.0064	0.0041	1.5	
1,1-Dichloroethane	ND	0.0030	0.0014	1.5		1,1,2,2-Tetrachloroethane	ND	0.0052	0.0041	1.5	
Vinyl Acetate	ND	0.0053	0.0046	1.5		o-Xylene	0.0036	0.0033	0.0024	1.5	
2-Butanone	0.024	0.004	0.0028	1.5		4-Ethyltoluene	ND	0.0037	0.0019	1.5	
c-1,2-Dichloroethene	ND	0.0030	0.0013	1.5		1,3,5-Trimethylbenzene	ND	0.0037	0.0025	1.5	
Chloroform	0.017	0.003	0.0015	1.5		1,2,4-Trimethylbenzene	ND	0.0074	0.0068	1.5	
1,2-Dichloroethane	ND	0.0030	0.0014	1.5		Benzyl Chloride	ND	0.0078	0.0050	1.5	
1,1,1-Trichloroethane	ND	0.0041	0.0020	1.5		1,3-Dichlorobenzene	ND	0.0045	0.0025	1.5	
Benzene	0.030	0.002	0.0016	1.5		1,4-Dichlorobenzene	ND	0.0045	0.0028	1.5	
Carbon Tetrachloride	ND	0.0047	0.0026	1.5		1,2-Dichlorobenzene	ND	0.0045	0.0029	1.5	
1,2-Dichloropropane	ND	0.0035	0.0023	1.5		1,2,4-Trichlorobenzene	ND	0.011	0.0085	1.5	
Bromodichloromethane	ND	0.0050	0.0029	1.5		Hexachloro-1,3-Butadiene	ND	0.0080	0.0059	1.5	
c-1,3-Dichloropropene	ND	0.0034	0.0016	1.5		Methyl-t-Butyl Ether (MTBE)	0.0032	0.011	0.0015	1.5	J
t-1,3-Dichloropropene	ND	0.0068	0.0047	1.5							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-07-01	04-03-0916-9	03/15/04	Air	N/A	03/23/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	2.9	3.7	1.6	1.5	J	1,1,2-Trichloroethane	ND	4.1	2.2	1.5	
Chloromethane	ND	1.5	0.89	1.5		Toluene	30	2	1.9	1.5	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	21	2.6	1.5		2-Hexanone	ND	6.1	4.5	1.5	
Vinyl Chloride	ND	1.9	0.94	1.5		4-Methyl-2-Pentanone	ND	6.1	5.3	1.5	
Bromomethane	ND	2.9	1.4	1.5		Dibromochloromethane	ND	6.4	3.5	1.5	
Chloroethane	ND	2.0	1.4	1.5		Trichloroethene	ND	4.0	2.2	1.5	
Trichlorofluoromethane	ND	4.2	2.1	1.5		1,2-Dibromoethane	ND	5.8	3.2	1.5	
Acetone	65	3	1.4	1.5		Tetrachloroethene	16	5	3.3	1.5	
1,1-Dichloroethene	ND	3.0	1.5	1.5		Chlorobenzene	ND	3.5	2.4	1.5	
Methylene Chloride	ND	10	1.6	1.5		Ethylbenzene	4.2	3.3	2.2	1.5	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	11	2.6	1.5		p/m-Xylene	12	6	4.5	1.5	
Carbon Disulfide	6.0	2.3	1.2	1.5		Bromoform	ND	7.8	4.2	1.5	
t-1,2-Dichloroethene	ND	3.0	1.6	1.5		Styrene	ND	6.4	4.1	1.5	
1,1-Dichloroethane	ND	3.0	1.4	1.5		1,1,2,2-Tetrachloroethane	ND	5.2	4.1	1.5	
Vinyl Acetate	ND	5.3	4.6	1.5		o-Xylene	3.6	3.3	2.4	1.5	
2-Butanone	24	4	2.8	1.5		4-Ethyltoluene	ND	3.7	1.9	1.5	
c-1,2-Dichloroethene	ND	3.0	1.3	1.5		1,3,5-Trimethylbenzene	ND	3.7	2.5	1.5	
Chloroform	17	3	1.5	1.5		1,2,4-Trimethylbenzene	ND	7.4	6.8	1.5	
1,2-Dichloroethane	ND	3.0	1.4	1.5		Benzyl Chloride	ND	7.8	5.0	1.5	
1,1,1-Trichloroethane	ND	4.1	2.0	1.5		1,3-Dichlorobenzene	ND	4.5	2.5	1.5	
Benzene	30	2	1.6	1.5		1,4-Dichlorobenzene	ND	4.5	2.8	1.5	
Carbon Tetrachloride	ND	4.7	2.6	1.5		1,2-Dichlorobenzene	ND	4.5	2.9	1.5	
1,2-Dichloropropane	ND	3.5	2.3	1.5		1,2,4-Trichlorobenzene	ND	11	8.5	1.5	
Bromodichloromethane	ND	5.0	2.9	1.5		Hexachloro-1,3-Butadiene	ND	8.0	5.9	1.5	
c-1,3-Dichloropropene	ND	3.4	1.6	1.5		Methyl-t-Butyl Ether (MTBE)	3.2	11.0	1.5	1.5	J
t-1,3-Dichloropropene	ND	6.8	4.7	1.5							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ppb (v/v)

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-09-01	04-03-0916-10	03/15/04	Air	N/A	03/23/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	0.81	0.69	0.31	1.38		1,1,2-Trichloroethane	ND	0.69	0.37	1.38	
Chloromethane	ND	0.69	0.40	1.38		Toluene	1.3	0.6	0.48	1.38	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	2.8	0.34	1.38		2-Hexanone	ND	1.4	1.0	1.38	
Vinyl Chloride	ND	0.69	0.34	1.38		4-Methyl-2-Pentanone	ND	1.4	1.2	1.38	
Bromomethane	ND	0.69	0.34	1.38		Dibromochloromethane	ND	0.69	0.37	1.38	
Chloroethane	ND	0.69	0.48	1.38		Trichloroethene	ND	0.69	0.38	1.38	
Trichlorofluoromethane	1.1	0.6	0.34	1.38		1,2-Dibromoethane	ND	0.69	0.38	1.38	
Acetone	3.9	1.4	0.56	1.38		Tetrachloroethene	0.82	0.69	0.44	1.38	
1,1-Dichloroethene	0.55	0.69	0.35	1.38	J	Chlorobenzene	ND	0.69	0.48	1.38	
Methylene Chloride	ND	2.8	0.43	1.38		Ethylbenzene	ND	0.69	0.47	1.38	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	0.35	1.4	0.31	1.38	J	p/m-Xylene	ND	1.4	0.96	1.38	
Carbon Disulfide	ND	0.69	0.36	1.38		Bromoform	ND	0.69	0.37	1.38	
t-1,2-Dichloroethene	ND	0.69	0.37	1.38		Styrene	ND	1.4	0.88	1.38	
1,1-Dichloroethane	ND	0.69	0.31	1.38		1,1,2,2-Tetrachloroethane	ND	0.69	0.54	1.38	
Vinyl Acetate	ND	1.4	1.2	1.38		o-Xylene	ND	0.69	0.51	1.38	
2-Butanone	ND	1.4	0.87	1.38		4-Ethyltoluene	ND	0.69	0.35	1.38	
c-1,2-Dichloroethene	ND	0.69	0.31	1.38		1,3,5-Trimethylbenzene	ND	0.69	0.47	1.38	
Chloroform	1.4	0.6	0.29	1.38		1,2,4-Trimethylbenzene	ND	1.4	1.3	1.38	
1,2-Dichloroethane	ND	0.69	0.31	1.38		Benzyl Chloride	ND	1.4	0.88	1.38	
1,1,1-Trichloroethane	3.5	0.6	0.33	1.38		1,3-Dichlorobenzene	ND	0.69	0.39	1.38	
Benzene	1.7	0.6	0.47	1.38		1,4-Dichlorobenzene	ND	0.69	0.43	1.38	
Carbon Tetrachloride	ND	0.69	0.38	1.38		1,2-Dichlorobenzene	ND	0.69	0.44	1.38	
1,2-Dichloropropane	ND	0.69	0.45	1.38		1,2,4-Trichlorobenzene	ND	1.4	1.1	1.38	
Bromodichloromethane	ND	0.69	0.40	1.38		Hexachloro-1,3-Butadiene	ND	0.69	0.51	1.38	
c-1,3-Dichloropropene	ND	0.69	0.32	1.38		Methyl-t-Butyl Ether (MTBE)	ND	2.8	0.37	1.38	
t-1,3-Dichloropropene	ND	1.4	0.94	1.38							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-09-01	04-03-0916-10	03/15/04	Air	N/A	03/23/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	0.0040	0.0034	0.0015	1.38		1,1,2-Trichloroethane	ND	0.0038	0.0020	1.38	
Chloromethane	ND	0.0014	0.0008	1.38		Toluene	0.0048	0.0026	0.0018	1.38	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	0.019	0.0024	1.38		2-Hexanone	ND	0.0057	0.0041	1.38	
Vinyl Chloride	ND	0.0018	0.0008	1.38		4-Methyl-2-Pentanone	ND	0.0057	0.0049	1.38	
Bromomethane	ND	0.0027	0.0013	1.38		Dibromochloromethane	ND	0.0059	0.0032	1.38	
Chloroethane	ND	0.0018	0.0013	1.38		Trichloroethene	ND	0.0037	0.0021	1.38	
Trichlorofluoromethane	0.0063	0.0039	0.0019	1.38		1,2-Dibromoethane	ND	0.0053	0.0029	1.38	
Acetone	0.0092	0.0033	0.0013	1.38		Tetrachloroethene	0.0056	0.0047	0.0030	1.38	
1,1-Dichloroethene	0.0022	0.0027	0.0014	1.38	J	Chlorobenzene	ND	0.0032	0.0022	1.38	
Methylene Chloride	ND	0.0096	0.0015	1.38		Ethylbenzene	ND	0.0030	0.0020	1.38	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	0.0027	0.011	0.0024	1.38	J	p/m-Xylene	ND	0.0060	0.0042	1.38	
Carbon Disulfide	ND	0.0021	0.0011	1.38		Bromoform	ND	0.0071	0.0038	1.38	
t-1,2-Dichloroethene	ND	0.0027	0.0015	1.38		Styrene	ND	0.0059	0.0038	1.38	
1,1-Dichloroethane	ND	0.0028	0.0013	1.38		1,1,2,2-Tetrachloroethane	ND	0.0048	0.0038	1.38	
Vinyl Acetate	ND	0.0049	0.0042	1.38		o-Xylene	ND	0.0030	0.0022	1.38	
2-Butanone	ND	0.0041	0.0026	1.38		4-Ethyltoluene	ND	0.0034	0.0017	1.38	
c-1,2-Dichloroethene	ND	0.0027	0.0012	1.38		1,3,5-Trimethylbenzene	ND	0.0034	0.0023	1.38	
Chloroform	0.0069	0.0034	0.0014	1.38		1,2,4-Trimethylbenzene	ND	0.0068	0.0062	1.38	
1,2-Dichloroethane	ND	0.0028	0.0013	1.38		Benzyl Chloride	ND	0.0071	0.0046	1.38	
1,1,1-Trichloroethane	0.019	0.003	0.0018	1.38		1,3-Dichlorobenzene	ND	0.0041	0.0023	1.38	
Benzene	0.0054	0.0022	0.0015	1.38		1,4-Dichlorobenzene	ND	0.0041	0.0026	1.38	
Carbon Tetrachloride	ND	0.0043	0.0024	1.38		1,2-Dichlorobenzene	ND	0.0041	0.0027	1.38	
1,2-Dichloropropane	ND	0.0032	0.0021	1.38		1,2,4-Trichlorobenzene	ND	0.010	0.0079	1.38	
Bromodichloromethane	ND	0.0046	0.0027	1.38		Hexachloro-1,3-Butadiene	ND	0.0074	0.0054	1.38	
c-1,3-Dichloropropene	ND	0.0031	0.0015	1.38		Methyl-t-Butyl Ether (MTBE)	ND	0.010	0.0014	1.38	
t-1,3-Dichloropropene	ND	0.0063	0.0043	1.38							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 SG-09-01	04-03-0916-10	03/15/04	Air	N/A	03/23/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	4.0	3.4	1.5	1.38		1,1,2-Trichloroethane	ND	3.8	2.0	1.38	
Chloromethane	ND	1.4	0.82	1.38		Toluene	4.8	2.6	1.8	1.38	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	19	2.4	1.38		2-Hexanone	ND	5.7	4.1	1.38	
Vinyl Chloride	ND	1.8	0.87	1.38		4-Methyl-2-Pentanone	ND	5.7	4.9	1.38	
Bromomethane	ND	2.7	1.3	1.38		Dibromochloromethane	ND	5.9	3.2	1.38	
Chloroethane	ND	1.8	1.3	1.38		Trichloroethene	ND	3.7	2.1	1.38	
Trichlorofluoromethane	6.3	3.9	1.9	1.38		1,2-Dibromoethane	ND	5.3	2.9	1.38	
Acetone	9.2	3.3	1.3	1.38		Tetrachloroethene	5.6	4.7	3.0	1.38	
1,1-Dichloroethene	2.2	2.7	1.4	1.38	J	Chlorobenzene	ND	3.2	2.2	1.38	
Methylene Chloride	ND	9.6	1.5	1.38		Ethylbenzene	ND	3.0	2.0	1.38	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	2.7	11.0	2.4	1.38	J	p/m-Xylene	ND	6.0	4.2	1.38	
Carbon Disulfide	ND	2.1	1.1	1.38		Bromoform	ND	7.1	3.8	1.38	
t-1,2-Dichloroethene	ND	2.7	1.5	1.38		Styrene	ND	5.9	3.8	1.38	
1,1-Dichloroethane	ND	2.8	1.3	1.38		1,1,2,2-Tetrachloroethane	ND	4.8	3.8	1.38	
Vinyl Acetate	ND	4.9	4.2	1.38		o-Xylene	ND	3.0	2.2	1.38	
2-Butanone	ND	4.1	2.6	1.38		4-Ethyltoluene	ND	3.4	1.7	1.38	
c-1,2-Dichloroethene	ND	2.7	1.2	1.38		1,3,5-Trimethylbenzene	ND	3.4	2.3	1.38	
Chloroform	6.9	3.4	1.4	1.38		1,2,4-Trimethylbenzene	ND	6.8	6.2	1.38	
1,2-Dichloroethane	ND	2.8	1.3	1.38		Benzyl Chloride	ND	7.1	4.6	1.38	
1,1,1-Trichloroethane	19	3	1.8	1.38		1,3-Dichlorobenzene	ND	4.1	2.3	1.38	
Benzene	5.4	2.2	1.5	1.38		1,4-Dichlorobenzene	ND	4.1	2.6	1.38	
Carbon Tetrachloride	ND	4.3	2.4	1.38		1,2-Dichlorobenzene	ND	4.1	2.7	1.38	
1,2-Dichloropropane	ND	3.2	2.1	1.38		1,2,4-Trichlorobenzene	ND	10	7.9	1.38	
Bromodichloromethane	ND	4.6	2.7	1.38		Hexachloro-1,3-Butadiene	ND	7.4	5.4	1.38	
c-1,3-Dichloropropene	ND	3.1	1.5	1.38		Methyl-t-Butyl Ether (MTBE)	ND	10	1.4	1.38	
t-1,3-Dichloropropene	ND	6.3	4.3	1.38							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0916
Preparation:	N/A
Method:	EPA TO-15
Units:	ppb (v/v)

