PHASE II
ENVIRONMENTAL SITE ASSESSMENT
SAN LEANDRO CROSSINGS
WESTERN PARCEL
SAN LEANDRO, CALIFORNIA

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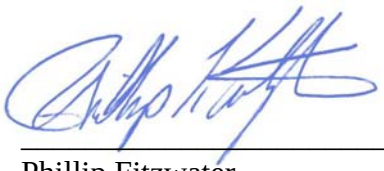
IRIS Job No. 08-616B

April 9, 2009

The information contained in this document entitled *Phase II Environmental Site Assessment, San Leandro Crossings, Western Parcel* prepared for the San Leandro Crossings Site at 1333 Martinez Street, San Leandro, California, dated April 9, 2009, has received appropriate oversight and technical review.



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1.0 Introduction

Iris Environmental has completed a Phase II Environmental Site Assessment (ESA) of a 5.27-acre wedge-shaped vacant dirt and grass lot located at 1333 Martinez Street in San Leandro, California (the Site). The Site is currently owned by Westlake Development Partners, LLC (Westlake). Westlake is considering constructing multi-family housing on the Site. The Phase II ESA results presented herein assess the environmental quality of soil gas, soil, and groundwater beneath the Site in anticipation of such development by Westlake.

Sampling of soil gas, soil, and groundwater at the Site was completed in a grid-like fashion across the Site, to provide a screening of the entire Site, and to identify potential environmental restrictions that may be encountered in the future. Analytical detection limits were specified so that results could eventually be compared to applicable environmental screening levels for residential development. The environmental screening levels utilized were California Human Health Screening Levels (CHHSLs) where they were available; and secondarily, Environmental Screening Levels (ESLs). The following sections describe details of the investigation and summarize findings.

The text portion of this Phase II ESA report is organized into four sections and is supplemented with eight tables, seven figures and three appendices. Section 1.0 introduces the goals of the investigation. Section 2.0 outlines the field procedures. Section 3.0 presents a summary of the results. Section 4.0 lists references. Table 1 presents a summary of sampling and analyses. Table 2 presents soil gas chemical test results. Tables 3 through 6 present soil chemical test results. Tables 7 and 8 present groundwater chemical test results. Figures 1 and 2 illustrate the Site and sampling locations. Figures 3 through 7 illustrate the geographic distribution of detections of various compounds. Appendix A presents a schematic diagram of a typical soil gas monitoring point. Appendix B presents the soil boring logs. Appendix C presents laboratory analytical data sheets.

2.0 Description of Investigation

The following section describes mobilization and field procedures for the subsurface investigation. Borings were advanced using direct push boring technology. Sampling was conducted by Iris Environmental from December 5 to December 8, 2008.

2.1 Mobilization for Field Work

2.1.1 Sampling and Analysis Plan

A sampling and analysis plan was created based on Iris Environmental's understanding of the Site's history and potential future development. Iris Environmental designed a sample location grid and sample analysis plan using draft architectural concept drawings, known areas of contamination, Site use history, and applicable environmental screening levels (CHHSLs and ESLs) at residential screening levels. Soil, groundwater and soil gas samples were proposed for seven locations across the Site, resulting in a sampling density of approximately one sampling location for every 0.75 acres. Sample locations were weighted towards the potential locations of future building footprints where possible, while still maintaining Site-wide grid-like coverage. Some sample locations were adjusted slightly during the sampling program to accommodate Site access issues or the presence of underground utilities. Figure 2 illustrates the sample locations as executed during the sampling program. One soil gas sample was proposed to be collected at each location from as close to 5 feet below ground surface (ft bgs) as possible. Four soil samples were proposed at each location, to be collected at 0.5 ft bgs, 3 ft bgs, 5 ft bgs, and 10 ft bgs, respectively. A grab groundwater sample was also proposed for each location, to be collected from the top of the shallowest aquifer at each location. Additionally, between two and four soil gas samples were proposed to be collected at 15 ft bgs at those locations which had the highest concentrations of compounds of concern (COCs) in the 5 ft bgs soil gas samples. All soil gas, soil, and grab groundwater samples were successfully collected at their respective target depths with the exception of the 15 ft bgs soil gas samples. Only one 15 ft bgs soil gas sample was able to be collected because on-Site soils were so tight at the locations attempted. The tight soils created vacuum conditions and precluded sampling. Table 1 provides a summary of sample depths and analyses as executed during the sampling program.

2.1.2 Permitting and Utility Locating

Various activities were conducted prior to the start of field work. Prior to beginning subsurface work, each boring location was also cleared for potential underground utilities by an independent utility survey subcontractor, ForeSite Engineering Surveys, Inc. of Pleasant Hill, California, under the oversight of Iris Environmental. Underground Service Alert (USA) was notified of planned investigation activities more than 48 hours prior to the start of drilling. Drilling permits were obtained from the Alameda County Public Works Agency (ACPWA). A health and safety plan was prepared for the Site and was readily available at all times during drilling activities.

2.2 Soil Gas Sampling

Soil gas samples were collected from a total of 7 locations in accordance with Department of Toxic Substances Control (DTSC) guidance as laid out in DTSC documents *Interim Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air*, 2005, and *Advisory – Active Soil Gas Investigation, 2003* (DTSC 2005 and DTSC 2003, respectively). As recommended in these DTSC guidance documents, soil gas samples were collected as close to 5 feet bgs as possible. At one location an additional sample was collected from 15 ft bgs. Table 1 presents a complete list of sampling depths and the corresponding analyses.

2.2.1 Detection Limits and Quality Control Sampling

To assess whether or not detection limits selected for this investigation would be adequate for future risk screening analyses, prior to the investigation Iris Environmental compared the proposed detection limits to new building residential California Human Health Screening Levels (CHHSLs) for soil gas as presented in *Human-Exposure-Based Screening Numbers Developed to Aid Estimation of Cleanup Costs for Contaminated Soil* prepared by the Integrated Risk Assessment Section of the California Environmental Protection Agency's Office of Environmental Health Hazard Assessment (OEHHA), dated November 2004 (January 2005 Revision), and to Environmental Screening Levels (ESLs) for shallow soil gas presented in *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* prepared by the San Francisco Region Water Quality Control Board (SFRWQCB), dated November 2007 and revised in May 2008. For compounds of potential concern without CHHSLs, Iris Environmental developed appropriate CHHSL- equivalent values, where possible, using the method outlined in that document.

In addition to determining appropriate targeted analytes and evaluating the proposed detection limits to ensure that they would be appropriate for future data analysis, various quality control samples were collected in the field and run by the laboratories to confirm that the samples were collected appropriately and that the data is representative of conditions at the Site. Soil gas duplicate samples were collected from approximately 10 percent of the samples for quality assurance and quality control of the United States Environmental Protection Agency (USEPA) Method 8260B. Duplicate samples are referenced in Table 2 with a "Dup" following the sample name. The soil gas sample duplicates were collected in Summa canisters for analysis by a fixed-based laboratory by USEPA Method TO-15. Detections noted in any duplicate samples are summarized along with other field data. In general, variations in detections between the primary and the duplicate sample are within the range of expected variations for the soil gas.

In addition to the field-based QA/QC samples, the mobile and fixed-based laboratories ran internal QA/QC samples as appropriate to the analyses that were being conducted during the analytical program.

2.2.2 Purge Volume Test

In conjunction with the sampling of the first location on December 5, 2008 in the manner described below, a purge volume test was conducted in accordance with the DTSC guidance documents noted in Section 2.2. The purge volume from the sample yielding the highest detected analytical results in the mobile laboratory analysis was selected as the appropriate number of volumes to be purged during subsequent sampling.

For this investigation, the purge test was conducted at location WP-7 in the southern portion of the Site. Samples were collected for analysis following the purging of one, three, and seven volumes of vapor from the sampling train. Each of these samples was analyzed in the mobile lab, and the sampling volume with the highest detected concentrations was selected as the appropriate purge volume for the Site. As shown in Table 2, the highest detected concentrations during the purge volume test were found following the purging of three volumes of soil gas.

2.2.3 Soil Gas Sampling Procedures

The following section describes the procedures used to collect the soil gas samples. Soil gas samples were collected for volatile organic compounds (VOCs) at an on-site mobile laboratory and an off-site fixed-base laboratory.

2.2.3.1 Sampling Point Installation

Soil gas sampling probes were advanced to the target depth using direct push technology. Once the total target depth at each location was achieved, the drilling equipment was retracted, leaving an open bore hole. Using a 1-inch polyvinylchloride (PVC) tremie pipe, 6-inches of clean annual sand pack (#3 Monterey sand) was placed at the bottom of the borehole followed by the placement of the sampling implant. The sampling implants were constructed with inert disposable Teflon™ tubing with an outer diameter of 0.25 inches and an attached microfilter sampling tip. Following installation of the sampling line, 6-inches of sand pack was placed in the borehole with the sand-pack centered around the sampling tip for a total of 1-foot of sand pack. One foot of dry granular bentonite was added to the boring, followed by hydrated granular bentonite to the surface. Hydrated bentonite was added to the borehole by placing water through the tremie pipe and simultaneously adding dry bentonite outside of the tremie pipe through the open borehole. Each sampling line was labeled and finished at the surface with in-line clamps. The boring locations were protected with traffic cones. A general schematic of the construction plan for the sampling points is shown on Figure A1 of Appendix A. To allow subsurface conditions to equilibrate, no further procedures were conducted for at least 30 minutes following the initial installation of a given sampling point.

Following the installation of the sampling point, the volume of the sampling train (the interior volume of the sample tubing plus the estimated annular space of the sand-pack) was calculated to determine the purge volume. Following equilibration, a syringe was used to purge three volumes of the sampling train (based on the results of the purge volume test). Immediately following purging, a soil gas sample was collected at each sampling point.

2.2.3.2 USEPA Method 8260B Sample Collection and On-Site Analysis

Drilling, soil gas sample collection, and sample analysis in the mobile laboratory for VOCs was conducted by Jones Environmental, Inc. (JE) of Fullerton, California under the oversight of an Iris Environmental geologist. JE used their on-site mobile laboratory to analyze the soil gas samples by USEPA Method 8260B.

Samples were collected for analysis by the on-site mobile laboratory into glass gas-tight syringes equipped with Teflon™ plungers for immediate analysis at the mobile laboratory. The flow rate during purging and sampling was moderated by the sampler to between 100 and 200 milliliters per minute (mL/min) to limit stripping of chemical compounds, to prevent ambient air from diluting the soil gas samples, and to reduce the variability of sampling rates. Syringes were sterilized in an autoclave after the collection of each sample to prevent cross-contamination between samples. Other sampling equipment that had the potential to come into contact with the soil gas (such as the Teflon tubing) was used once at each sampling location and properly discarded. Reusable sampling equipment such as direct-push drive rods and soil samplers, were decontaminated between borings using an Alconox™ wash solution and potable water rinse.