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	095-01-021-2,477	N/A	Air	N/A	03/21/04	040321L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	0.50	0.22	1		1,1,2-Trichloroethane	ND	0.50	0.27	1	
Chloromethane	ND	0.50	0.29	1		Toluene	ND	0.50	0.34	1	
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	ND	2.0	0.25	1		2-Hexanone	ND	1.0	0.73	1	
Vinyl Chloride	ND	0.50	0.25	1		4-Methyl-2-Pentanone	ND	1.0	0.87	1	
Bromomethane	ND	0.50	0.25	1		Dibromochloromethane	ND	0.50	0.27	1	
Chloroethane	ND	0.50	0.34	1		Trichloroethene	ND	0.50	0.28	1	
Trichlorofluoromethane	ND	0.50	0.25	1		1,2-Dibromoethane	ND	0.50	0.27	1	
Acetone	ND	1.0	0.41	1		Tetrachloroethene	ND	0.50	0.32	1	
1,1-Dichloroethene	ND	0.50	0.25	1		Chlorobenzene	ND	0.50	0.35	1	
Methylene Chloride	ND	2.0	0.31	1		Ethylbenzene	ND	0.50	0.34	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.0	0.23	1		p/m-Xylene	ND	1.0	0.69	1	
Carbon Disulfide	ND	0.50	0.26	1		Bromoform	ND	0.50	0.27	1	
t-1,2-Dichloroethene	ND	0.50	0.27	1		Styrene	ND	1.0	0.64	1	
1,1-Dichloroethane	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	0.50	0.39	1	
Vinyl Acetate	ND	1.0	0.87	1		o-Xylene	ND	0.50	0.37	1	
2-Butanone	ND	1.0	0.63	1		4-Ethyltoluene	ND	0.50	0.25	1	
c-1,2-Dichloroethene	ND	0.50	0.22	1		1,3,5-Trimethylbenzene	ND	0.50	0.34	1	
Chloroform	ND	0.50	0.21	1		1,2,4-Trimethylbenzene	ND	1.0	0.92	1	
1,2-Dichloroethane	ND	0.50	0.22	1		Benzyl Chloride	ND	1.0	0.64	1	
1,1,1-Trichloroethane	ND	0.50	0.24	1		1,3-Dichlorobenzene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.34	1		1,4-Dichlorobenzene	ND	0.50	0.31	1	
Carbon Tetrachloride	ND	0.50	0.28	1		1,2-Dichlorobenzene	ND	0.50	0.32	1	
1,2-Dichloropropane	ND	0.50	0.33	1		1,2,4-Trichlorobenzene	ND	1.0	0.77	1	
Bromodichloromethane	ND	0.50	0.29	1		Hexachloro-1,3-Butadiene	ND	0.50	0.37	1	
c-1,3-Dichloropropene	ND	0.50	0.23	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.27	1	
t-1,3-Dichloropropene	ND	1.0	0.68	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	095-01-021-2,477	N/A	Air	N/A	03/21/04	040321L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	0.0025	0.0011	1		1,1,2-Trichloroethane	ND	0.0027	0.0015	1	
Chloromethane	ND	0.0010	0.0005	1		Toluene	ND	0.0019	0.0013	1	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	0.014	0.0017	1		2-Hexanone	ND	0.0041	0.0030	1	
Vinyl Chloride	ND	0.0013	0.0006	1		4-Methyl-2-Pentanone	ND	0.0041	0.0036	1	
Bromomethane	ND	0.0019	0.0009	1		Dibromochloromethane	ND	0.0043	0.0023	1	
Chloroethane	ND	0.0013	0.0009	1		Trichloroethene	ND	0.0027	0.0015	1	
Trichlorofluoromethane	ND	0.0028	0.0014	1		1,2-Dibromoethane	ND	0.0038	0.0021	1	
Acetone	ND	0.0024	0.0009	1		Tetrachloroethene	ND	0.0034	0.0022	1	
1,1-Dichloroethene	ND	0.0020	0.0010	1		Chlorobenzene	ND	0.0023	0.0016	1	
Methylene Chloride	ND	0.0069	0.0011	1		Ethylbenzene	ND	0.0022	0.0015	1	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	0.0077	0.0017	1		p/m-Xylene	ND	0.0043	0.0030	1	
Carbon Disulfide	ND	0.0016	0.0008	1		Bromoform	ND	0.0052	0.0028	1	
t-1,2-Dichloroethene	ND	0.0020	0.0011	1		Styrene	ND	0.0043	0.0027	1	
1,1-Dichloroethane	ND	0.0020	0.0009	1		1,1,2,2-Tetrachloroethane	ND	0.0035	0.0027	1	
Vinyl Acetate	ND	0.0035	0.0030	1		o-Xylene	ND	0.0022	0.0016	1	
2-Butanone	ND	0.0029	0.0019	1		4-Ethyltoluene	ND	0.0025	0.0012	1	
c-1,2-Dichloroethene	ND	0.0020	0.0008	1		1,3,5-Trimethylbenzene	ND	0.0025	0.0017	1	
Chloroform	ND	0.0024	0.0010	1		1,2,4-Trimethylbenzene	ND	0.0049	0.0045	1	
1,2-Dichloroethane	ND	0.0020	0.0009	1		Benzyl Chloride	ND	0.0052	0.0033	1	
1,1,1-Trichloroethane	ND	0.0027	0.0013	1		1,3-Dichlorobenzene	ND	0.0030	0.0017	1	
Benzene	ND	0.0016	0.0011	1		1,4-Dichlorobenzene	ND	0.0030	0.0019	1	
Carbon Tetrachloride	ND	0.0031	0.0017	1		1,2-Dichlorobenzene	ND	0.0030	0.0019	1	
1,2-Dichloropropane	ND	0.0023	0.0015	1		1,2,4-Trichlorobenzene	ND	0.0074	0.0057	1	
Bromodichloromethane	ND	0.0034	0.0019	1		Hexachloro-1,3-Butadiene	ND	0.0053	0.0039	1	
c-1,3-Dichloropropene	ND	0.0023	0.0011	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	0.0009	1	
t-1,3-Dichloropropene	ND	0.0045	0.0031	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	095-01-021-2,477	N/A	Air	N/A	03/21/04	040321L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	2.5	1.1	1		1,1,2-Trichloroethane	ND	2.7	1.5	1	
Chloromethane	ND	1.0	0.59	1		Toluene	ND	1.9	1.3	1	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	14	1.7	1		2-Hexanone	ND	4.1	3.0	1	
Vinyl Chloride	ND	1.3	0.63	1		4-Methyl-2-Pentanone	ND	4.1	3.6	1	
Bromomethane	ND	1.9	0.95	1		Dibromochloromethane	ND	4.3	2.3	1	
Chloroethane	ND	1.3	0.91	1		Trichloroethene	ND	2.7	1.5	1	
Trichlorofluoromethane	ND	2.8	1.4	1		1,2-Dibromoethane	ND	3.8	2.1	1	
Acetone	ND	2.4	0.97	1		Tetrachloroethene	ND	3.4	2.2	1	
1,1-Dichloroethene	ND	2.0	1.0	1		Chlorobenzene	ND	2.3	1.6	1	
Methylene Chloride	ND	6.9	1.1	1		Ethylbenzene	ND	2.2	1.5	1	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	7.7	1.7	1		p/m-Xylene	ND	4.3	3.0	1	
Carbon Disulfide	ND	1.6	0.82	1		Bromoform	ND	5.2	2.8	1	
t-1,2-Dichloroethene	ND	2.0	1.1	1		Styrene	ND	4.3	2.7	1	
1,1-Dichloroethane	ND	2.0	0.92	1		1,1,2,2-Tetrachloroethane	ND	3.5	2.7	1	
Vinyl Acetate	ND	3.5	3.0	1		o-Xylene	ND	2.2	1.6	1	
2-Butanone	ND	2.9	1.9	1		4-Ethyltoluene	ND	2.5	1.2	1	
c-1,2-Dichloroethene	ND	2.0	0.89	1		1,3,5-Trimethylbenzene	ND	2.5	1.7	1	
Chloroform	ND	2.4	1.0	1		1,2,4-Trimethylbenzene	ND	4.9	4.5	1	
1,2-Dichloroethane	ND	2.0	0.91	1		Benzyl Chloride	ND	5.2	3.3	1	
1,1,1-Trichloroethane	ND	2.7	1.3	1		1,3-Dichlorobenzene	ND	3.0	1.7	1	
Benzene	ND	1.6	1.1	1		1,4-Dichlorobenzene	ND	3.0	1.9	1	
Carbon Tetrachloride	ND	3.1	1.7	1		1,2-Dichlorobenzene	ND	3.0	1.9	1	
1,2-Dichloropropane	ND	2.3	1.5	1		1,2,4-Trichlorobenzene	ND	7.4	5.7	1	
Bromodichloromethane	ND	3.4	1.9	1		Hexachloro-1,3-Butadiene	ND	5.3	3.9	1	
c-1,3-Dichloropropene	ND	2.3	1.1	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	0.98	1	
t-1,3-Dichloropropene	ND	4.5	3.1	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH ilac

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0916
Preparation:	N/A
Method:	EPA TO-15
Units:	ppb (v/v)

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	095-01-021-2,483	N/A	Air	N/A	03/23/04	040323L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	0.50	0.22	1		1,1,2-Trichloroethane	ND	0.50	0.27	1	
Chloromethane	ND	0.50	0.29	1		Toluene	ND	0.50	0.34	1	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	2.0	0.25	1		2-Hexanone	ND	1.0	0.73	1	
Vinyl Chloride	ND	0.50	0.25	1		4-Methyl-2-Pentanone	ND	1.0	0.87	1	
Bromomethane	ND	0.50	0.25	1		Dibromochloromethane	ND	0.50	0.27	1	
Chloroethane	ND	0.50	0.34	1		Trichloroethene	ND	0.50	0.28	1	
Trichlorofluoromethane	ND	0.50	0.25	1		1,2-Dibromoethane	ND	0.50	0.27	1	
Acetone	ND	1.0	0.41	1		Tetrachloroethene	ND	0.50	0.32	1	
1,1-Dichloroethene	ND	0.50	0.25	1		Chlorobenzene	ND	0.50	0.35	1	
Methylene Chloride	ND	2.0	0.31	1		Ethylbenzene	ND	0.50	0.34	1	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	1.0	0.23	1		p/m-Xylene	ND	1.0	0.69	1	
Carbon Disulfide	ND	0.50	0.26	1		Bromoform	ND	0.50	0.27	1	
t-1,2-Dichloroethene	ND	0.50	0.27	1		Styrene	ND	1.0	0.64	1	
1,1-Dichloroethane	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	0.50	0.39	1	
Vinyl Acetate	ND	1.0	0.87	1		o-Xylene	ND	0.50	0.37	1	
2-Butanone	ND	1.0	0.63	1		4-Ethyltoluene	ND	0.50	0.25	1	
c-1,2-Dichloroethene	ND	0.50	0.22	1		1,3,5-Trimethylbenzene	ND	0.50	0.34	1	
Chloroform	ND	0.50	0.21	1		1,2,4-Trimethylbenzene	ND	1.0	0.92	1	
1,2-Dichloroethane	ND	0.50	0.22	1		Benzyl Chloride	ND	1.0	0.64	1	
1,1,1-Trichloroethane	ND	0.50	0.24	1		1,3-Dichlorobenzene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.34	1		1,4-Dichlorobenzene	ND	0.50	0.31	1	
Carbon Tetrachloride	ND	0.50	0.28	1		1,2-Dichlorobenzene	ND	0.50	0.32	1	
1,2-Dichloropropane	ND	0.50	0.33	1		1,2,4-Trichlorobenzene	ND	1.0	0.77	1	
Bromodichloromethane	ND	0.50	0.29	1		Hexachloro-1,3-Butadiene	ND	0.50	0.37	1	
c-1,3-Dichloropropene	ND	0.50	0.23	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.27	1	
t-1,3-Dichloropropene	ND	1.0	0.68	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	095-01-021-2,483	N/A	Air	N/A	03/23/04	040323L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	0.0025	0.0011	1		1,1,2-Trichloroethane	ND	0.0027	0.0015	1	
Chloromethane	ND	0.0010	0.0005	1		Toluene	ND	0.0019	0.0013	1	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	0.014	0.0017	1		2-Hexanone	ND	0.0041	0.0030	1	
Vinyl Chloride	ND	0.0013	0.0006	1		4-Methyl-2-Pentanone	ND	0.0041	0.0036	1	
Bromomethane	ND	0.0019	0.0009	1		Dibromochloromethane	ND	0.0043	0.0023	1	
Chloroethane	ND	0.0013	0.0009	1		Trichloroethene	ND	0.0027	0.0015	1	
Trichlorofluoromethane	ND	0.0028	0.0014	1		1,2-Dibromoethane	ND	0.0038	0.0021	1	
Acetone	ND	0.0024	0.0009	1		Tetrachloroethene	ND	0.0034	0.0022	1	
1,1-Dichloroethene	ND	0.0020	0.0010	1		Chlorobenzene	ND	0.0023	0.0016	1	
Methylene Chloride	ND	0.0069	0.0011	1		Ethylbenzene	ND	0.0022	0.0015	1	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	0.0077	0.0017	1		p/m-Xylene	ND	0.0043	0.0030	1	
Carbon Disulfide	ND	0.0016	0.0008	1		Bromoform	ND	0.0052	0.0028	1	
t-1,2-Dichloroethene	ND	0.0020	0.0011	1		Styrene	ND	0.0043	0.0027	1	
1,1-Dichloroethane	ND	0.0020	0.0009	1		1,1,2,2-Tetrachloroethane	ND	0.0035	0.0027	1	
Vinyl Acetate	ND	0.0035	0.0030	1		o-Xylene	ND	0.0022	0.0016	1	
2-Butanone	ND	0.0029	0.0019	1		4-Ethyltoluene	ND	0.0025	0.0012	1	
c-1,2-Dichloroethene	ND	0.0020	0.0008	1		1,3,5-Trimethylbenzene	ND	0.0025	0.0017	1	
Chloroform	ND	0.0024	0.0010	1		1,2,4-Trimethylbenzene	ND	0.0049	0.0045	1	
1,2-Dichloroethane	ND	0.0020	0.0009	1		Benzyl Chloride	ND	0.0052	0.0033	1	
1,1,1-Trichloroethane	ND	0.0027	0.0013	1		1,3-Dichlorobenzene	ND	0.0030	0.0017	1	
Benzene	ND	0.0016	0.0011	1		1,4-Dichlorobenzene	ND	0.0030	0.0019	1	
Carbon Tetrachloride	ND	0.0031	0.0017	1		1,2-Dichlorobenzene	ND	0.0030	0.0019	1	
1,2-Dichloropropane	ND	0.0023	0.0015	1		1,2,4-Trichlorobenzene	ND	0.0074	0.0057	1	
Bromodichloromethane	ND	0.0034	0.0019	1		Hexachloro-1,3-Butadiene	ND	0.0053	0.0039	1	
c-1,3-Dichloropropene	ND	0.0023	0.0011	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	0.0009	1	
t-1,3-Dichloropropene	ND	0.0045	0.0031	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH ilac