2.2.3.3 USEPA Method TO-15 Sample Collection and Off-Site Analysis

In addition to the collection of soil gas samples for on-Site analysis by USEPA Method 8260B, one sample was collected using a Summa canister for analysis for VOCs and by USEPA Method TO-15. This sample was submitted to Air Toxics Ltd. of Folsom, California. The Summa canister was topped with a dedicated flow controller and an integral 0.7 micron filter was attached to the purged sampling train using Teflon™ tubing and Swagelok™ connectors. During sample collection, the sampling flow rate was modulated by the flow controller to between 100 and 200 mL/min to limit stripping, prevent ambient air from diluting the soil gas samples, and to reduce the variability of purging rates. The soil gas sample was collected into a 1-liter Summa canister that was allowed to fill to a vacuum pressure just below ambient conditions.

Upon completion of the sampling, as determined when the Summa canister reached the target negative vacuum pressure (approximately -5 millimeters of mercury), the Summa canister was sealed and the flow controller was removed and set aside. The Summa canister was then labeled and shipped under chain-of-custody protocols to AirToxics, Ltd. The Summa canister was transported at ambient temperature. The soil gas sample in the Summa canister was analyzed by the laboratory for VOCs by USEPA Method TO-15.

2.2.3.4 Leak Detection Testing

During all sampling events, a leak detection gas (n-propanol) was used to saturate a rag inside a Ziploc bag, which was then placed over the ground surface at the borehole as a leak detection compound to confirm that the sample train and surface seal were tight and leak free. This leak check test was conducted in accordance with DTSC guidance

documents, and was conducted at each individual soil gas sampling location. Analysis for n-propanol was conducted by the mobile laboratory using USEPA Method 8260B. The leak check compound was not detected in any samples above the detection limit during this investigation. The results of the chemical analyses are summarized in Section 3.0.

2.3 Soil Sampling

2.3.1 Soil Sampling Procedures

Soil samples were collected using a direct push drill rig advancing Geoprobe®-type drill rods. Drilling activities for soil and groundwater sampling were conducted by RSI Drilling (RSI) of Woodland, California, a C-57 licensed drilling company working directly under the oversight of Iris Environmental. Throughout the drilling activities, an Iris Environmental geologist was present to obtain samples of subsurface materials, take notes on subsurface lithology, make observations of the work area conditions, conduct health and safety monitoring for the possible presence of organic vapors during drilling, screen and log soil samples, and provide technical assistance as required. "Macro-core" (1.75-inch internal diameter) rods were used to obtain enough soil volume for all analyses. Soil samples were retained within the sample barrel in new disposable acetate liners, which served as soil sample tubes. Six-inch lengths of acetate tubes were cut from as near to the target depth as possible.

Prior to mobilization of the equipment, the drill rigs, drill pipe, sampling equipment, and other associated equipment were cleaned with a high pressure steam cleaner to remove any oil, grease, mud or other foreign matter. Sampling equipment was cleaned between each boring location to reduce the potential for cross-contamination between borings.

Following the collection of groundwater samples, boreholes were grouted to the surface in accordance with regional guidelines.

2.3.2 Soil Sample Collection

Four soil samples were collected from each sample location. Samples were collected from 0.5 ft bgs, 3 ft bgs, 5 ft bgs, and 10 ft bgs at all sample locations. Depending on the depth they were collected from, soil samples were analyzed for one or more of the following: total petroleum hydrocarbons in the diesel and motor oil ranges (TPH-d/mo) by USEPA Method 8015M, polynuclear aromatic hydrocarbons (PAHs) by USEPA Method 8270 – SIM, Priority Pollutant metals by USEPA Method 6010B/71471A, and asbestos by Polarized Light Microscopy (PLM) using USEPA Method 600/R-93-116 and 9310. A summary of sample depths and analyses is presented in Table 1.

All samples were placed in iced coolers immediately after collection. Samples were transported under chain-of-custody protocol to Curtis & Tompkins Laboratory, a California-certified laboratory located in Berkeley, California.
The results of the chemical analyses are summarized in Section 3.0.

2.4 Groundwater Sampling

A grab groundwater sample was collected at each of the sampling locations. Depth to groundwater at the Site was between 24 ft bgs and 28 ft bgs. For collecting groundwater samples, borings were advanced to between 32 ft bgs and 40 ft bgs, and a temporary 1-inch PVC well screen and casing were emplaced in each well. Each well was screened for a total of 10 feet, with blank casing occasionally inserted below the screened casing as necessary to ensure that the screened section of the well extended above the groundwater table. Grab groundwater samples were collected from these temporary well points using disposable Teflon™ tubing and a peristaltic pump and decanted into appropriate sample containers. Analyses included VOCs by USEPA Method 8260B, TPH-d/mo by USEPA Method 8015 and total petroleum hydrocarbons in the gasoline range (TPH-g), benzene, toluene, ethylbenzene and xylenes (BTEX), and methyl-tert-butyl-ether (MTBE) by USEPA Method 8021. A summary of analyses is presented in Table 1.

Groundwater samples were labeled and placed in an iced cooler. Samples were transported under chain-of-custody protocol to Curtis & Tompkins Laboratory, a California-certified laboratory located in Berkeley, California. The results of the chemical analyses are summarized in Section 3.0.

2.5 Subsurface Geology

Soil cores not submitted for chemical analyses were classified by an Iris Environmental geologist according to the Unified Soil Classification System, and colors were identified using the Munsell color chart. Logs of subsurface geology were maintained for all borings and are provided in Appendix B.

3.0 Results

Site soils consisted primarily of sandy clays and clayey sands. The percentage of fines was generally greatest between 5 ft bgs and 20 ft bgs, where consistent clays were encountered. Logs of subsurface geology are provided in Appendix B.