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	095-01-021-2,483	N/A	Air	N/A	03/23/04	040323L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	2.5	1.1	1		1,1,2-Trichloroethane	ND	2.7	1.5	1	
Chloromethane	ND	1.0	0.59	1		Toluene	ND	1.9	1.3	1	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	14	1.7	1		2-Hexanone	ND	4.1	3.0	1	
Vinyl Chloride	ND	1.3	0.63	1		4-Methyl-2-Pentanone	ND	4.1	3.6	1	
Bromomethane	ND	1.9	0.95	1		Dibromochloromethane	ND	4.3	2.3	1	
Chloroethane	ND	1.3	0.91	1		Trichloroethene	ND	2.7	1.5	1	
Trichlorofluoromethane	ND	2.8	1.4	1		1,2-Dibromoethane	ND	3.8	2.1	1	
Acetone	ND	2.4	0.97	1		Tetrachloroethene	ND	3.4	2.2	1	
1,1-Dichloroethene	ND	2.0	1.0	1		Chlorobenzene	ND	2.3	1.6	1	
Methylene Chloride	ND	6.9	1.1	1		Ethylbenzene	ND	2.2	1.5	1	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	7.7	1.7	1		p/m-Xylene	ND	4.3	3.0	1	
Carbon Disulfide	ND	1.6	0.82	1		Bromoform	ND	5.2	2.8	1	
t-1,2-Dichloroethene	ND	2.0	1.1	1		Styrene	ND	4.3	2.7	1	
1,1-Dichloroethane	ND	2.0	0.92	1		1,1,2,2-Tetrachloroethane	ND	3.5	2.7	1	
Vinyl Acetate	ND	3.5	3.0	1		o-Xylene	ND	2.2	1.6	1	
2-Butanone	ND	2.9	1.9	1		4-Ethyltoluene	ND	2.5	1.2	1	
c-1,2-Dichloroethene	ND	2.0	0.89	1		1,3,5-Trimethylbenzene	ND	2.5	1.7	1	
Chloroform	ND	2.4	1.0	1		1,2,4-Trimethylbenzene	ND	4.9	4.5	1	
1,2-Dichloroethane	ND	2.0	0.91	1		Benzyl Chloride	ND	5.2	3.3	1	
1,1,1-Trichloroethane	ND	2.7	1.3	1		1,3-Dichlorobenzene	ND	3.0	1.7	1	
Benzene	ND	1.6	1.1	1		1,4-Dichlorobenzene	ND	3.0	1.9	1	
Carbon Tetrachloride	ND	3.1	1.7	1		1,2-Dichlorobenzene	ND	3.0	1.9	1	
1,2-Dichloropropane	ND	2.3	1.5	1		1,2,4-Trichlorobenzene	ND	7.4	5.7	1	
Bromodichloromethane	ND	3.4	1.9	1		Hexachloro-1,3-Butadiene	ND	5.3	3.9	1	
c-1,3-Dichloropropene	ND	2.3	1.1	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	0.98	1	
t-1,3-Dichloropropene	ND	4.5	3.1	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH ilac

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0916
Preparation:	N/A
Method:	EPA TO-15
Units:	ppb (v/v)

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	095-01-021-2,484	N/A	Air	N/A	03/22/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	0.50	0.22	1		1,1,2-Trichloroethane	ND	0.50	0.27	1	
Chloromethane	ND	0.50	0.29	1		Toluene	ND	0.50	0.34	1	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	2.0	0.25	1		2-Hexanone	ND	1.0	0.73	1	
Vinyl Chloride	ND	0.50	0.25	1		4-Methyl-2-Pentanone	ND	1.0	0.87	1	
Bromomethane	ND	0.50	0.25	1		Dibromochloromethane	ND	0.50	0.27	1	
Chloroethane	ND	0.50	0.34	1		Trichloroethene	ND	0.50	0.28	1	
Trichlorofluoromethane	ND	0.50	0.25	1		1,2-Dibromoethane	ND	0.50	0.27	1	
Acetone	ND	1.0	0.41	1		Tetrachloroethene	ND	0.50	0.32	1	
1,1-Dichloroethene	ND	0.50	0.25	1		Chlorobenzene	ND	0.50	0.35	1	
Methylene Chloride	ND	2.0	0.31	1		Ethylbenzene	ND	0.50	0.34	1	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	1.0	0.23	1		p/m-Xylene	ND	1.0	0.69	1	
Carbon Disulfide	ND	0.50	0.26	1		Bromoform	ND	0.50	0.27	1	
t-1,2-Dichloroethene	ND	0.50	0.27	1		Styrene	ND	1.0	0.64	1	
1,1-Dichloroethane	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	0.50	0.39	1	
Vinyl Acetate	ND	1.0	0.87	1		o-Xylene	ND	0.50	0.37	1	
2-Butanone	ND	1.0	0.63	1		4-Ethyltoluene	ND	0.50	0.25	1	
c-1,2-Dichloroethene	ND	0.50	0.22	1		1,3,5-Trimethylbenzene	ND	0.50	0.34	1	
Chloroform	ND	0.50	0.21	1		1,2,4-Trimethylbenzene	ND	1.0	0.92	1	
1,2-Dichloroethane	ND	0.50	0.22	1		Benzyl Chloride	ND	1.0	0.64	1	
1,1,1-Trichloroethane	ND	0.50	0.24	1		1,3-Dichlorobenzene	ND	0.50	0.28	1	
Benzene	ND	0.50	0.34	1		1,4-Dichlorobenzene	ND	0.50	0.31	1	
Carbon Tetrachloride	ND	0.50	0.28	1		1,2-Dichlorobenzene	ND	0.50	0.32	1	
1,2-Dichloropropane	ND	0.50	0.33	1		1,2,4-Trichlorobenzene	ND	1.0	0.77	1	
Bromodichloromethane	ND	0.50	0.29	1		Hexachloro-1,3-Butadiene	ND	0.50	0.37	1	
c-1,3-Dichloropropene	ND	0.50	0.23	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.27	1	
t-1,3-Dichloropropene	ND	1.0	0.68	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH

CH2M Hill		Date Received:	03/15/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0916
Santa Ana, CA 92707-8794		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/L

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	095-01-021-2,484	N/A	Air	N/A	03/22/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	0.0025	0.0011	1		1,1,2-Trichloroethane	ND	0.0027	0.0015	1	
Chloromethane	ND	0.0010	0.0005	1		Toluene	ND	0.0019	0.0013	1	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	0.014	0.0017	1		2-Hexanone	ND	0.0041	0.0030	1	
Vinyl Chloride	ND	0.0013	0.0006	1		4-Methyl-2-Pentanone	ND	0.0041	0.0036	1	
Bromomethane	ND	0.0019	0.0009	1		Dibromochloromethane	ND	0.0043	0.0023	1	
Chloroethane	ND	0.0013	0.0009	1		Trichloroethene	ND	0.0027	0.0015	1	
Trichlorofluoromethane	ND	0.0028	0.0014	1		1,2-Dibromoethane	ND	0.0038	0.0021	1	
Acetone	ND	0.0024	0.0009	1		Tetrachloroethene	ND	0.0034	0.0022	1	
1,1-Dichloroethene	ND	0.0020	0.0010	1		Chlorobenzene	ND	0.0023	0.0016	1	
Methylene Chloride	ND	0.0069	0.0011	1		Ethylbenzene	ND	0.0022	0.0015	1	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	0.0077	0.0017	1		p/m-Xylene	ND	0.0043	0.0030	1	
Carbon Disulfide	ND	0.0016	0.0008	1		Bromoform	ND	0.0052	0.0028	1	
t-1,2-Dichloroethene	ND	0.0020	0.0011	1		Styrene	ND	0.0043	0.0027	1	
1,1-Dichloroethane	ND	0.0020	0.0009	1		1,1,2,2-Tetrachloroethane	ND	0.0035	0.0027	1	
Vinyl Acetate	ND	0.0035	0.0030	1		o-Xylene	ND	0.0022	0.0016	1	
2-Butanone	ND	0.0029	0.0019	1		4-Ethyltoluene	ND	0.0025	0.0012	1	
c-1,2-Dichloroethene	ND	0.0020	0.0008	1		1,3,5-Trimethylbenzene	ND	0.0025	0.0017	1	
Chloroform	ND	0.0024	0.0010	1		1,2,4-Trimethylbenzene	ND	0.0049	0.0045	1	
1,2-Dichloroethane	ND	0.0020	0.0009	1		Benzyl Chloride	ND	0.0052	0.0033	1	
1,1,1-Trichloroethane	ND	0.0027	0.0013	1		1,3-Dichlorobenzene	ND	0.0030	0.0017	1	
Benzene	ND	0.0016	0.0011	1		1,4-Dichlorobenzene	ND	0.0030	0.0019	1	
Carbon Tetrachloride	ND	0.0031	0.0017	1		1,2-Dichlorobenzene	ND	0.0030	0.0019	1	
1,2-Dichloropropane	ND	0.0023	0.0015	1		1,2,4-Trichlorobenzene	ND	0.0074	0.0057	1	
Bromodichloromethane	ND	0.0034	0.0019	1		Hexachloro-1,3-Butadiene	ND	0.0053	0.0039	1	
c-1,3-Dichloropropene	ND	0.0023	0.0011	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	0.0009	1	
t-1,3-Dichloropropene	ND	0.0045	0.0031	1							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/15/04
Work Order No:	04-03-0916
Preparation:	N/A
Method:	EPA TO-15
Units:	ug/m3

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	095-01-021-2,484	N/A	Air	N/A	03/22/04	040322L01

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Dichlorodifluoromethane	ND	2.5	1.1	1		1,1,2-Trichloroethane	ND	2.7	1.5	1	
Chloromethane	ND	1.0	0.59	1		Toluene	ND	1.9	1.3	1	
1,2-Dichloro-1,1,2,2-Tetrafluoro ethane	ND	14	1.7	1		2-Hexanone	ND	4.1	3.0	1	
Vinyl Chloride	ND	1.3	0.63	1		4-Methyl-2-Pentanone	ND	4.1	3.6	1	
Bromomethane	ND	1.9	0.95	1		Dibromochloromethane	ND	4.3	2.3	1	
Chloroethane	ND	1.3	0.91	1		Trichloroethene	ND	2.7	1.5	1	
Trichlorofluoromethane	ND	2.8	1.4	1		1,2-Dibromoethane	ND	3.8	2.1	1	
Acetone	ND	2.4	0.97	1		Tetrachloroethene	ND	3.4	2.2	1	
1,1-Dichloroethene	ND	2.0	1.0	1		Chlorobenzene	ND	2.3	1.6	1	
Methylene Chloride	ND	6.9	1.1	1		Ethylbenzene	ND	2.2	1.5	1	
1,1,2-Trichloro-1,2,2-Trifluoroeth ane	ND	7.7	1.7	1		p/m-Xylene	ND	4.3	3.0	1	
Carbon Disulfide	ND	1.6	0.82	1		Bromoform	ND	5.2	2.8	1	
t-1,2-Dichloroethene	ND	2.0	1.1	1		Styrene	ND	4.3	2.7	1	
1,1-Dichloroethane	ND	2.0	0.92	1		1,1,2,2-Tetrachloroethane	ND	3.5	2.7	1	
Vinyl Acetate	ND	3.5	3.0	1		o-Xylene	ND	2.2	1.6	1	
2-Butanone	ND	2.9	1.9	1		4-Ethyltoluene	ND	2.5	1.2	1	
c-1,2-Dichloroethene	ND	2.0	0.89	1		1,3,5-Trimethylbenzene	ND	2.5	1.7	1	
Chloroform	ND	2.4	1.0	1		1,2,4-Trimethylbenzene	ND	4.9	4.5	1	
1,2-Dichloroethane	ND	2.0	0.91	1		Benzyl Chloride	ND	5.2	3.3	1	
1,1,1-Trichloroethane	ND	2.7	1.3	1		1,3-Dichlorobenzene	ND	3.0	1.7	1	
Benzene	ND	1.6	1.1	1		1,4-Dichlorobenzene	ND	3.0	1.9	1	
Carbon Tetrachloride	ND	3.1	1.7	1		1,2-Dichlorobenzene	ND	3.0	1.9	1	
1,2-Dichloropropane	ND	2.3	1.5	1		1,2,4-Trichlorobenzene	ND	7.4	5.7	1	
Bromodichloromethane	ND	3.4	1.9	1		Hexachloro-1,3-Butadiene	ND	5.3	3.9	1	
c-1,3-Dichloropropene	ND	2.3	1.1	1		Methyl-t-Butyl Ether (MTBE)	ND	7.2	0.98	1	
t-1,3-Dichloropropene	ND	4.5	3.1	1							

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

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0916
Preparation:	N/A
Method:	EPA TO-15

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-2,478	Air	GC/MS V	N/A	03/21/04	040319L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Vinyl Chloride	102	91	58-124	12	0-37	
1,2-Dichloroethane	107	97	63-123	10	0-37	
Benzene	109	90	61-121	18	0-37	
Carbon Tetrachloride	111	96	56-128	14	0-42	
1,2-Dichloropropane	113	104	61-121	9	0-37	
c-1,3-Dichloropropene	110	105	62-128	4	0-37	
1,1,2-Trichloroethane	115	103	64-124	11	0-37	
Toluene	85	97	60-120	14	0-39	
Trichloroethene	99	102	65-119	3	0-38	
1,2-Dibromoethane	101	103	63-123	2	0-38	
Tetrachloroethene	96	99	59-119	3	0-40	
Ethylbenzene	98	97	61-127	1	0-38	
p/m-Xylene	97	94	57-129	2	0-39	
Bromoform	114	117	62-134	2	0-38	
o-Xylene	101	103	58-130	1	0-38	
1,4-Dichlorobenzene	129	114	51-147	12	0-49	
1,2-Dichlorobenzene	111	101	41-149	9	0-62	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0916
Preparation:	N/A
Method:	EPA TO-15

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-2,484	Air	GC/MS V	N/A	03/22/04	040322L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Vinyl Chloride	106	95	58-124	11	0-37	
1,2-Dichloroethane	109	111	63-123	3	0-37	
Benzene	105	106	61-121	0	0-37	
Carbon Tetrachloride	109	111	56-128	2	0-42	
1,2-Dichloropropane	109	114	61-121	4	0-37	
c-1,3-Dichloropropene	109	114	62-128	4	0-37	
1,1,2-Trichloroethane	109	105	64-124	4	0-37	
Toluene	101	108	60-120	6	0-39	
Trichloroethene	108	112	65-119	3	0-38	
1,2-Dibromoethane	105	113	63-123	7	0-38	
Tetrachloroethene	103	101	59-119	2	0-40	
Ethylbenzene	102	104	61-127	2	0-38	
p/m-Xylene	104	103	57-129	2	0-39	
Bromoform	119	129	62-134	8	0-38	
o-Xylene	106	115	58-130	9	0-38	
1,4-Dichlorobenzene	139	136	51-147	3	0-49	
1,2-Dichlorobenzene	126	121	41-149	4	0-62	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0916
Preparation:	N/A
Method:	EPA TO-15

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-2,483	Air	GC/MS V	N/A	03/23/04	040323L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Vinyl Chloride	102	95	58-124	8	0-37	
1,2-Dichloroethane	95	93	63-123	2	0-37	
Benzene	96	93	61-121	3	0-37	
Carbon Tetrachloride	114	108	56-128	6	0-42	
1,2-Dichloropropane	114	102	61-121	12	0-37	
c-1,3-Dichloropropene	111	100	62-128	10	0-37	
1,1,2-Trichloroethane	117	94	64-124	22	0-37	
Toluene	104	93	60-120	11	0-39	
Trichloroethene	110	100	65-119	10	0-38	
1,2-Dibromoethane	108	99	63-123	9	0-38	
Tetrachloroethene	117	90	59-119	26	0-40	
Ethylbenzene	109	95	61-127	14	0-38	
p/m-Xylene	118	101	57-129	16	0-39	
Bromoform	124	107	62-134	15	0-38	
o-Xylene	105	96	58-130	9	0-38	
1,4-Dichlorobenzene	105	87	51-147	19	0-49	
1,2-Dichlorobenzene	91	92	41-149	1	0-62	

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 04-03-0916

Qualifier	Definition
ND	Not detected at indicated reporting limit.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
Sample Summary Report

WORK ORDER #: 04-03-0916 **QAPP:** 0000

#	Client Sample ID	Matrix	Date Collected	NoC	Comment
1	EPTC-3-4-SG-01-01	A	03/15/2004	1	
2	EPTC-3-4-SG-01-03	A	03/15/2004	1	
3	EPTC-3-4-SG-02-01	A	03/15/2004	1	
4	EPTC-3-4-SG-03-01	A	03/15/2004	1	
5	EPTC-3-4-SG-04-01	A	03/15/2004	1	
6	EPTC-3-4-SG-05-01	A	03/15/2004	1	
7	EPTC-3-4-SG-10-01	A	03/15/2004	1	
8	EPTC-3-4-SG-06-01	A	03/15/2004	1	
9	EPTC-3-4-SG-07-01	A	03/15/2004	1	
10	EPTC-3-4-SG-09-01	A	03/15/2004	1	

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

DATE:

PAGE: 1 OF 1

LABORATORY CLIENT: CH2M HILL

ADDRESS: 3 Hutton Center Drive, Suite 200

CITY: Santa Ana

TEL: 714-435-6181 | FAX: 714-424-2281 | E-MAIL: pbora@ch2m.com

CLIENT PROJECT NAME / NUMBER: Alamitos EPTC Parcel 3-4/182222.EP.02

PROJECT CONTACT: Partha Bora

SAMPLER(S): (SIGNATURE) R. Abraham, K. Waite

P.O. NO.: 900725

QUOTE NO.:

LAB USE ONLY: 03-09116

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)

☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

Must meet requiremets for EDD provided in the SOW. EDD and hardcopy data should be provided within 10 days of sample receipt.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	VOCs (gas) EPA TO-15	H2S (gas) EPA Method 16	Methane (gas) ASTM 25-1M
1	EPTC3-4-SG-01-01	Summa	3/15/04	10:20	AIR		X		
2	EPTC 3-4-SG-01-03			10:50			X		
3	EPTC3-4-SG-02-01			11:18			X		
4	EPTC3-4 SG-03-01			12:30			X		
5	EPTC 3-4 SG-04-01			12:35			X		
6	EPTC3-4 SG-05-01			12:45			X		
7	EPTC3-4 SG-06-01			12:50			X		
8	EPTC3-4 SG-06-01			13:20			X		
9	EPTC3-4 SG-07-01			13:35			X		
10	EPTC 3-4 SG-09-01			14:04			X		

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Kimberly A. Waite March 15, 2004	[signature]	3-15-04	1622
[signature]	[signature]	3-15-04	1718

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 04 - 03 - 0916

Cooler 0 of 0

SAMPLE RECEIPT FORM

CLIENT: CH2M Hill

DATE: 3-15-04

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

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

Initial: WB

CUSTODY SEAL INTACT:

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

Initial: WB

SAMPLE CONDITION:

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

Initial: WB

COMMENTS:

Calscience Environmental Laboratories, Inc.