Soil gas, soil, and groundwater samples collected during this investigation were analyzed for various chemical compounds as shown in Table 1. The results of the chemical analyses are summarized below and presented in Tables 2 through 8. Laboratory analytical data sheets are provided in Appendix C.

3.1 Results of Soil Gas Chemical Analysis

A total of eight primary soil gas samples were collected and submitted for analysis. An additional three samples, either duplicates or purge volume tests, were also collected for quality control purposes. Soil gas target depths were 5 ft bgs and 15 ft bgs. Table 2 presents analytical results for soil gas samples. Detections of VOCs in soil gas are presented graphically on Figure 3.

3.1.1 VOCs in Soil Gas

As previously described in Section 2.0, soil gas VOCs were analyzed by two methods; USEPA Method 8260B and TO-15. The highest concentration measured at a given location, by either USEPA Method, was used for all evaluations and figures in this report. One or more VOCs were detected at four of the seven locations sampled.

Tetrachloroethylene (PCE) was detected at two locations at a minimum concentration of 257 micrograms per cubic meter ($\mu g/m^3$) and a maximum concentration of 500 $\mu g/m^3$.

Complete soil gas analytical results are presented in Table 2. Detections of VOCs are presented graphically on Figure 3.

3.1.2 Summary of Data Quality

According to a review of the documentation provided by the laboratory, during this investigation, all laboratory analyses for soil gas were performed by JE and Air Toxics Ltd. in accordance with the analyses specified in the chain-of-custody (COC). All method-specific and laboratory quality control (QC) criteria were met. Relative percent differences (PRDs) for analytes detected in both the primary and duplicate sample were approximately 15%, well within typical RPDs for soil gas samples.

3.2 Results of Soil Chemical Analysis

Four soil samples were collected from each sample location at various depths as described in Section 2.0 and submitted for analysis of TPH-d/mo by USEPA Method 8015B, Priority Pollutant metals by USEPA Methods 6010B and 7471A, PAHs by USEPA Method 8270-SIM, and asbestos by Polarized Light Microscopy (PLM) using USEPA Method 600/R-93-116 and 9310. Sample analyses are summarized in Table 1. Tables 3 through 6 present analytical results for soil chemical testing.

3.2.1 TPH in Soil

Twenty-one soil samples from seven sample locations were submitted for analysis of TPH-d/mo by USEPA Method 8015B. The 3-ft bgs, 5-ft bgs, and 10-ft bgs samples from each boring were all analyzed for TPH-d/mo. TPH in the diesel range was detected in 12 samples from seven distinct sample locations at concentrations ranging from 1.1 milligrams per kilogram (mg/kg) to 8,900 mg/kg. TPH in the motor oil range was detected in six samples from three distinct sample locations at concentrations ranging from 5.2 mg/kg to 5,100 mg/kg. TPH results are presented in Table 3 and in Figure 4.

3.2.2 PAH in Soil

Six soil samples from three sample locations were submitted for analysis of polynuclear aromatic hydrocarbons (PAHs) by USEPA Method 8270-SIM. The 0.5-ft bgs and the 3-ft bgs samples from locations WP-1, WP-4 and WP-7 were analyzed for PAHs. PAHs were detected in one sample from one distinct sample locations at concentrations ranging from 6.2 micrograms per kilogram (µg/kg) to 76 µg/kg. PAH results are presented in Table 4 and Figure 5.

3.2.3 Metals in Soil

Fourteen soil samples from seven sample locations were submitted for analysis of Priority Pollutant metals by USEPA Methods 6010B and 7471A. The 0.5 ft bgs and 3-ft bgs samples from each boring were all analyzed for metals. As is expected in native soils various metals were detected in all of the tested soil samples. All metals on the Priority Pollutant list were detected in one or more samples with the exception of silver and thallium. Metals detected in soils did not appear to be elevated above what would be expected in local native soils. Metals results are presented in Table 5.

3.2.4 Asbestos in Soil

Fourteen soil samples from seven sample locations were submitted for analysis of asbestos by Polarized Light Microscopy (PLM) using USEPA Method 600/R-93-116 and 9310. The 0.5 ft bgs and 3-ft bgs samples from each boring were all analyzed for asbestos. Asbestos was not detected in any soil samples. Asbestos results are presented in Table 6.

3.2.5 Summary of Data Quality

During this investigation, all laboratory analyses for soil were performed by Curtis and Tompkins, Ltd. of Berkeley, California, and Forensic Analytical of Hayward, California. According to a review of the documentation provided by the laboratories, all laboratory analyses for soil were performed in accordance with the analyses specified in the COC for each soil sample. All method-specific and laboratory QC criteria were met.

3.3 Results of Groundwater Chemical Analysis

A total of seven groundwater samples were collected and submitted for analysis for VOCs by USEPA Method 8260B, TPH-d/mo by USEPA Method 8015 and TPH-g,

BTEX, and MTBE by USEPA Method 8021. One groundwater sample was collected from each location as specified in Section 2.0. All samples were collected from the top of the shallowest aquifer under the Site, generally from between 22 ft and 28 ft bgs. Tables 7 and 8 present analytical results for each sample. Detections of VOCs, TPHs, BTEX and MTBE are presented graphically on Figures 6 and 7.