August 17, 2004

Partha Bora
CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Subject: **Calscience Work Order No.: 04-03-0915**
Client Reference: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/15/2004 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Paul Mead

Calscience Environmental
Laboratories, Inc.
Paul Mead
Project Manager

RESULTS

Calscience Environmental Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

CH2MHill
3 Hutton Centre Drive, Suite 200
Santa Ana , CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Sampled: 03/15/04
Date Received: 03/15/04
Work Order No.: 04-03-0915
Method: EPA 16
Hydrogen Sulfide (H_2S)

Sample ID	Laboratory ID	Result	RL (ppm v/v)	MDL	Qual	DF	Result	RL ($\mu g/m^3$)	MDL	Date Analyzed
EPTC-3-4-SG-01-01	04-03-0915-1	ND	1	0.157		1	ND	1418	223	03/19/04
EPTC-3-4-SG-01-03	04-03-0915-2	ND	1	0.157		1	ND	1418	223	03/19/04
EPTC-3-4-SG-02-01	04-03-0915-3	ND	1	0.157		1	ND	1418	223	03/17/04
EPTC-3-4-SG-03-01	04-03-0915-4	ND	1	0.157		1	ND	1418	223	03/19/04
EPTC-3-4-SG-04-01	04-03-0915-5	ND	1	0.157		1	ND	1418	223	03/17/04
EPTC-3-4-SG-05-01	04-03-0915-6	ND	1	0.157		1	ND	1418	223	03/19/04
EPTC-3-4-SG-10-01	04-03-0915-7	ND	1	0.157		1	ND	1418	223	03/19/04
EPTC-3-4-SG-06-01	04-03-0915-8	ND	1	0.157		1	ND	1418	223	03/17/04
EPTC-3-4-SG-07-01	04-03-0915-9	ND	1	0.157		1	ND	1418	223	03/17/04
EPTC-3-4-SG-09-01	04-03-0915-10	ND	1	0.157		1	ND	1418	223	03/17/04
Method Blank	MB040317L01	ND	1	0.157		1	ND	1418	223	03/19/04
Method Blank	MB040319L01	ND	1	0.157		1	ND	1418	223	03/17/04

Notes: Molecular weight of Hydrogen Sulfide (H2S) = 34.08 g/mole, RL = Reporting Limit, ND = None Detected at the specified Reporting limit.
Results are reported at 1 ATM and 20 degrees C. Molar volume = 24.04

RESULTS

Calscience Environmental Laboratories, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

CH2MHill
3 Hutton Centre Drive, Suite 200
Santa Ana , CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Sampled: 03/15/04
Date Received: 03/15/04
Work Order No.: 04-03-0915
Method: SCAQMD Method 25.1
Methane

Sample ID	Laboratory ID	Result	RL (ppm v/v)	MDL	Qual	DF	Result	RL (µg/m³)	MDL	Date Analyzed
EPTC-3-4-SG-01-01	04-03-0915-1	2	1	0.316		1	1,334	667	211	03/16/04
EPTC-3-4-SG-01-03	04-03-0915-2	1	1	0.316		1	667	667	211	03/16/04
EPTC-3-4-SG-02-01	04-03-0915-3	4	1	0.316		1	2,669	667	211	03/16/04
EPTC-3-4-SG-03-01	04-03-0915-4	ND	1	0.316		1	ND	667	211	03/16/04
EPTC-3-4-SG-04-01	04-03-0915-5	2	1	0.316		1	1,334	667	211	03/16/04
EPTC-3-4-SG-05-01	04-03-0915-6	1	1	0.316	J	1	467	667	211	03/16/04
EPTC-3-4-SG-10-01	04-03-0915-7	1	1	0.316		1	667	667	211	03/16/04
EPTC-3-4-SG-06-01	04-03-0915-8	1	1	0.316	J	1	400	667	211	03/17/04
EPTC-3-4-SG-07-01	04-03-0915-9	3	1	0.316		1	2,002	667	211	03/16/04
EPTC-3-4-SG-09-01	04-03-0915-10	ND	1	0.316		1	ND	667	211	03/16/04
Method Blank	MB040316L01	ND	1	0.316		1	ND	667	211	03/16/04
Method Blank	MB040317L01	ND	1	0.316		1	ND	667	211	03/17/04

Notes: Molecular weight of Methane = 16.04 g/mole, RL = Reporting Limit, ND = None Detected at the specified Reporting limit.
Results are reported at 1 ATM and 20 degrees C. Molar volume = 24.04

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 04-03-0915

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
D	The analyte concentration was reported from analysis of the diluted sample.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Calscience
Environmental
Laboratories, Inc.

Supplemental Report 1

August 18, 2004

Partha Bora
CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Subject: **Calscience Work Order No.: 04-03-0916**
Client Reference: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/15/2004 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Paul Mead

Calscience Environmental
Laboratories, Inc.
Paul Mead
Project Manager

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

ACCREDITED IN ACCORDANCE WITH nelac

CH2MHill
3 Hutton Centre Drive, Suite 200
Santa Ana , CA 92707-8794

Date Sampled: 03/15/04
Date Received: 03/15/04
Work Order No.: 04-03-0916
Method: EPA TO-15

Volatile Organics in Air
Isopropyl Alcohol (IPA)

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Sample ID	Laboratory ID	Result (ppb v/v)	RL	Qual	DF	Result ($\mu g/m^3$)	RL	Date Analyzed	QC Batch
EPTC 3-4-SG-01-01	04-03-0916-1	1.15	3.24	J	1.62	2.88	8.10	03/21/01	040321L01
EPTC 3-4-SG-01-03	04-03-0916-2	1.15	3.14	J	1.57	2.87	7.85	03/21/01	040321L01
EPTC 3-4-SG-02-01	04-03-0916-3	ND	2.92		1.46	ND	7.30	03/22/04	040322L01
EPTC 3-4-SG-03-01	04-03-0916-4	0.94	2.76	J	1.38	2.35	6.90	03/22/04	040322L01
EPTC 3-4-SG-04-01	04-03-0916-5	0.93	2.74	J	1.37	2.33	6.85	03/22/04	040322L01
EPTC 3-4-SG-05-01	04-03-0916-6	ND	2.80		1.40	ND	7.00	03/22/04	040322L01
EPTC 3-4-SG-10-01	04-03-0916-7	ND	2.76		1.38	ND	6.90	03/23/04	040323L01
EPTC 3-4-SG-06-01	04-03-0916-8	ND	2.78		1.39	ND	6.95	03/23/04	040323L01
EPTC 3-4-SG-07-01	04-03-0916-9	ND	3.00		1.50	ND	7.50	03/23/04	040323L01
EPTC 3-4-SG-09-01	04-03-0916-10	ND	2.76		1.38	ND	6.90	03/23/04	040323L01
Method Blank	095-01-021-2,477	ND	2.00		1.00	ND	5.00	03/21/04	040321L01
Method Blank	095-01-021-2,483	ND	2.00		1.00	ND	5.00	03/22/04	040322L01
Method Blank	095-01-021-2,483	ND	2.00		1.00	ND	5.00	03/23/04	040323L01

Notes: Molecular weight of Isopropyl Alcohol (IPA) = 60.1 g/mole, RL = Reporting Limit, ND = None Detected at the specified Reporting limit.
Results are reported at 1 ATM and 20 degrees C. Molar volume = 24.04

- Leak test criteria as set forth in the Advisory - Active Soil Gas Investigation, January 28, 2003; Department of Toxic Substance Control (DTSC), and the California Regional Water Quality Control Board, Los Angeles Region (CRWQCB-LA).

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0916
Preparation:	N/A
Method:	EPA TO-15

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-2,477	Air	GC/MS V	N/A	03/21/04	040321L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Vinyl Chloride	102	91	58-124	12	0-37	
1,2-Dichloroethane	107	97	63-123	10	0-37	
Benzene	109	90	61-121	18	0-37	
Carbon Tetrachloride	111	96	56-128	14	0-42	
1,2-Dichloropropane	113	104	61-121	9	0-37	
c-1,3-Dichloropropene	110	105	62-128	4	0-37	
1,1,2-Trichloroethane	115	103	64-124	11	0-37	
Toluene	85	97	60-120	14	0-39	
Trichloroethene	99	102	65-119	3	0-38	
1,2-Dibromoethane	101	103	63-123	2	0-38	
Tetrachloroethene	96	99	59-119	3	0-40	
Ethylbenzene	98	97	61-127	1	0-38	
p/m-Xylene	97	94	57-129	2	0-39	
Bromoform	114	117	62-134	2	0-38	
o-Xylene	101	103	58-130	1	0-38	
1,4-Dichlorobenzene	129	114	51-147	12	0-49	
1,2-Dichlorobenzene	111	101	41-149	9	0-62	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0916
Preparation:	N/A
Method:	EPA TO-15

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-2,484	Air	GC/MS V	N/A	03/22/04	040322L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Vinyl Chloride	106	95	58-124	11	0-37	
1,2-Dichloroethane	109	111	63-123	3	0-37	
Benzene	105	106	61-121	0	0-37	
Carbon Tetrachloride	109	111	56-128	2	0-42	
1,2-Dichloropropane	109	114	61-121	4	0-37	
c-1,3-Dichloropropene	109	114	62-128	4	0-37	
1,1,2-Trichloroethane	109	105	64-124	4	0-37	
Toluene	101	108	60-120	6	0-39	
Trichloroethene	108	112	65-119	3	0-38	
1,2-Dibromoethane	105	113	63-123	7	0-38	
Tetrachloroethene	103	101	59-119	2	0-40	
Ethylbenzene	102	104	61-127	2	0-38	
p/m-Xylene	104	103	57-129	2	0-39	
Bromoform	119	129	62-134	8	0-38	
o-Xylene	106	115	58-130	9	0-38	
1,4-Dichlorobenzene	139	136	51-147	3	0-49	
1,2-Dichlorobenzene	126	121	41-149	4	0-62	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0916
Preparation:	N/A
Method:	EPA TO-15

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-2,483	Air	GC/MS V	N/A	03/23/04	040323L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Vinyl Chloride	102	95	58-124	8	0-37	
1,2-Dichloroethane	95	93	63-123	2	0-37	
Benzene	96	93	61-121	3	0-37	
Carbon Tetrachloride	114	108	56-128	6	0-42	
1,2-Dichloropropane	114	102	61-121	12	0-37	
c-1,3-Dichloropropene	111	100	62-128	10	0-37	
1,1,2-Trichloroethane	117	94	64-124	22	0-37	
Toluene	104	93	60-120	11	0-39	
Trichloroethene	110	100	65-119	10	0-38	
1,2-Dibromoethane	108	99	63-123	9	0-38	
Tetrachloroethene	117	90	59-119	26	0-40	
Ethylbenzene	109	95	61-127	14	0-38	
p/m-Xylene	118	101	57-129	16	0-39	
Bromoform	124	107	62-134	15	0-38	
o-Xylene	105	96	58-130	9	0-38	
1,4-Dichlorobenzene	105	87	51-147	19	0-49	
1,2-Dichlorobenzene	91	92	41-149	1	0-62	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 04-03-0916

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
D	The analyte concentration was reported from analysis of the diluted sample.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Table 2-3
Summary of Laboratory Analyses - Groundwater Samples
Phase II ESA
Alamitos EPTC Parcel 3-4

Location	Sample Number	Depth to GW (ft)	Sample Type	Date	VOCs (EPA 8260B)	SVOCs (EPA 8270C)	Comments
GW1	EPTC3-4-GW01-01	10	N	3/16/2004	1	1	
	EPTC3-4-GW05-01	**10**	**FD**	**3/16/2004**	**1**	**1**	Duplicate of EPTC 3-4 GW01-01
GW2	EPTC3-4-GW02-01	10	N	3/16/2004	1	1	MS/MSD
GW3	EPTC3-4-GW03-01	10	N	3/16/2004	1	1	
GW4	EPTC3-4-GW04-01	10	N	3/16/2004	1	1	
Total Samples					**5**	**5**	

Notes:

N = Normal Field Sample

FD = Field Duplicate

MS/MSD = Matrix Spike/Matrix Spike Duplicate

GW = Groundwater

Sample Delivery Group # for GW Sample Analysis is 04-03-0976

Calscience Environmental Laboratories, Inc.

CH2M Hill

Alamitos EPTC Parcel 3-4

182222.EP.02

Laboratory Report

04-03-0976

Prepared For:

Mr. Partha Bora
CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794
(714) 435-6181

March 2004

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

Calscience
Environmental
Laboratories, Inc.

March 23, 2004

Partha Bora
CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Subject: **Calscience Work Order No.: 04-03-0976**
Client Reference: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/16/2004 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Paul Mead
Project Manager

Michael J. Crisostomo
Quality Assurance Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 BG01-01	04-03-0976-6	03/16/04	Solid	03/16/04	03/17/04	040316L01

Comment(s): Mercury was analyzed on 3/17/2004 10:44:41 AM with batch 040316L01

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.750	1		mg/kg	Mercury	0.0469	0.0835	1	J	mg/kg
Arsenic	3.12	0.75	1		mg/kg	Molybdenum	ND	0.250	1		mg/kg
Barium	123	0.500	1		mg/kg	Nickel	45.0	0.2	1		mg/kg
Beryllium	0.502	0.250	1		mg/kg	Selenium	ND	0.750	1		mg/kg
Cadmium	1.39	0.50	1		mg/kg	Silver	ND	0.250	1		mg/kg
Chromium (Total)	21.2	0.2	1		mg/kg	Thallium	ND	0.750	1		mg/kg
Cobalt	12.0	0.2	1		mg/kg	Vanadium	50.5	0.2	1		mg/kg
Copper	26.6	0.5	1		mg/kg	Zinc	63.6	1.0	1		mg/kg
Lead	38.5	0.5	1		mg/kg						

EPTC 3-4 BG02-01	04-03-0976-7	03/16/04	Solid	03/16/04	03/17/04	040316L01

Comment(s): Mercury was analyzed on 3/17/2004 10:47:43 AM with batch 040316L01

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.750	1		mg/kg	Mercury	0.0640	0.0835	1	J	mg/kg
Arsenic	5.84	0.75	1		mg/kg	Molybdenum	0.164	0.250	1	J	mg/kg
Barium	148	0.500	1		mg/kg	Nickel	23.8	0.2	1		mg/kg
Beryllium	0.429	0.250	1		mg/kg	Selenium	ND	0.750	1		mg/kg
Cadmium	1.34	0.50	1		mg/kg	Silver	ND	0.250	1		mg/kg
Chromium (Total)	22.8	0.2	1		mg/kg	Thallium	ND	0.750	1		mg/kg
Cobalt	11.3	0.2	1		mg/kg	Vanadium	42.3	0.2	1		mg/kg
Copper	35.1	0.5	1		mg/kg	Zinc	151	1	1		mg/kg
Lead	56.2	0.5	1		mg/kg						

EPTC 3-4 BG03-01	04-03-0976-8	03/16/04	Solid	03/16/04	03/17/04	040316L01

Comment(s): Mercury was analyzed on 3/17/2004 10:50:48 AM with batch 040316L01

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.750	1		mg/kg	Mercury	0.0256	0.0835	1	J	mg/kg
Arsenic	1.81	0.75	1		mg/kg	Molybdenum	0.518	0.250	1		mg/kg
Barium	112	0.500	1		mg/kg	Nickel	17.3	0.2	1		mg/kg
Beryllium	0.472	0.250	1		mg/kg	Selenium	ND	0.750	1		mg/kg
Cadmium	1.12	0.50	1		mg/kg	Silver	ND	0.250	1		mg/kg
Chromium (Total)	20.9	0.2	1		mg/kg	Thallium	ND	0.750	1		mg/kg
Cobalt	11.4	0.2	1		mg/kg	Vanadium	42.8	0.2	1		mg/kg
Copper	18.6	0.5	1		mg/kg	Zinc	52.9	1.0	1		mg/kg
Lead	5.35	0.50	1		mg/kg						

Method Blank	099-04-007-2,480	N/A	Solid	03/16/04	03/17/04	040316L01

Parameter	Result	RL	DF	Qual	Units
Mercury	ND	0.0835	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	097-01-002-5,240	N/A	Solid	03/16/04	03/16/04	040316L01

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.750	1		mg/kg	Molybdenum	ND	0.250	1		mg/kg
Arsenic	0.201	0.750	1	J	mg/kg	Nickel	ND	0.250	1		mg/kg
Barium	ND	0.500	1		mg/kg	Selenium	ND	0.750	1		mg/kg
Beryllium	ND	0.250	1		mg/kg	Silver	ND	0.250	1		mg/kg
Cadmium	ND	0.500	1		mg/kg	Thallium	ND	0.750	1		mg/kg
Chromium (Total)	ND	0.250	1		mg/kg	Vanadium	ND	0.250	1		mg/kg
Cobalt	ND	0.250	1		mg/kg	Zinc	ND	1.00	1		mg/kg
Copper	0.0670	0.500	1	J	mg/kg	Lead	ND	0.500	1		mg/kg

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 EB-02	04-03-0976-9	03/16/04	Aqueous	03/16/04	03/17/04	040316L09

Comment(s): Mercury was analyzed on 3/17/2004 1:49:19 PM with batch 040316L04

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	0.00397	0.0150	1	J	mg/L	Mercury	0.000102	0.00050	1	J	mg/L
Arsenic	ND	0.0150	1		mg/L	Molybdenum	0.00234	0.00500	1	J	mg/L
Barium	0.00185	0.0100	1	J	mg/L	Nickel	0.00295	0.00500	1	J	mg/L
Beryllium	ND	0.00100	1		mg/L	Selenium	ND	0.0150	1		mg/L
Cadmium	ND	0.00500	1		mg/L	Silver	ND	0.00500	1		mg/L
Chromium (Total)	0.00228	0.00500	1	J	mg/L	Thallium	ND	0.0150	1		mg/L
Cobalt	ND	0.00500	1		mg/L	Vanadium	0.000443	0.00500	1	J	mg/L
Copper	0.00334	0.00500	1	J	mg/L	Zinc	ND	0.0100	1		mg/L
Lead	ND	0.0100	1		mg/L						

Method Blank	099-04-008-1,426	N/A	Aqueous	03/16/04	03/16/04	040316L04

Parameter	Result	RL	DF	Qual	Units
Mercury	ND	0.00050	1		mg/L

Method Blank	097-01-003-3,685	N/A	Aqueous	03/16/04	03/17/04	040316L09

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Antimony	ND	0.0150	1		mg/L	Molybdenum	ND	0.00500	1		mg/L
Arsenic	ND	0.0150	1		mg/L	Nickel	ND	0.00500	1		mg/L
Barium	ND	0.0100	1		mg/L	Selenium	ND	0.0150	1		mg/L
Beryllium	ND	0.00100	1		mg/L	Silver	ND	0.00500	1		mg/L
Cadmium	ND	0.00500	1		mg/L	Thallium	ND	0.0150	1		mg/L
Chromium (Total)	ND	0.00500	1		mg/L	Vanadium	0.000395	0.00500	1	J	mg/L
Cobalt	ND	0.00500	1		mg/L	Zinc	ND	0.0100	1		mg/L
Copper	0.00225	0.00500	1	J	mg/L	Lead	ND	0.0100	1		mg/L

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: EPA 3520B
Method: EPA 8081A/8082

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 EB-02	04-03-0976-9	03/16/04	Aqueous	03/16/04	03/18/04	040315L10

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Alpha-BHC	ND	0.10	1		ug/L	4,4'-DDT	ND	0.10	1		ug/L
Gamma-BHC	ND	0.10	1		ug/L	Endosulfan Sulfate	ND	0.10	1		ug/L
Beta-BHC	ND	0.10	1		ug/L	Methoxychlor	ND	0.10	1		ug/L
Heptachlor	ND	0.10	1		ug/L	Chlordane	ND	1.0	1		ug/L
Delta-BHC	ND	0.10	1		ug/L	Toxaphene	ND	2.0	1		ug/L
Aldrin	ND	0.10	1		ug/L	Endrin Ketone	ND	0.10	1		ug/L
Heptachlor Epoxide	ND	0.10	1		ug/L	Aroclor-1016	ND	1.0	1		ug/L
Endosulfan I	ND	0.10	1		ug/L	Aroclor-1221	ND	1.0	1		ug/L
Dieldrin	ND	0.10	1		ug/L	Aroclor-1232	ND	1.0	1		ug/L
4,4'-DDE	ND	0.10	1		ug/L	Aroclor-1242	ND	1.0	1		ug/L
Endrin	ND	0.10	1		ug/L	Aroclor-1248	ND	1.0	1		ug/L
Endrin Aldehyde	ND	0.10	1		ug/L	Aroclor-1254	ND	1.0	1		ug/L
4,4'-DDD	ND	0.10	1		ug/L	Aroclor-1260	ND	1.0	1		ug/L
Endosulfan II	ND	0.10	1		ug/L	Aroclor-1262	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
Decachlorobiphenyl	90	50-135		2,4,5,6-Tetrachloro-m-Xylene	52	50-135	

Method Blank	095-01-015-1,247	N/A	Aqueous	03/15/04	03/18/04	040315L10

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Alpha-BHC	ND	0.10	1		ug/L	4,4'-DDT	ND	0.10	1		ug/L
Gamma-BHC	ND	0.10	1		ug/L	Endosulfan Sulfate	ND	0.10	1		ug/L
Beta-BHC	ND	0.10	1		ug/L	Methoxychlor	ND	0.10	1		ug/L
Heptachlor	ND	0.10	1		ug/L	Chlordane	ND	1.0	1		ug/L
Delta-BHC	ND	0.10	1		ug/L	Toxaphene	ND	2.0	1		ug/L
Aldrin	ND	0.10	1		ug/L	Endrin Ketone	ND	0.10	1		ug/L
Heptachlor Epoxide	ND	0.10	1		ug/L	Aroclor-1016	ND	1.0	1		ug/L
Endosulfan I	ND	0.10	1		ug/L	Aroclor-1221	ND	1.0	1		ug/L
Dieldrin	ND	0.10	1		ug/L	Aroclor-1232	ND	1.0	1		ug/L
4,4'-DDE	ND	0.10	1		ug/L	Aroclor-1242	ND	1.0	1		ug/L
Endrin	ND	0.10	1		ug/L	Aroclor-1248	ND	1.0	1		ug/L
Endrin Aldehyde	ND	0.10	1		ug/L	Aroclor-1254	ND	1.0	1		ug/L
4,4'-DDD	ND	0.10	1		ug/L	Aroclor-1260	ND	1.0	1		ug/L
Endosulfan II	ND	0.10	1		ug/L	Aroclor-1262	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
Decachlorobiphenyl	105	50-135		2,4,5,6-Tetrachloro-m-Xylene	50	50-135	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/16/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0976
Santa Ana, CA 92707-8794		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 GW01-01	04-03-0976-1	03/16/04	Aqueous	N/A	03/17/04	040317L01

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	6.3	10.0	1	J	ug/L	1,3-Dichloropropane	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	2,2-Dichloropropane	ND	1.0	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromoform	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	10	1		ug/L	2-Hexanone	ND	10	1		ug/L
2-Butanone	ND	10	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Naphthalene	ND	10	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Styrene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	10	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
Dibromofluoromethane	101	57-157		Toluene-d8	104	75-123	
1,4-Bromofluorobenzene	100	76-113					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/16/04
Work Order No:	04-03-0976
Preparation:	EPA 5030B
Method:	EPA 8260B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 GW02-01	04-03-0976-2	03/16/04	Aqueous	N/A	03/17/04	040317L01

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	7.7	10.0	1	J	ug/L	1,3-Dichloropropane	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	2,2-Dichloropropane	ND	1.0	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromoform	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	10	1		ug/L	2-Hexanone	ND	10	1		ug/L
2-Butanone	ND	10	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Naphthalene	ND	10	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Styrene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	10	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.91	10.00	1	J	ug/L
Dibromomethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
Dibromofluoromethane	101	57-157		Toluene-d8	104	75-123	
1,4-Bromofluorobenzene	100	76-113					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/16/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0976
Santa Ana, CA 92707-8794		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 GW03-01	04-03-0976-3	03/16/04	Aqueous	N/A	03/17/04	040317L01

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,3-Dichloropropane	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	2,2-Dichloropropane	ND	1.0	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromoform	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	10	1		ug/L	2-Hexanone	ND	10	1		ug/L
2-Butanone	ND	10	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Naphthalene	ND	10	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Styrene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	10	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
Dibromofluoromethane	103	57-157		Toluene-d8	104	75-123	
1,4-Bromofluorobenzene	102	76-113					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: EPA 5030B
Method: EPA 8260B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 GW04-01	04-03-0976-4	03/16/04	Aqueous	N/A	03/17/04	040317L01

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,3-Dichloropropane	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	2,2-Dichloropropane	ND	1.0	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromoform	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	10	1		ug/L	2-Hexanone	ND	10	1		ug/L
2-Butanone	ND	10	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Naphthalene	ND	10	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Styrene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	10	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
Dibromofluoromethane	100	57-157		Toluene-d8	105	75-123	
1,4-Bromofluorobenzene	100	76-113					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/16/04
Work Order No:	04-03-0976
Preparation:	EPA 5030B
Method:	EPA 8260B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 GW05-01	04-03-0976-5	03/16/04	Aqueous	N/A	03/17/04	040317L01

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	5.5	10.0	1	J	ug/L	1,3-Dichloropropane	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	2,2-Dichloropropane	ND	1.0	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromoform	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	10	1		ug/L	2-Hexanone	ND	10	1		ug/L
2-Butanone	ND	10	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Naphthalene	ND	10	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Styrene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	10	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
Dibromofluoromethane	102	57-157		Toluene-d8	105	75-123	
1,4-Bromofluorobenzene	98	76-113					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: EPA 5030B
Method: EPA 8260B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 EB-02	04-03-0976-9	03/16/04	Aqueous	N/A	03/17/04	040317L01

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,3-Dichloropropane	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	2,2-Dichloropropane	ND	1.0	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromoform	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	10	1		ug/L	2-Hexanone	ND	10	1		ug/L
2-Butanone	ND	10	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Methylene Chloride	2.0	10.0	1	J	ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Naphthalene	ND	10	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Styrene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	10	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
Dibromofluoromethane	104	57-157		Toluene-d8	104	75-123	
1,4-Bromofluorobenzene	98	76-113					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: EPA 5030B
Method: EPA 8260B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-10-006-10,263	N/A	Aqueous	N/A	03/17/04	040317L01

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Acetone	ND	10	1		ug/L	1,3-Dichloropropane	ND	1.0	1		ug/L
Benzene	ND	0.50	1		ug/L	2,2-Dichloropropane	ND	1.0	1		ug/L
Bromobenzene	ND	1.0	1		ug/L	1,1-Dichloropropene	ND	1.0	1		ug/L
Bromochloromethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Bromoform	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Bromomethane	ND	10	1		ug/L	2-Hexanone	ND	10	1		ug/L
2-Butanone	ND	10	1		ug/L	Isopropylbenzene	ND	1.0	1		ug/L
n-Butylbenzene	ND	1.0	1		ug/L	p-Isopropyltoluene	ND	1.0	1		ug/L
sec-Butylbenzene	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
tert-Butylbenzene	ND	1.0	1		ug/L	4-Methyl-2-Pentanone	ND	10	1		ug/L
Carbon Disulfide	ND	10	1		ug/L	Naphthalene	ND	10	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	n-Propylbenzene	ND	1.0	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Styrene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	1,1,1,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
Chloromethane	ND	10	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
2-Chlorotoluene	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
4-Chlorotoluene	ND	1.0	1		ug/L	1,2,3-Trichlorobenzene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	1,2,4-Trichlorobenzene	ND	1.0	1		ug/L
1,2-Dibromo-3-Chloropropane	ND	5.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,2-Dibromoethane	ND	1.0	1		ug/L	1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1		ug/L
Dibromomethane	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	10	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,2,3-Trichloropropane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	1,2,4-Trimethylbenzene	ND	1.0	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	1,3,5-Trimethylbenzene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	Vinyl Acetate	ND	10	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
c-1,2-Dichloroethene	ND	1.0	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
t-1,2-Dichloroethene	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,2-Dichloropropane	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
Dibromofluoromethane	100	57-157		Toluene-d8	103	75-123	
1,4-Bromofluorobenzene	99	76-113					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: EPA 3520B
Method: EPA 8270C

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 GW01-01	04-03-0976-1	03/16/04	Aqueous	03/17/04	03/22/04	040317L09