3.3.1 VOCs in Groundwater

One or more VOCs were detected in samples from six of the seven groundwater samples. Chlorinated solvents, including PCE, trichloroethylene (TCE), and associated breakdown products, were concentrated in the northern portion of the Site likely associated with an off-site groundwater VOC plume. PCE was detected in five samples at four locations at a minimum concentration of 3.6 micrograms per liter (µg/L) and a maximum concentration of 38 µg/L. TCE was detected in two samples at one location at concentrations of 2.6 µg/L and 3.4 µg/L. Cis-1,2-dichloroethene was detected in two samples at one location at concentrations of 3.4 µg/L and 3.7 µg/L. n-butylbenzene was detected in two locations at concentrations of 5.2 µg/L and 5.3 µg/L. 1,2,4-Trimethylbenzene was detected in one location at a concentration of 19 µg/L. 1,3,5-Trimethylbenzene was detected in one location at a concentration of 4.8 µg/L. Ethylbenzene was detected in one location at a concentration of 6 µg/L. Isopropylbenzene was detected in one location at a concentration of 2.9 µg/L. m,p-Xylenes were detected in one location at a concentration of 6.3 µg/L. Propylbenzene was detected in one location at a concentration of 11 µg/L. No other VOCs were detected in groundwater samples during the course of this investigation. VOC results are presented in Table 7, and graphically on Figure 6.

3.3.2 TPH, BTEX and MTBE in Groundwater

Seven groundwater samples from seven sampling locations were submitted for analysis of TPH-d/mo by USEPA Method 8015 and TPH-g, BTEX, and MTBE by USEPA Method 8021. Prior to their analysis by USEPA Methods 8015 and 8021, groundwater samples underwent the Zemo gravity separation procedure at the laboratory. The Zemo method increases the likelihood that only dissolved phase contaminants are reported by allowing solids to settle out of the sample prior to analysis. Two samples had detections of TPH-d, at concentrations of 21,000 µg/L and 480 µg/L. One sample had a detection of TPH-mo, at a concentration of 11,000 µg/L. Two samples had detections of TPH-g, at concentrations of 2,800 µg/L and 920 µg/L. Two primary samples and one duplicate sample had detections of MTBE, at a minimum concentration of 2.2 µg/L and a maximum concentration of 16 µg/L. Two samples had detections of toluene, at concentrations of 2 µg/L and 2.8 µg/L. One sample had a detection of ethylbenzene at a concentration of 11 µg/L. One sample had a detection of m,p-xylenes at a concentration of 11 µg/L. Two samples had detections of o-xylene, at concentrations of 5.3 µg/L and 13 µg/L. No other TPH products were detected in any groundwater samples during the course of this investigation. TPH, BTEX and MTBE results are presented in Table 8, and graphically on Figure 7.

3.3.3 Summary of Data Quality

During this investigation, all laboratory analyses for groundwater were performed by Curtis and Tompkins, Ltd. of Berkeley, California. According to a review of the documentation provided by the laboratory, all laboratory analyses for groundwater were performed in accordance with the analyses specified in the COC for each groundwater sample. In general, all method-specific and laboratory QC criteria were met; exceptions are discussed here.

High surrogate recovery was observed for trifluorotoluene (PID) and bromofluorobenzene (PID) in the sample WP-6-GW. According to the laboratory the elevated surrogate recoveries were likely due to interference from coeluting hydrocarbon peaks.

In summary, none of the data has been qualified as rejected data because of not meeting method-specific and/or laboratory QC criteria.

4.0 References

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TABLE 1 - SUMMARY OF SAMPLING AND ANALYTICAL TESTING
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

		Soil Gas Analyses	Soil Analyses				Groundwater Analyses [9]	
Sample Location	**Sample Depths [1]**	**VOCs [2]**	**Metals [3]**	**Asbestos [4]**	**TPH-d/mo[5]**	**PAHs [6]**	**VOCs [7]**	**TPH-g/d/mo, BTEX, MTBE [8]**
WP-1	0.5		X	X		X	X	X
	3		X	X	X	X		
	5	X			X			
	10				X			
WP-2	0.5		X	X			X	X
	3		X	X	X			
	5	X			X			
	10				X			
WP-3	0.5		X	X			X	X
	3		X	X	X			
	5	X			X			
	10				X			
WP-4	0.5		X	X		X	X	X
	3		X	X	X	X		
	5	X			X			
	10				X			
WP-5	0.5		X	X			X	X
	3		X	X	X			
	5	X			X			
	10				X			
WP-6	0.5		X	X			X	X
	3		X	X	X			
	5	X			X			
	10				X			
WP-7	0.5		X	X		X	X	X
	3		X	X	X	X		
	5	X*			X			
	10				X			
	15	X						

Notes:

(1) Sample depths indicated in approximate feet below ground surface (ft bgs).

(2) "VOCs" indicates volatile organic compounds by USEPA Method 8260B in a mobile laboratory. 10% of samples (designated with *) were also analyzed for VOCs by USEPA Method TO-15 as a quality control measure.

(3) "Metals" indicates Priority Pollutant metals by USEPA Methods 6010B and 7471A.

(4) "Asbestos" indicates asbestos by Polarized Light Microscopy (PLM) using USEPA Method 600/R-93-116 and 9310.

(5) "TPH-d/mo" indicates total petroleum hydrocarbons in the diesel and motor oil ranges by USEPA Method 8015.

(6) "PAHs" indicates polynuclear aromatic hydrocarbons by USEPA Method 8270 - SIM.

(7) "VOCs" indicates volatile organic compounds by USEPA Method 8260B.

(8) "TPH-g/d/mo, BTEX and MTBE" indicates total petroleum hydrocarbons in the diesel and motor oil ranges by USEPA Method 8015 and total petroleum hydrocarbons in the gasoline range, benzene, toluene, ethylbenzene and xylenes (BTEX), and methyl-tert-butyl-ether (MTBE) by USEPA Method 8021.

(9) Grab Groundwater samples were collected at first depth encountered, approximately 27 ft bgs.

"X" indicates sample was collected and analyzed for the analyses listed.