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
N-Nitrosodimethylamine	ND	10	1		ug/L	2,4-Dinitrophenol	ND	50	1		ug/L
Aniline	ND	10	1		ug/L	4-Nitrophenol	ND	10	1		ug/L
Phenol	ND	10	1		ug/L	Dibenzofuran	ND	10	1		ug/L
Bis(2-Chloroethyl) Ether	ND	25	1		ug/L	2,4-Dinitrotoluene	ND	10	1		ug/L
2-Chlorophenol	ND	10	1		ug/L	2,6-Dinitrotoluene	ND	10	1		ug/L
1,3-Dichlorobenzene	ND	10	1		ug/L	Diethyl Phthalate	9.9	10.0	1	J	ug/L
1,4-Dichlorobenzene	ND	10	1		ug/L	4-Chlorophenyl-Phenyl Ether	ND	10	1		ug/L
Benzyl Alcohol	ND	10	1		ug/L	Fluorene	ND	10	1		ug/L
1,2-Dichlorobenzene	ND	10	1		ug/L	4-Nitroaniline	ND	10	1		ug/L
2-Methylphenol	ND	10	1		ug/L	Azobenzene	ND	10	1		ug/L
Bis(2-Chloroisopropyl) Ether	ND	10	1		ug/L	4,6-Dinitro-2-Methylphenol	ND	50	1		ug/L
3/4-Methylphenol	ND	10	1		ug/L	N-Nitrosodiphenylamine	ND	10	1		ug/L
N-Nitroso-di-n-propylamine	ND	10	1		ug/L	4-Bromophenyl-Phenyl Ether	ND	10	1		ug/L
Hexachloroethane	ND	10	1		ug/L	Hexachlorobenzene	ND	10	1		ug/L
Nitrobenzene	ND	25	1		ug/L	Pentachlorophenol	ND	10	1		ug/L
Isophorone	ND	10	1		ug/L	Phenanthrene	ND	10	1		ug/L
2-Nitrophenol	ND	10	1		ug/L	Anthracene	ND	10	1		ug/L
2,4-Dimethylphenol	ND	10	1		ug/L	Di-n-Butyl Phthalate	ND	10	1		ug/L
Benzoic Acid	ND	50	1		ug/L	Fluoranthene	ND	10	1		ug/L
Bis(2-Chloroethoxy) Methane	ND	10	1		ug/L	Benzidine	ND	50	1		ug/L
2,4-Dichlorophenol	ND	10	1		ug/L	Pyrene	ND	10	1		ug/L
1,2,4-Trichlorobenzene	ND	10	1		ug/L	Pyridine	ND	10	1		ug/L
Naphthalene	ND	10	1		ug/L	Butyl Benzyl Phthalate	ND	10	1		ug/L
4-Chloroaniline	ND	10	1		ug/L	3,3'-Dichlorobenzidine	ND	25	1		ug/L
Hexachloro-1,3-Butadiene	ND	10	1		ug/L	Benzo (a) Anthracene	ND	10	1		ug/L
4-Chloro-3-Methylphenol	ND	10	1		ug/L	Bis(2-Ethylhexyl) Phthalate	4.3	10.0	1	J	ug/L
2-Methylnaphthalene	ND	10	1		ug/L	Chrysene	ND	10	1		ug/L
Hexachlorocyclopentadiene	ND	25	1		ug/L	Di-n-Octyl Phthalate	ND	10	1		ug/L
2,4,6-Trichlorophenol	ND	10	1		ug/L	Benzo (k) Fluoranthene	ND	10	1		ug/L
2,4,5-Trichlorophenol	ND	10	1		ug/L	Benzo (b) Fluoranthene	ND	10	1		ug/L
2-Chloronaphthalene	ND	10	1		ug/L	Benzo (a) Pyrene	ND	10	1		ug/L
2-Nitroaniline	ND	10	1		ug/L	Benzo (g,h,i) Perylene	ND	10	1		ug/L
Dimethyl Phthalate	ND	10	1		ug/L	Indeno (1,2,3-c,d) Pyrene	ND	10	1		ug/L
Acenaphthylene	ND	10	1		ug/L	Dibenz (a,h) Anthracene	ND	10	1		ug/L
3-Nitroaniline	ND	10	1		ug/L	1-Methylnaphthalene	ND	10	1		ug/L
Acenaphthene	ND	10	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
2-Fluorophenol	78	15-138		Phenol-d6	77	17-141	
Nitrobenzene-d5	89	28-139		2-Fluorobiphenyl	78	33-144	
2,4,6-Tribromophenol	93	32-143		p-Terphenyl-d14	118	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/16/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0976
Santa Ana, CA 92707-8794		Preparation:	EPA 3520B
		Method:	EPA 8270C

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 GW02-01	04-03-0976-2	03/16/04	Aqueous	03/17/04	03/22/04	040317L09

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
N-Nitrosodimethylamine	ND	10	1		ug/L	2,4-Dinitrophenol	ND	50	1		ug/L
Aniline	ND	10	1		ug/L	4-Nitrophenol	ND	10	1		ug/L
Phenol	ND	10	1		ug/L	Dibenzofuran	ND	10	1		ug/L
Bis(2-Chloroethyl) Ether	ND	25	1		ug/L	2,4-Dinitrotoluene	ND	10	1		ug/L
2-Chlorophenol	ND	10	1		ug/L	2,6-Dinitrotoluene	ND	10	1		ug/L
1,3-Dichlorobenzene	ND	10	1		ug/L	Diethyl Phthalate	2.1	10.0	1	J	ug/L
1,4-Dichlorobenzene	ND	10	1		ug/L	4-Chlorophenyl-Phenyl Ether	ND	10	1		ug/L
Benzyl Alcohol	ND	10	1		ug/L	Fluorene	ND	10	1		ug/L
1,2-Dichlorobenzene	ND	10	1		ug/L	4-Nitroaniline	ND	10	1		ug/L
2-Methylphenol	ND	10	1		ug/L	Azobenzene	ND	10	1		ug/L
Bis(2-Chloroisopropyl) Ether	ND	10	1		ug/L	4,6-Dinitro-2-Methylphenol	ND	50	1		ug/L
3/4-Methylphenol	ND	10	1		ug/L	N-Nitrosodiphenylamine	ND	10	1		ug/L
N-Nitroso-di-n-propylamine	ND	10	1		ug/L	4-Bromophenyl-Phenyl Ether	ND	10	1		ug/L
Hexachloroethane	ND	10	1		ug/L	Hexachlorobenzene	ND	10	1		ug/L
Nitrobenzene	ND	25	1		ug/L	Pentachlorophenol	ND	10	1		ug/L
Isophorone	ND	10	1		ug/L	Phenanthrene	ND	10	1		ug/L
2-Nitrophenol	ND	10	1		ug/L	Anthracene	ND	10	1		ug/L
2,4-Dimethylphenol	ND	10	1		ug/L	Di-n-Butyl Phthalate	ND	10	1		ug/L
Benzoic Acid	ND	50	1		ug/L	Fluoranthene	ND	10	1		ug/L
Bis(2-Chloroethoxy) Methane	ND	10	1		ug/L	Benzidine	ND	50	1		ug/L
2,4-Dichlorophenol	ND	10	1		ug/L	Pyrene	ND	10	1		ug/L
1,2,4-Trichlorobenzene	ND	10	1		ug/L	Pyridine	ND	10	1		ug/L
Naphthalene	ND	10	1		ug/L	Butyl Benzyl Phthalate	ND	10	1		ug/L
4-Chloroaniline	ND	10	1		ug/L	3,3'-Dichlorobenzidine	ND	25	1		ug/L
Hexachloro-1,3-Butadiene	ND	10	1		ug/L	Benzo (a) Anthracene	ND	10	1		ug/L
4-Chloro-3-Methylphenol	ND	10	1		ug/L	Bis(2-Ethylhexyl) Phthalate	ND	10	1		ug/L
2-Methylnaphthalene	ND	10	1		ug/L	Chrysene	ND	10	1		ug/L
Hexachlorocyclopentadiene	ND	25	1		ug/L	Di-n-Octyl Phthalate	ND	10	1		ug/L
2,4,6-Trichlorophenol	ND	10	1		ug/L	Benzo (k) Fluoranthene	ND	10	1		ug/L
2,4,5-Trichlorophenol	ND	10	1		ug/L	Benzo (b) Fluoranthene	ND	10	1		ug/L
2-Chloronaphthalene	ND	10	1		ug/L	Benzo (a) Pyrene	ND	10	1		ug/L
2-Nitroaniline	ND	10	1		ug/L	Benzo (g,h,i) Perylene	ND	10	1		ug/L
Dimethyl Phthalate	ND	10	1		ug/L	Indeno (1,2,3-c,d) Pyrene	ND	10	1		ug/L
Acenaphthylene	ND	10	1		ug/L	Dibenz (a,h) Anthracene	ND	10	1		ug/L
3-Nitroaniline	ND	10	1		ug/L	1-Methylnaphthalene	ND	10	1		ug/L
Acenaphthene	ND	10	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
2-Fluorophenol	91	15-138		Phenol-d6	89	17-141	
Nitrobenzene-d5	99	28-139		2-Fluorobiphenyl	99	33-144	
2,4,6-Tribromophenol	105	32-143		p-Terphenyl-d14	125	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/16/04
Work Order No:	04-03-0976
Preparation:	EPA 3520B
Method:	EPA 8270C

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 GW03-01	04-03-0976-3	03/16/04	Aqueous	03/17/04	03/22/04	040317L09

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
N-Nitrosodimethylamine	ND	10	1		ug/L	2,4-Dinitrophenol	ND	50	1		ug/L
Aniline	ND	10	1		ug/L	4-Nitrophenol	ND	10	1		ug/L
Phenol	ND	10	1		ug/L	Dibenzofuran	ND	10	1		ug/L
Bis(2-Chloroethyl) Ether	ND	25	1		ug/L	2,4-Dinitrotoluene	ND	10	1		ug/L
2-Chlorophenol	ND	10	1		ug/L	2,6-Dinitrotoluene	ND	10	1		ug/L
1,3-Dichlorobenzene	ND	10	1		ug/L	Diethyl Phthalate	ND	10	1		ug/L
1,4-Dichlorobenzene	ND	10	1		ug/L	4-Chlorophenyl-Phenyl Ether	ND	10	1		ug/L
Benzyl Alcohol	ND	10	1		ug/L	Fluorene	ND	10	1		ug/L
1,2-Dichlorobenzene	ND	10	1		ug/L	4-Nitroaniline	ND	10	1		ug/L
2-Methylphenol	ND	10	1		ug/L	Azobenzene	ND	10	1		ug/L
Bis(2-Chloroisopropyl) Ether	ND	10	1		ug/L	4,6-Dinitro-2-Methylphenol	ND	50	1		ug/L
3/4-Methylphenol	ND	10	1		ug/L	N-Nitrosodiphenylamine	ND	10	1		ug/L
N-Nitroso-di-n-propylamine	ND	10	1		ug/L	4-Bromophenyl-Phenyl Ether	ND	10	1		ug/L
Hexachloroethane	ND	10	1		ug/L	Hexachlorobenzene	ND	10	1		ug/L
Nitrobenzene	ND	25	1		ug/L	Pentachlorophenol	ND	10	1		ug/L
Isophorone	ND	10	1		ug/L	Phenanthrene	ND	10	1		ug/L
2-Nitrophenol	ND	10	1		ug/L	Anthracene	ND	10	1		ug/L
2,4-Dimethylphenol	ND	10	1		ug/L	Di-n-Butyl Phthalate	ND	10	1		ug/L
Benzoic Acid	ND	50	1		ug/L	Fluoranthene	ND	10	1		ug/L
Bis(2-Chloroethoxy) Methane	ND	10	1		ug/L	Benzidine	ND	50	1		ug/L
2,4-Dichlorophenol	ND	10	1		ug/L	Pyrene	ND	10	1		ug/L
1,2,4-Trichlorobenzene	ND	10	1		ug/L	Pyridine	ND	10	1		ug/L
Naphthalene	ND	10	1		ug/L	Butyl Benzyl Phthalate	ND	10	1		ug/L
4-Chloroaniline	ND	10	1		ug/L	3,3'-Dichlorobenzidine	ND	25	1		ug/L
Hexachloro-1,3-Butadiene	ND	10	1		ug/L	Benzo (a) Anthracene	ND	10	1		ug/L
4-Chloro-3-Methylphenol	ND	10	1		ug/L	Bis(2-Ethylhexyl) Phthalate	ND	10	1		ug/L
2-Methylnaphthalene	ND	10	1		ug/L	Chrysene	ND	10	1		ug/L
Hexachlorocyclopentadiene	ND	25	1		ug/L	Di-n-Octyl Phthalate	ND	10	1		ug/L
2,4,6-Trichlorophenol	ND	10	1		ug/L	Benzo (k) Fluoranthene	ND	10	1		ug/L
2,4,5-Trichlorophenol	ND	10	1		ug/L	Benzo (b) Fluoranthene	ND	10	1		ug/L
2-Chloronaphthalene	ND	10	1		ug/L	Benzo (a) Pyrene	ND	10	1		ug/L
2-Nitroaniline	ND	10	1		ug/L	Benzo (g,h,i) Perylene	ND	10	1		ug/L
Dimethyl Phthalate	ND	10	1		ug/L	Indeno (1,2,3-c,d) Pyrene	ND	10	1		ug/L
Acenaphthylene	ND	10	1		ug/L	Dibenz (a,h) Anthracene	ND	10	1		ug/L
3-Nitroaniline	ND	10	1		ug/L	1-Methylnaphthalene	ND	10	1		ug/L
Acenaphthene	ND	10	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
2-Fluorophenol	85	15-138		Phenol-d6	84	17-141	
Nitrobenzene-d5	96	28-139		2-Fluorobiphenyl	84	33-144	
2,4,6-Tribromophenol	99	32-143		p-Terphenyl-d14	118	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: EPA 3520B
Method: EPA 8270C

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 GW04-01	04-03-0976-4	03/16/04	Aqueous	03/17/04	03/22/04	040317L09

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
N-Nitrosodimethylamine	ND	10	1		ug/L	2,4-Dinitrophenol	ND	50	1		ug/L
Aniline	ND	10	1		ug/L	4-Nitrophenol	ND	10	1		ug/L
Phenol	ND	10	1		ug/L	Dibenzofuran	ND	10	1		ug/L
Bis(2-Chloroethyl) Ether	ND	25	1		ug/L	2,4-Dinitrotoluene	ND	10	1		ug/L
2-Chlorophenol	ND	10	1		ug/L	2,6-Dinitrotoluene	ND	10	1		ug/L
1,3-Dichlorobenzene	ND	10	1		ug/L	Diethyl Phthalate	6.3	10.0	1	J	ug/L
1,4-Dichlorobenzene	ND	10	1		ug/L	4-Chlorophenyl-Phenyl Ether	ND	10	1		ug/L
Benzyl Alcohol	ND	10	1		ug/L	Fluorene	ND	10	1		ug/L
1,2-Dichlorobenzene	ND	10	1		ug/L	4-Nitroaniline	ND	10	1		ug/L
2-Methylphenol	ND	10	1		ug/L	Azobenzene	ND	10	1		ug/L
Bis(2-Chloroisopropyl) Ether	ND	10	1		ug/L	4,6-Dinitro-2-Methylphenol	ND	50	1		ug/L
3/4-Methylphenol	ND	10	1		ug/L	N-Nitrosodiphenylamine	ND	10	1		ug/L
N-Nitroso-di-n-propylamine	ND	10	1		ug/L	4-Bromophenyl-Phenyl Ether	ND	10	1		ug/L
Hexachloroethane	ND	10	1		ug/L	Hexachlorobenzene	ND	10	1		ug/L
Nitrobenzene	ND	25	1		ug/L	Pentachlorophenol	ND	10	1		ug/L
Isophorone	ND	10	1		ug/L	Phenanthrene	ND	10	1		ug/L
2-Nitrophenol	ND	10	1		ug/L	Anthracene	ND	10	1		ug/L
2,4-Dimethylphenol	ND	10	1		ug/L	Di-n-Butyl Phthalate	ND	10	1		ug/L
Benzoic Acid	ND	50	1		ug/L	Fluoranthene	ND	10	1		ug/L
Bis(2-Chloroethoxy) Methane	ND	10	1		ug/L	Benzidine	ND	50	1		ug/L
2,4-Dichlorophenol	ND	10	1		ug/L	Pyrene	ND	10	1		ug/L
1,2,4-Trichlorobenzene	ND	10	1		ug/L	Pyridine	ND	10	1		ug/L
Naphthalene	ND	10	1		ug/L	Butyl Benzyl Phthalate	ND	10	1		ug/L
4-Chloroaniline	ND	10	1		ug/L	3,3'-Dichlorobenzidine	ND	25	1		ug/L
Hexachloro-1,3-Butadiene	ND	10	1		ug/L	Benzo (a) Anthracene	ND	10	1		ug/L
4-Chloro-3-Methylphenol	ND	10	1		ug/L	Bis(2-Ethylhexyl) Phthalate	7.7	10.0	1	J	ug/L
2-Methylnaphthalene	ND	10	1		ug/L	Chrysene	ND	10	1		ug/L
Hexachlorocyclopentadiene	ND	25	1		ug/L	Di-n-Octyl Phthalate	ND	10	1		ug/L
2,4,6-Trichlorophenol	ND	10	1		ug/L	Benzo (k) Fluoranthene	ND	10	1		ug/L
2,4,5-Trichlorophenol	ND	10	1		ug/L	Benzo (b) Fluoranthene	ND	10	1		ug/L
2-Chloronaphthalene	ND	10	1		ug/L	Benzo (a) Pyrene	ND	10	1		ug/L
2-Nitroaniline	ND	10	1		ug/L	Benzo (g,h,i) Perylene	ND	10	1		ug/L
Dimethyl Phthalate	ND	10	1		ug/L	Indeno (1,2,3-c,d) Pyrene	ND	10	1		ug/L
Acenaphthylene	ND	10	1		ug/L	Dibenz (a,h) Anthracene	ND	10	1		ug/L
3-Nitroaniline	ND	10	1		ug/L	1-Methylnaphthalene	ND	10	1		ug/L
Acenaphthene	ND	10	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
2-Fluorophenol	80	15-138		Phenol-d6	78	17-141	
Nitrobenzene-d5	89	28-139		2-Fluorobiphenyl	85	33-144	
2,4,6-Tribromophenol	94	32-143		p-Terphenyl-d14	106	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: EPA 3520B
Method: EPA 8270C

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 GW05-01	04-03-0976-5	03/16/04	Aqueous	03/17/04	03/22/04	040317L09

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
N-Nitrosodimethylamine	ND	10	1		ug/L	2,4-Dinitrophenol	ND	50	1		ug/L
Aniline	ND	10	1		ug/L	4-Nitrophenol	ND	10	1		ug/L
Phenol	ND	10	1		ug/L	Dibenzofuran	ND	10	1		ug/L
Bis(2-Chloroethyl) Ether	ND	25	1		ug/L	2,4-Dinitrotoluene	ND	10	1		ug/L
2-Chlorophenol	ND	10	1		ug/L	2,6-Dinitrotoluene	ND	10	1		ug/L
1,3-Dichlorobenzene	ND	10	1		ug/L	Diethyl Phthalate	49	10	1		ug/L
1,4-Dichlorobenzene	ND	10	1		ug/L	4-Chlorophenyl-Phenyl Ether	ND	10	1		ug/L
Benzyl Alcohol	ND	10	1		ug/L	Fluorene	ND	10	1		ug/L
1,2-Dichlorobenzene	ND	10	1		ug/L	4-Nitroaniline	ND	10	1		ug/L
2-Methylphenol	ND	10	1		ug/L	Azobenzene	ND	10	1		ug/L
Bis(2-Chloroisopropyl) Ether	ND	10	1		ug/L	4,6-Dinitro-2-Methylphenol	ND	50	1		ug/L
3/4-Methylphenol	ND	10	1		ug/L	N-Nitrosodiphenylamine	ND	10	1		ug/L
N-Nitroso-di-n-propylamine	ND	10	1		ug/L	4-Bromophenyl-Phenyl Ether	ND	10	1		ug/L
Hexachloroethane	ND	10	1		ug/L	Hexachlorobenzene	ND	10	1		ug/L
Nitrobenzene	ND	25	1		ug/L	Pentachlorophenol	ND	10	1		ug/L
Isophorone	ND	10	1		ug/L	Phenanthrene	ND	10	1		ug/L
2-Nitrophenol	ND	10	1		ug/L	Anthracene	ND	10	1		ug/L
2,4-Dimethylphenol	ND	10	1		ug/L	Di-n-Butyl Phthalate	ND	10	1		ug/L
Benzoic Acid	ND	50	1		ug/L	Fluoranthene	ND	10	1		ug/L
Bis(2-Chloroethoxy) Methane	ND	10	1		ug/L	Benzidine	ND	50	1		ug/L
2,4-Dichlorophenol	ND	10	1		ug/L	Pyrene	ND	10	1		ug/L
1,2,4-Trichlorobenzene	ND	10	1		ug/L	Pyridine	ND	10	1		ug/L
Naphthalene	ND	10	1		ug/L	Butyl Benzyl Phthalate	ND	10	1		ug/L
4-Chloroaniline	ND	10	1		ug/L	3,3'-Dichlorobenzidine	ND	25	1		ug/L
Hexachloro-1,3-Butadiene	ND	10	1		ug/L	Benzo (a) Anthracene	ND	10	1		ug/L
4-Chloro-3-Methylphenol	ND	10	1		ug/L	Bis(2-Ethylhexyl) Phthalate	6.5	10.0	1	J	ug/L
2-Methylnaphthalene	ND	10	1		ug/L	Chrysene	ND	10	1		ug/L
Hexachlorocyclopentadiene	ND	25	1		ug/L	Di-n-Octyl Phthalate	ND	10	1		ug/L
2,4,6-Trichlorophenol	ND	10	1		ug/L	Benzo (k) Fluoranthene	ND	10	1		ug/L
2,4,5-Trichlorophenol	ND	10	1		ug/L	Benzo (b) Fluoranthene	ND	10	1		ug/L
2-Chloronaphthalene	ND	10	1		ug/L	Benzo (a) Pyrene	ND	10	1		ug/L
2-Nitroaniline	ND	10	1		ug/L	Benzo (g,h,i) Perylene	ND	10	1		ug/L
Dimethyl Phthalate	ND	10	1		ug/L	Indeno (1,2,3-c,d) Pyrene	ND	10	1		ug/L
Acenaphthylene	ND	10	1		ug/L	Dibenz (a,h) Anthracene	ND	10	1		ug/L
3-Nitroaniline	ND	10	1		ug/L	1-Methylnaphthalene	ND	10	1		ug/L
Acenaphthene	ND	10	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
2-Fluorophenol	57	15-138		Phenol-d6	63	17-141	
Nitrobenzene-d5	61	28-139		2-Fluorobiphenyl	69	33-144	
2,4,6-Tribromophenol	87	32-143		p-Terphenyl-d14	98	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received:	03/16/04
Work Order No:	04-03-0976
Preparation:	EPA 3520B
Method:	EPA 8270C

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EPTC 3-4 EB-02	04-03-0976-9	03/16/04	Aqueous	03/17/04	03/22/04	040317L09

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
N-Nitrosodimethylamine	ND	10	1		ug/L	2,4-Dinitrophenol	ND	50	1		ug/L
Aniline	ND	10	1		ug/L	4-Nitrophenol	ND	10	1		ug/L
Phenol	ND	10	1		ug/L	Dibenzofuran	ND	10	1		ug/L
Bis(2-Chloroethyl) Ether	ND	25	1		ug/L	2,4-Dinitrotoluene	ND	10	1		ug/L
2-Chlorophenol	ND	10	1		ug/L	2,6-Dinitrotoluene	ND	10	1		ug/L
1,3-Dichlorobenzene	ND	10	1		ug/L	Diethyl Phthalate	ND	10	1		ug/L
1,4-Dichlorobenzene	ND	10	1		ug/L	4-Chlorophenyl-Phenyl Ether	ND	10	1		ug/L
Benzyl Alcohol	ND	10	1		ug/L	Fluorene	ND	10	1		ug/L
1,2-Dichlorobenzene	ND	10	1		ug/L	4-Nitroaniline	ND	10	1		ug/L
2-Methylphenol	ND	10	1		ug/L	Azobenzene	ND	10	1		ug/L
Bis(2-Chloroisopropyl) Ether	ND	10	1		ug/L	4,6-Dinitro-2-Methylphenol	ND	50	1		ug/L
3/4-Methylphenol	ND	10	1		ug/L	N-Nitrosodiphenylamine	ND	10	1		ug/L
N-Nitroso-di-n-propylamine	ND	10	1		ug/L	4-Bromophenyl-Phenyl Ether	ND	10	1		ug/L
Hexachloroethane	ND	10	1		ug/L	Hexachlorobenzene	ND	10	1		ug/L
Nitrobenzene	ND	25	1		ug/L	Pentachlorophenol	ND	10	1		ug/L
Isophorone	ND	10	1		ug/L	Phenanthrene	ND	10	1		ug/L
2-Nitrophenol	ND	10	1		ug/L	Anthracene	ND	10	1		ug/L
2,4-Dimethylphenol	ND	10	1		ug/L	Di-n-Butyl Phthalate	ND	10	1		ug/L
Benzoic Acid	ND	50	1		ug/L	Fluoranthene	ND	10	1		ug/L
Bis(2-Chloroethoxy) Methane	ND	10	1		ug/L	Benzidine	ND	50	1		ug/L
2,4-Dichlorophenol	ND	10	1		ug/L	Pyrene	ND	10	1		ug/L
1,2,4-Trichlorobenzene	ND	10	1		ug/L	Pyridine	ND	10	1		ug/L
Naphthalene	ND	10	1		ug/L	Butyl Benzyl Phthalate	ND	10	1		ug/L
4-Chloroaniline	ND	10	1		ug/L	3,3'-Dichlorobenzidine	ND	25	1		ug/L
Hexachloro-1,3-Butadiene	ND	10	1		ug/L	Benzo (a) Anthracene	ND	10	1		ug/L
4-Chloro-3-Methylphenol	ND	10	1		ug/L	Bis(2-Ethylhexyl) Phthalate	ND	10	1		ug/L
2-Methylnaphthalene	ND	10	1		ug/L	Chrysene	ND	10	1		ug/L
Hexachlorocyclopentadiene	ND	25	1		ug/L	Di-n-Octyl Phthalate	ND	10	1		ug/L
2,4,6-Trichlorophenol	ND	10	1		ug/L	Benzo (k) Fluoranthene	ND	10	1		ug/L
2,4,5-Trichlorophenol	ND	10	1		ug/L	Benzo (b) Fluoranthene	ND	10	1		ug/L
2-Chloronaphthalene	ND	10	1		ug/L	Benzo (a) Pyrene	ND	10	1		ug/L
2-Nitroaniline	ND	10	1		ug/L	Benzo (g,h,i) Perylene	ND	10	1		ug/L
Dimethyl Phthalate	ND	10	1		ug/L	Indeno (1,2,3-c,d) Pyrene	ND	10	1		ug/L
Acenaphthylene	ND	10	1		ug/L	Dibenz (a,h) Anthracene	ND	10	1		ug/L
3-Nitroaniline	ND	10	1		ug/L	1-Methylnaphthalene	ND	10	1		ug/L
Acenaphthene	ND	10	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
2-Fluorophenol	75	15-138		Phenol-d6	75	17-141	
Nitrobenzene-d5	84	28-139		2-Fluorobiphenyl	80	33-144	
2,4,6-Tribromophenol	90	32-143		p-Terphenyl-d14	119	23-160	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

CH2M Hill		Date Received:	03/16/04
3 Hutton Centre Drive, Suite 200		Work Order No:	04-03-0976
Santa Ana, CA 92707-8794		Preparation:	EPA 3520B
		Method:	EPA 8270C

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	095-01-003-1,438	N/A	Aqueous	03/17/04	03/22/04	040317L09

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
N-Nitrosodimethylamine	ND	10	1		ug/L	2,4-Dinitrophenol	ND	50	1		ug/L
Aniline	ND	10	1		ug/L	4-Nitrophenol	ND	10	1		ug/L
Phenol	ND	10	1		ug/L	Dibenzofuran	ND	10	1		ug/L
Bis(2-Chloroethyl) Ether	ND	25	1		ug/L	2,4-Dinitrotoluene	ND	10	1		ug/L
2-Chlorophenol	ND	10	1		ug/L	2,6-Dinitrotoluene	ND	10	1		ug/L
1,3-Dichlorobenzene	ND	10	1		ug/L	Diethyl Phthalate	ND	10	1		ug/L
1,4-Dichlorobenzene	ND	10	1		ug/L	4-Chlorophenyl-Phenyl Ether	ND	10	1		ug/L
Benzyl Alcohol	ND	10	1		ug/L	Fluorene	ND	10	1		ug/L
1,2-Dichlorobenzene	ND	10	1		ug/L	4-Nitroaniline	ND	10	1		ug/L
2-Methylphenol	ND	10	1		ug/L	Azobenzene	ND	10	1		ug/L
Bis(2-Chloroisopropyl) Ether	ND	10	1		ug/L	4,6-Dinitro-2-Methylphenol	ND	50	1		ug/L
3/4-Methylphenol	ND	10	1		ug/L	N-Nitrosodiphenylamine	ND	10	1		ug/L
N-Nitroso-di-n-propylamine	ND	10	1		ug/L	4-Bromophenyl-Phenyl Ether	ND	10	1		ug/L
Hexachloroethane	ND	10	1		ug/L	Hexachlorobenzene	ND	10	1		ug/L
Nitrobenzene	ND	25	1		ug/L	Pentachlorophenol	ND	10	1		ug/L
Isophorone	ND	10	1		ug/L	Phenanthrene	ND	10	1		ug/L
2-Nitrophenol	ND	10	1		ug/L	Anthracene	ND	10	1		ug/L
2,4-Dimethylphenol	ND	10	1		ug/L	Di-n-Butyl Phthalate	ND	10	1		ug/L
Benzoic Acid	ND	50	1		ug/L	Fluoranthene	ND	10	1		ug/L
Bis(2-Chloroethoxy) Methane	ND	10	1		ug/L	Benzidine	ND	50	1		ug/L
2,4-Dichlorophenol	ND	10	1		ug/L	Pyrene	ND	10	1		ug/L
1,2,4-Trichlorobenzene	ND	10	1		ug/L	Pyridine	ND	10	1		ug/L
Naphthalene	ND	10	1		ug/L	Butyl Benzyl Phthalate	2.3	10.0	1	J	ug/L
4-Chloroaniline	ND	10	1		ug/L	3,3'-Dichlorobenzidine	ND	25	1		ug/L
Hexachloro-1,3-Butadiene	ND	10	1		ug/L	Benzo (a) Anthracene	ND	10	1		ug/L
4-Chloro-3-Methylphenol	ND	10	1		ug/L	Bis(2-Ethylhexyl) Phthalate	ND	10	1		ug/L
2-Methylnaphthalene	ND	10	1		ug/L	Chrysene	ND	10	1		ug/L
Hexachlorocyclopentadiene	ND	25	1		ug/L	Di-n-Octyl Phthalate	ND	10	1		ug/L
2,4,6-Trichlorophenol	ND	10	1		ug/L	Benzo (k) Fluoranthene	ND	10	1		ug/L
2,4,5-Trichlorophenol	ND	10	1		ug/L	Benzo (b) Fluoranthene	ND	10	1		ug/L
2-Chloronaphthalene	ND	10	1		ug/L	Benzo (a) Pyrene	ND	10	1		ug/L
2-Nitroaniline	ND	10	1		ug/L	Benzo (g,h,i) Perylene	ND	10	1		ug/L
Dimethyl Phthalate	ND	10	1		ug/L	Indeno (1,2,3-c,d) Pyrene	ND	10	1		ug/L
Acenaphthylene	ND	10	1		ug/L	Dibenz (a,h) Anthracene	ND	10	1		ug/L
3-Nitroaniline	ND	10	1		ug/L	1-Methylnaphthalene	ND	10	1		ug/L
Acenaphthene	ND	10	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
2-Fluorophenol	84	15-138		Phenol-d6	81	17-141	
Nitrobenzene-d5	95	28-139		2-Fluorobiphenyl	87	33-144	
2,4,6-Tribromophenol	106	32-143		p-Terphenyl-d14	136	23-160	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: EPA 3050B
Method: EPA 6010B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-03-0882-8	Solid	ICP 3300	03/16/04	03/17/04	040316S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	50	48	50-115	4	0-20	3
Arsenic	101	99	75-125	2	0-20	
Barium	104	97	75-125	3	0-20	
Beryllium	106	104	75-125	3	0-20	
Cadmium	103	101	75-125	2	0-20	
Chromium (Total)	101	99	75-125	2	0-20	
Cobalt	104	101	75-125	2	0-20	
Copper	111	106	75-125	3	0-20	
Lead	96	93	75-125	2	0-20	
Molybdenum	90	89	75-125	2	0-20	
Nickel	99	97	75-125	1	0-20	
Selenium	98	97	75-125	0	0-20	
Silver	105	103	75-125	2	0-20	
Thallium	92	90	75-125	2	0-20	
Vanadium	108	104	75-125	2	0-20	
Zinc	97	93	75-125	2	0-20	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: TR
Method: EPA 6010B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-03-0932-1	Aqueous	ICP 3300	03/16/04	03/17/04	040316S09