TABLE 2: SOIL GAS CHEMICAL TEST RESULTS – VOLATILE ORGANIC COMPOUNDS
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

SAMPLE ID	WP-1	WP-2	WP-3	WP-4	WP-5	WP-6	WP-7-PV1	WP-7-PV3	WP-7-PV7	WP-7-Dup	WP-7
DATE	12/5/08	12/5/08	12/5/08	12/5/08	12/5/08	12/5/08	12/5/08	12/5/08	12/5/08	12/5/08	12/5/08
MATRIX	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
METHOD (1)	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	TO-15	8260B
DEPTH (2)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	15.0
UNITS	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
1,1,1,2-Tetrachloroethane	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
1,1,1-Trichloroethane	<8	<8	<8	<8	<8	<8	<8	<8	<8	<6.2	<8
1,1,2,2-Tetrachloroethane	<8	<8	<8	<8	<8	<8	<8	<8	<8	<7.9	<8
1,1,2-Trichloroethane	<8	<8	<8	<8	<8	<8	<8	<8	<8	<6.2	<8
1,1-Dichloroethane	<8	<8	<8	<8	<8	<8	<8	<8	<8	<4.6	<8
1,1-Dichloroethene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<4.5	<8
1,1-Dichloropropene	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
1,2,3-Trichlorobenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
1,2,3-Trichloropropane	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
1,2,4-Trichlorobenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<34	<8
1,2,4-Trimethylbenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<5.6	<8
1,2-Dibromo-3-chloropropane	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
1,2-Dibromoethane (EDB)	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8.8	<8
1,2-Dichlorobenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<6.9	<8
1,2-Dichloroethane	<8	<8	<8	<8	<8	<8	<8	<8	<8	<4.6	<8
1,2-Dichloropropane	<8	<8	<8	<8	<8	<8	<8	<8	<8	<5.3	<8
1,3,5-Trimethylbenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<5.6	<8
1,3-Butadiene	--	--	--	--	--	--	--	--	--	<2.5	--
1,3-Dichlorobenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<6.9	<8
1,3-Dichloropropane	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
1,4-Dichlorobenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<6.9	<8
1,4-Dioxane	--	--	--	--	--	--	--	--	--	<16	--
2,2,4-Trimethylpentane	--	--	--	--	--	--	--	--	--	<5.3	--
2,2-Dichloropropane	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
2-Butanone (Methyl Ethyl Ketone)	--	--	--	--	--	--	--	--	--	<3.4	--
2-Chlorotoluene	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
2-Hexanone	--	--	--	--	--	--	--	--	--	<19	--
2-Propanol	--	--	--	--	--	--	--	--	--	<11	--
3-Chloropropene	--	--	--	--	--	--	--	--	--	<14	--
4-Chlorotoluene	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
4-Ethyltoluene	--	--	--	--	--	--	--	--	--	<5.6	--
4-Isopropyltoluene	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
4-Methyl-2-pentanone	--	--	--	--	--	--	--	--	--	<4.7	--
Acetone	--	--	--	--	--	--	--	--	--	**20**	--
alpha-Chlorotoluene	--	--	--	--	--	--	--	--	--	<5.9	--
Benzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<3.6	<8
Bromobenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
Bromodichloromethane	<8	<8	<8	<8	<8	<8	<8	<8	<8	<7.7	<8
Bromoform	<8	<8	<8	<8	<8	<8	<8	<8	<8	<12	<8
Bromomethane	--	--	--	--	--	--	--	--	--	<4.4	--
Carbon Disulfide	--	--	--	--	--	--	--	--	--	<3.6	--
Carbon tetrachloride	<8	<8	<8	<8	<8	<8	<8	<8	<8	<7.2	<8
Chlorobenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<5.3	<8
Chloroethane	<8	<8	<8	<8	<8	<8	<8	<8	<8	<3.0	<8
Chloroform	<8	<8	<8	<8	<8	<8	<8	<8	<8	<5.6	<8
Chloromethane	<8	<8	<8	<8	<8	<8	<8	<8	<8	<9.4	<8
cis-1,2-Dichloroethene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<4.5	<8
cis-1,3-Dichloropropene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<5.2	<8
Cumene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<5.6	<8
Cyclohexane	--	--	--	--	--	--	--	--	--	<3.9	--
Dibromochloromethane	<8	<8	<8	<8	<8	<8	<8	<8	<8	<9.8	<8
Dibromomethane	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
Diisopropyl ether	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
Ethanol	--	--	--	--	--	--	--	--	--	<8.6	--
Ethylbenzene	<8	<8	<8	<8	<8	**17**	<8	<8	<8	<5.0	<8
Ethyl-tert-butyl ether	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
Freon 11	<8	<8	<8	<8	<8	<8	<8	<8	<8	<6.4	<8
Freon 113	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8.8	<8
Freon 114	--	--	--	--	--	--	--	--	--	<8.0	--
Freon 12	<8	<8	<8	<8	<8	<8	<8	<8	<8	<5.7	<8
Gasoline	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	--	**1350**
Heptane	--	--	--	--	--	--	--	--	--	<4.7	--
Hexachlorobutadiene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<49	<8
Hexane	--	--	--	--	--	--	--	--	--	<4.0	--
m,p-Xylene	--	--	--	--	--	--	--	--	--	**6.7**	--
Methyl tert-butyl ether	<8	<8	<8	<8	<8	<8	<8	<8	<8	<4.1	<8
Methylene chloride	<8	<8	<8	<8	<8	<8	<8	<8	<8	<4.0	<8
Naphthalene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<24	<8
n-Butylbenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
n-Propanol	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
o-Xylene	--	--	--	--	--	--	--	--	--	<5.0	--
n-Propylbenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<5.6	<8
sec-Butylbenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
Styrene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<4.9	<8
tert-amylmethylether	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
tert-Butylalcohol	<35	<35	<35	<35	<35	<35	<35	<35	<35	--	<35
tert-Butylbenzene	<8	<8	<8	<8	<8	<8	<8	<8	<8	--	<8
Tetrachloroethylene	<8	**257**	<8	<8	<8	<8	**328**	**431**	**367**	**500**	**83**
Tetrahydrofuran	--	--	--	--	--	--	--	--	--	<3.4	--
Toluene	<8	<8	<8	<8	**208**	**172**	<8	<8	<8	**16**	**97**
trans-1,2-Dichloroethene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<4.5	<8
trans-1,3-Dichloropropene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<5.2	<8
Trichloroethylene	<8	<8	<8	<8	<8	<8	<8	<8	<8	<6.2	<8
Vinyl chloride	<8	<8	<8	<8	<8	<8	<8	<8	<8	<2.9	<8
Xylenes (total)	<8	<8	<8	<8	**258**	**267**	<8	<8	<8	--	**225**