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	112	111	80-120	1	0-20	
Arsenic	105	104	80-120	1	0-20	
Barium	93	89	80-120	3	0-20	
Beryllium	100	98	80-120	3	0-20	
Cadmium	93	90	80-120	3	0-20	
Chromium (Total)	92	89	80-120	3	0-20	
Cobalt	93	90	80-120	3	0-20	
Copper	119	119	80-120	0	0-20	
Lead	85	82	80-120	4	0-20	
Molybdenum	87	84	80-120	3	0-20	
Nickel	85	82	80-120	4	0-20	
Selenium	113	110	80-120	2	0-20	
Silver	130	129	80-120	1	0-20	3
Thallium	78	76	80-120	3	0-20	3
Vanadium	103	101	80-120	2	0-20	
Zinc	109	107	80-120	3	0-20	

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received: N/A
Work Order No: 04-03-0976
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-002-5,240	Solid	ICP 3300	03/16/04	040316-I-01	040316L01

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Antimony	50.0	48.0	96	80-120	
Arsenic	50.0	49.3	99	80-120	
Barium	50.0	53.3	107	80-120	
Beryllium	50.0	48.8	98	80-120	
Cadmium	50.0	51.5	103	80-120	
Chromium (Total)	50.0	50.6	101	80-120	
Cobalt	50.0	52.0	104	80-120	
Copper	50.0	51.3	103	80-120	
Lead	50.0	51.3	103	80-120	
Molybdenum	50.0	50.4	101	80-120	
Nickel	50.0	50.3	101	80-120	
Selenium	50.0	47.2	94	80-120	
Silver	25.0	24.3	97	80-120	
Thallium	50.0	49.8	100	80-120	
Vanadium	50.0	49.5	99	80-120	
Zinc	50.0	49.6	99	80-120	

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received: N/A
Work Order No: 04-03-0976
Preparation: EPA 3010A Total
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-003-3,685	Aqueous	ICP 3300	03/17/04	040316-I-09	040316L09

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Antimony	1.00	0.990	99	80-120	
Arsenic	1.00	1.01	101	80-120	
Barium	1.00	1.07	107	80-120	
Beryllium	1.00	1.02	102	80-120	
Cadmium	1.00	1.04	104	80-120	
Chromium (Total)	1.00	0.983	98	80-120	
Cobalt	1.00	1.08	108	80-120	
Copper	1.00	0.974	97	80-120	
Lead	1.00	1.04	104	80-120	
Molybdenum	1.00	1.00	100	80-120	
Nickel	1.00	0.996	100	80-120	
Selenium	1.00	0.980	98	80-120	
Silver	0.500	0.474	95	80-120	
Thallium	1.00	1.03	103	80-120	
Vanadium	1.00	1.01	101	80-120	
Zinc	1.00	0.975	97	80-120	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-03-0882-8	Solid	Mercury	03/16/04	03/17/04	040316S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	102	102	76-136	1	0-16	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: EPA 7470A Total
Method: EPA 7470A

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-03-0936-5	Aqueous	Mercury	03/16/04	03/16/04	040316S04

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	99	99	71-134	0	0-14	

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received:	N/A
Work Order No:	04-03-0976
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-04-007-2,480	Solid	Mercury	03/17/04	040316L01	040316L01

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Mercury	0.835	0.855	102	82-124	

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received: N/A
Work Order No: 04-03-0976
Preparation: EPA 7470A Total
Method: EPA 7470A

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-04-008-1,426	Aqueous	Mercury	03/16/04	040316-L04	040316L04

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Mercury	0.0100	0.0105	105	90-122	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received: N/A
Work Order No: 04-03-0976
Preparation: EPA 3520B
Method: EPA 8081A/8082

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-015-1,247	Aqueous	GC 16	03/15/04	03/18/04	040315L10

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gamma-BHC	118	106	50-135	11	0-25	
Heptachlor	108	89	50-135	19	0-25	
Endosulfan I	112	106	50-135	6	0-25	
Dieldrin	126	115	50-135	9	0-25	
Endrin	111	104	50-135	6	0-25	
4,4'-DDT	119	110	50-135	8	0-25	
Aroclor-1260	128	121	50-135	6	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: EPA 5030B
Method: EPA 8260B

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 GW02-01	Aqueous	GC/MS L	N/A	03/17/04	040317S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	105	85-121	2	0-11	
Carbon Tetrachloride	120	115	70-142	4	0-16	
Chlorobenzene	105	104	84-120	1	0-10	
1,2-Dichlorobenzene	105	105	84-120	0	0-10	
1,1-Dichloroethene	112	110	78-138	1	0-16	
Toluene	106	104	86-122	2	0-11	
Trichloroethene	105	104	85-121	1	0-12	
Vinyl Chloride	104	102	71-131	2	0-19	
Methyl-t-Butyl Ether (MTBE)	112	112	68-128	0	0-16	
Tert-Butyl Alcohol (TBA)	131	147	25-157	11	0-35	
Diisopropyl Ether (DIPE)	103	101	76-124	2	0-12	
Ethyl-t-Butyl Ether (ETBE)	107	105	75-123	1	0-13	
Tert-Amyl-Methyl Ether (TAME)	109	109	72-120	0	0-12	
Ethanol	121	117	51-135	4	0-30	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received: N/A
Work Order No: 04-03-0976
Preparation: EPA 5030B
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-10,263	Aqueous	GC/MS L	N/A	03/17/04	040317L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	103	91-115	1	0-8	
Carbon Tetrachloride	115	115	77-143	0	0-10	
Chlorobenzene	100	101	88-118	0	0-7	
1,2-Dichlorobenzene	101	102	88-118	1	0-8	
1,1-Dichloroethene	118	123	85-133	4	0-11	
Toluene	102	102	83-125	0	0-10	
Trichloroethene	102	104	85-121	2	0-8	
Vinyl Chloride	102	101	76-130	1	0-10	
Methyl-t-Butyl Ether (MTBE)	109	109	83-119	0	0-12	
Tert-Butyl Alcohol (TBA)	132	138	47-149	4	0-22	
Diisopropyl Ether (DIPE)	100	100	82-118	0	0-10	
Ethyl-t-Butyl Ether (ETBE)	104	103	86-116	1	0-11	
Tert-Amyl-Methyl Ether (TAME)	104	106	81-117	2	0-9	
Ethanol	106	110	60-132	4	0-19	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Date Received: N/A
Work Order No: 04-03-0976
Preparation: EPA 3520B
Method: EPA 8270C

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-003-1,438	Aqueous	GC/MS P	03/17/04	03/22/04	040317L09

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	116	121	4-118	4	0-18	X
2-Chlorophenol	114	117	35-101	3	0-21	X
1,4-Dichlorobenzene	85	85	39-93	1	0-45	
N-Nitroso-di-n-propylamine	123	129	33-123	4	0-38	X
1,2,4-Trichlorobenzene	92	95	47-101	3	0-35	
4-Chloro-3-Methylphenol	125	136	0-295	8	0-30	
Acenaphthene	121	130	31-133	7	0-31	
4-Nitrophenol	169	185	1-143	9	0-44	X
2,4-Dinitrotoluene	116	126	16-166	9	0-49	
Pentachlorophenol	126	135	1-154	7	0-53	
Pyrene	148	163	15-159	10	0-47	X

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

CH2M Hill
3 Hutton Centre Drive, Suite 200
Santa Ana, CA 92707-8794

Date Received: 03/16/04
Work Order No: 04-03-0976
Preparation: EPA 3520B
Method: EPA 8270C

Project: Alamitos EPTC Parcel 3-4 / 182222.EP.02

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EPTC 3-4 GW02-01	Aqueous	GC/MS P	03/17/04	03/22/04	040317S09

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Phenol	71	71	12-151	0	0-23	
2-Chlorophenol	70	73	45-135	3	0-18	
1,4-Dichlorobenzene	39	40	36-118	3	0-26	
N-Nitroso-di-n-propylamine	79	77	52-128	3	0-13	
1,2,4-Trichlorobenzene	50	48	42-120	4	0-21	
4-Chloro-3-Methylphenol	79	86	20-150	9	0-40	
Acenaphthene	70	77	51-137	8	0-11	
4-Nitrophenol	113	124	20-150	9	0-40	
2,4-Dinitrotoluene	80	85	25-143	6	0-36	
Pentachlorophenol	87	89	20-150	3	0-40	
Pyrene	82	95	45-135	14	0-20	

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 04-03-0976

Qualifier	Definition
3	Spike or Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
J	Analyte was detected at a concentration below the reporting limit. Reported value is estimated.
ND	Not detected at indicated reporting limit.
X	% Recovery and/or RPD out-of-range.

calscience

CHAIN OF CUSTODY

0976

1 of 2

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel: (310) 618-8889 Fax #: (310) 618-0818
Email: info@emaxlabs.com

PO NUMBER: 900725
SAMPLE STORAGE:

EMAX CONTROL NO.
PROJECT CODE: 182222-EP-02

CLIENT: CH2MHILL
PROJECT: ALAMITOS EPTC PARCEL 3-4
COORDINATOR: PARTHA BORA
TEL: (714) 435-6181 FAX: (714) 424-2281 EMAIL: pbora@ch2m.com
SEND REPORT TO: Partha Bora & Sapna Abroi
COMPANY: CH2MHILL
ADDRESS: 3 HUTTON CTR DR. #200
SANTA ANA, CA
EMAX PM:

MATRIX CODE: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SD=Solid Waste, SL=Sludge, SS=Soil/Sediment, WI=Wipes, PO=Pure Product, AQ=Air, OT=

PRESERVATIVE CODE: IC=Ice, HC=HCl, HN=HNO3, ST=NaOH, ST=Na2S2O3, ZA=Zn Acetate, HS=H2SO4

ANALYSIS REQUIRED: METALS (17 CAM) EPA 6010/7470, VOCs - EPA 8260B, SVOCs - EPA 8270C, Pest - EPA 8081, PCBs - EPA 8082

TAT: ☐ Rush ____ hrs. ☐ Rush ____ days ☐ 7 days ☐ 14 days ☐ 21 days ☐ 30 days ☒ 5 days ☐

LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	SIZE	TYPE	MATRIX CODE	QC	HC	ST	COMMENTS
1	EPTC 3-4 GW 01-01		3/16/04	8:10	3	40mL	VOA			X		
8	"			8:25	1	1L					X	
2	EPTC 3-4 GW02-01	MS/MSD		9:15	3	40mL	VOA			X		
	"	↓		10:15	1	1L					X	
3	EPTC 3-4 GW03-01			1:20	3	40mL	VOA			X		
	"			1:40	1	1L					X	No Preservative
4	EPTC 3-4 GW 04-01			12:50	3	40mL	VOA			X		
	"			1:00	1	1L					X	No preservative
5	EPTC 3-4 GW 05-01			8:50	3	40mL	VOA			X		
	"			9:50	1	1L					X	

Instructions

Cooler #	Temp. (°C)	Sample #s

SAMPLER

RELINQUISHED BY	Date	Time	COURIER/AIRBILL	RECEIVED BY
[signature]	3/16	3:20		[signature]
[signature]	3-16-04	1558		[signature]

NOTICE: Turn-around-time (TAT) for samples shall not begin until all discrepancies have been resolved. For samples received and discrepancies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associated with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

GRAPHICS EXPRESS (800) 556-8295

0034

CALSCIENCE

CHAIN OF CUSTODY

0976

2 of 2

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: (310) 618-8889 Fax #: (310) 618-0818
Email: info@emaxlabs.com

PO NUMBER: 900725
SAMPLE STORAGE:

EMAX CONTROL NO. *
PROJECT CODE: 182222.EP.02

CLIENT: CH2MHILL
PROJECT: ALAMITOS EPTC PARCEL 3-4.
COORDINATOR: P. BORA
TEL: 714-435-6181 FAX: 714-434-2251
SEND REPORT TO: PARTHA BORA
COMPANY: CH2MHILL
ADDRESS: 3 HUTTON CENTRE DR
SANTA ANA, CA
EMAX PM:

MATRIX CODE	PRESERVATIVE CODE
DW=Drinking Water	IC=Ice
GW=Ground Water	HC=HCl
WW=Waste Water	HN=HNO3
SD=Solid Waste SL=Sludge	SH=NaOH
SS=Soil/Sediment	ST=Na2S2O3
WP=Wipes PP=Pure Products	ZA=Zinc Acetate
AR=Air	HS=H2SO4
O=	

ANALYSIS REQUIRED: METALS (17 CAM) | EPA 6010/7000 | VOC - EPA 8260B | SVOC - EPA 8270C | PEST - EPA 8081 | PCBs - EPA 8082

TAT:
- [ ] Rush ____ hrs.
- [ ] Rush ____ days
- [ ] 7 days
- [ ] 14 days
- [ ] 21 days
- [ ] 30 days
- [x] 5 days
- [ ]

LAB	SAMPLE ID / CLIENT	SAMPLING LOCATION	SAMPLING DATE	SAMPLING TIME	CONTAINER NO.	CONTAINER SIZE	CONTAINER TYPE	MATRIX CODE	QC	METALS (17 CAM)	EPA 6010/7000	VOC - EPA 8260B	SVOC - EPA 8270C	PEST - EPA 8081	PCBs - EPA 8082			COMMENTS
6	EPTC 3-4 BG01-01		3/16	2:35	1					X								
7	EPTC 3-4 BG-02-01		↓	2:35	1					↓								
8	EPTC 3-4 BG 03-01		↓	1:55	1					↓								
* 4	~~EPTC 3-4 BG-04-01~~		↓							↓								SA
9	EPTC 3-4 EB-02		3/16	11:15	5					X	~~X~~	X	X	X	X			
10	EPTC 3-4 TB-02	~~11:15~~	3/16	~~11:15~~														
* 7																		
* 8																		
* 9																		
* 0																		

Instructions

Cooler #	Temp. (°C)	Sample #s

SAMPLER

COURIER/AIRBILL

RELINQUISHED BY	Date	Time	RECEIVED BY
SABROL	3/16/04	3:20	[signature]
[signature]	3-16-04	1558	[signature]

NOTICE: Turn-around-time (TAT) for samples shall not begin until all discrepancies have been resolved. For samples received and discrepancies resolved after 1500 hrs. TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associated with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

GRAPHICS EXPRESS (626) 320-8565

0035

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
Sample Summary Report

WORK ORDER #: 04-03-0976 **QAPP:** 0000

#	Client Sample ID	Matrix	Date Collected	NoC	Comment
1	EPTC-3-4 GW01-01	W	03/16/2004	4	
2	EPTC-3-4 GW02-01	W	03/16/2004	8	RUN MS/MSD. (FOR 8270: RECEIVED 2X1LITER ONLY, USE 500ml FOR MS/MSD)
3	EPTC-3-4 GW03-01	W	03/16/2004	4	
4	EPTC-3-4 GW04-01	W	03/16/2004	4	
5	EPTC-3-4 GW05-01	W	03/16/2004	4	
6	EPTC-3-4 BG01-01	S	03/16/2004	1	
7	EPTC-3-4 BG02-01	S	03/16/2004	1	
8	EPTC-3-4 BG03-01	S	03/16/2004	1	
9	EPTC-3-4 EB-02	W	03/16/2004	5	
10	EPTC-3-4 TB-02	W	03/16/2004	2	

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 04 - 03 - 0976

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: CH2M Hill

DATE: 3-16-04

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

LABORATORY (Other than Calscience Courier):

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

4.2 °C Temperature blank.

Initial: WB

CUSTODY SEAL INTACT:

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

Initial: WB

SAMPLE CONDITION:

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

Initial: WB

COMMENTS:

~~(EPTC3-4-GW-02) NO EXTRA SAMPLE CONTAINERS RECEIVED FOR MS/MSD.~~

EPTC3-4-GW-02 received extra sample for MS/MSD not listed on COC.

(3 VOAs, 1 liter Amber w/ $Na_2S_2O_3$)