Notes:
µg/m^3 = micrograms per cubic meter.
< = Analyte was not detected at a level above the noted detection limit shown.
(1) 8260B indicates volatile organic compounds by USEPA Method 8260B. TO-15 indicates volatile organic compouds by USEPA Method TO-15 Modified.
(2) Sample depth shown in feet below ground surface (bgs).
-- = Analyte not tested.

TABLE 3: SOIL CHEMICAL TEST RESULTS – TOTAL PETROLEUM HYDROCARBONS
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

SAMPLE ID	WP-1	WP-1	WP-1	WP-2	WP-2	WP-2	WP-3	WP-3	WP-3	WP-4	WP-4	WP-4	WP-5	WP-5	WP-5
DATE	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
METHOD (1)	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B
DEPTH (2)	3.0	5.0	10.0	2.5	5.0	10.0	3.0	5.0	10.0	3.0	5.0	10.0	3.0	5.0	10.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Diesel C10-C24	**1.5 Y**	<1	**2.1 Y**	<0.99	**1.1 Y**	**1.5 Y**	**2100 Y**	**18 Y**	**1.3 Y**	<1	<1	**1.1 Y**	**8900**	**8700**	**2400**
Motor Oil C24-C36	<5	<5	<5	<5	<5	<5	**5100**	**81**	<5	**5.2 Y**	<5	<5	**4500**	**4300**	**1200**

Notes:
mg/kg = millograms per kilogram.
< = Analyte was not detected at a level above the noted detection limit.
Y= Sample exhibits chromatographic pattern which does not resemble standard.
(1) 8015B indicates total petroleum hydrocarbons by USEPA Method 8015B.
(2) Sample collected in a 6-inch interval beginning at the depth noted in feet below ground surface.

TABLE 3: SOIL CHEMICAL TEST RESULTS – TOTAL PETROLEUM HYDROCARBONS
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

SAMPLE ID	WP-6	WP-6	WP-6	WP-7	WP-7	WP-7
DATE	12/6/08	12/6/08	12/6/08	12/6/08	12/6/08	12/6/08
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil
METHOD (1)	8015B	8015B	8015B	8015B	8015B	8015B
DEPTH (2)	3.0	5.0	10.0	3.0	5.0	9.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Diesel C10-C24	<1	**1.5 Y**	<1	<1	<1	<0.99
Motor Oil C24-C36	<5	<5	<5	<5	<5	<5

Notes:
mg/kg = millograms per kilogram.
< = Analyte was not detected at a level above the noted detection limit.
Y= Sample exhibits chromatographic pattern which does not resemble standard.
(1) 8015B indicates total petroleum hydrocarbons by USEPA Method 8015B.
(2) Sample collected in a 6-inch interval beginning at the depth noted in feet below ground surface.

TABLE 4: SOIL CHEMICAL TEST RESULTS – POLYNUCLEAR AROMATIC HYDROCARBONS
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

SAMPLE ID	WP-1	WP-1	WP-4	WP-4	WP-7	WP-7
DATE	12/8/08	12/8/08	12/8/08	12/8/08	12/6/08	12/6/08
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil
METHOD (1)	8270C	8270C	8270C	8270C	8270C	8270C
DEPTH (2)	0.5	3.0	0.5	3.0	0.5	3.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Acenaphthene	<5	<5	<5	<5	<5	<5
Acenaphthylene	<5	<5	**6.2**	<5	<5	<5
Anthracene	<5	<5	**7.4**	<5	<5	<5
Benzo(a)anthracene	<5	<5	**36**	<5	<5	<5
Benzo(a)pyrene	<5	<5	**40**	<5	<5	<5
Benzo(b)fluoranthene	<5	<5	**76**	<5	<5	<5
Benzo(g,h,i)perylene	<5	<5	**8.6**	<5	<5	<5
Benzo(k)fluoranthene	<5	<5	**23**	<5	<5	<5
Chrysene	<5	<5	**38**	<5	<5	<5
Dibenz(a,h)anthracene	<5	<5	<5	<5	<5	<5
Fluoranthene	<5	<5	**44**	<5	<5	<5
Fluorene	<5	<5	<5	<5	<5	<5
Indeno(1,2,3-cd)pyrene	<5	<5	**7.2**	<5	<5	<5
Naphthalene	<5	<5	<5	<5	<5	<5
Phenanthrene	<5	<5	**9.8**	<5	<5	<5
Pyrene	<5	<5	**46**	<5	<5	<5

Notes:
µg/kg = micrograms per kilogram.
< = Analyte was not detected at a level above the noted detection limit.
(1) 8270C indicates semiovolatile organics by USEPA 8270C-SIM low level.
(2) Sample collected in a 6-inch interval beginning at the depth noted in feet below ground surface.

TABLE 5: SOIL CHEMICAL TEST RESULTS – METALS
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

SAMPLE ID	WP-1	WP-1	WP-2	WP-2	WP-3	WP-3	WP-4	WP-4
DATE	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
METHOD (1)	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
DEPTH (2)	0.5	3.0	0.5	2.5	0.5	3.0	0.5	3.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	<0.5	<0.5	<0.5	<0.5	<0.5	**1.2**	<0.5	<0.5
Arsenic	**2.1**	**4.4**	**2.5**	**2.3**	**4.3**	**4.9**	**1.2**	**3.9**
Beryllium	**0.38**	**0.28**	**0.21**	**0.31**	**0.32**	**0.27**	**0.35**	**0.5**
Cadmium	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	**0.37**
Chromium	**13**	**2.3**	**13**	**3.6**	**3.4**	**6**	**6.8**	**38**
Copper	**18**	**5.7**	**5.9**	**15**	**32**	**34**	**20**	**36**
Lead	**4.8**	**3**	**4.7**	**2.9**	**4.4**	**29**	**3.4**	**65**
Mercury	**0.03**	**0.041**	**0.031**	**0.077**	**0.1**	**0.15**	**0.13**	**0.19**
Nickel	**15**	**5.2**	**15**	**6.8**	**5.1**	**4.9**	**6.5**	**38**
Selenium	<0.5	**1.8**	<0.5	<0.5	**2.4**	**2.5**	<0.5	<0.5
Silver	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Thallium	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Zinc	**61**	**67**	**34**	**60**	**73**	**66**	**63**	**150**

Notes:
mg/kg = millograms per kilogram
< = Analyte was not detected at a level above the noted detection limit.
(1) 6010B/7471A indicates Priority Pollutant Metals by USEPA 6010B/7471A.
(2) Sample collected in a 6-inch interval beginning at the depth noted in feet below ground surface.

TABLE 5: SOIL CHEMICAL TEST RESULTS – METALS
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

SAMPLE ID	WP-5	WP-5	WP-6	WP-6	WP-7	WP-7
DATE	12/8/08	12/8/08	12/6/08	12/6/08	12/6/08	12/6/08
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil
METHOD (1)	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A	6010B/7471A
DEPTH (2)	0.5	3.0	0.5	3.0	0.5	3.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	<0.5	<0.5	<0.5	<0.5	<0.5	**0.89**
Arsenic	**2.9**	**3**	**6.8**	**3.4**	**3.4**	**3.2**
Beryllium	**0.47**	**0.4**	**0.41**	**0.35**	**0.35**	**0.33**
Cadmium	**0.39**	<0.25	**0.29**	<0.25	**0.35**	**0.26**
Chromium	**39**	**36**	**23**	**33**	**29**	**30**
Copper	**22**	**19**	**23**	**24**	**12**	**11**
Lead	**16**	**20**	**24**	**18**	**9.5**	**5.2**
Mercury	**0.055**	**0.059**	**0.74**	**0.094**	**0.12**	**0.043**
Nickel	**53**	**47**	**23**	**41**	**34**	**37**
Selenium	**1.5**	<0.5	<0.5	<0.5	**1.4**	<0.5
Silver	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Thallium	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Zinc	**120**	**65**	**94**	**56**	**41**	**37**

Notes:
mg/kg = millograms per kilogram
< = Analyte was not detected at a level above the noted detection limit.
(1) 6010B/7471A indicates Priority Pollutant Metals by USEPA 6010B/7471A.
(2) Sample collected in a 6-inch interval beginning at the depth noted in feet below ground surface.

TABLE 6: SOIL CHEMICAL TEST RESULTS – ASBESTOS
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

SAMPLE ID	WP-1	WP-1	WP-2	WP-2	WP-3	WP-3	WP-4	WP-4
DATE	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
METHOD (1)	PLM	PLM	PLM	PLM	PLM	PLM	PLM	PLM
DEPTH (2)	0.5	3.0	0.5	2.5	0.5	3.0	0.5	3.0
UNITS	%	%	%	%	%	%	%	%
Asbestos	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
ND = Asbestos not detected in sample.
(1) PLM = polarized light microscopy and indicates asbestos by USEPA Method 600/R-93-116, Visual Area Estimation.
(2) Sample collected in a 6-inch interval beginning at the depth noted in feet below ground surface.
(3) Asbestos is reported as percent by volume.

TABLE 6: SOIL CHEMICAL TEST RESULTS – ASBESTOS
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

SAMPLE ID	WP-5	WP-5	WP-6	WP-6	WP-7	WP-7
DATE	12/8/08	12/8/08	12/6/08	12/6/08	12/6/08	12/6/08
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil
METHOD (1)	PLM	PLM	PLM	PLM	PLM	PLM
DEPTH (2)	0.5	3.0	0.5	3.0	0.5	3.0
UNITS	%	%	%	%	%	%
Asbestos	ND	ND	ND	ND	ND	ND

Notes:
ND = Asbestos not detected in sample.
(1) PLM = polarized light microscopy and indicates asbestos by USEPA Method 600/R-93-116, Visual Area Estimation.
(2) Sample collected in a 6-inch interval beginning at the depth noted in feet below ground surface.
(3) Asbestos is reported as percent by volume.

TABLE 7: GROUNDWATER CHEMICAL TEST RESULTS – VOLATILE ORGANIC COMPOUNDS
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

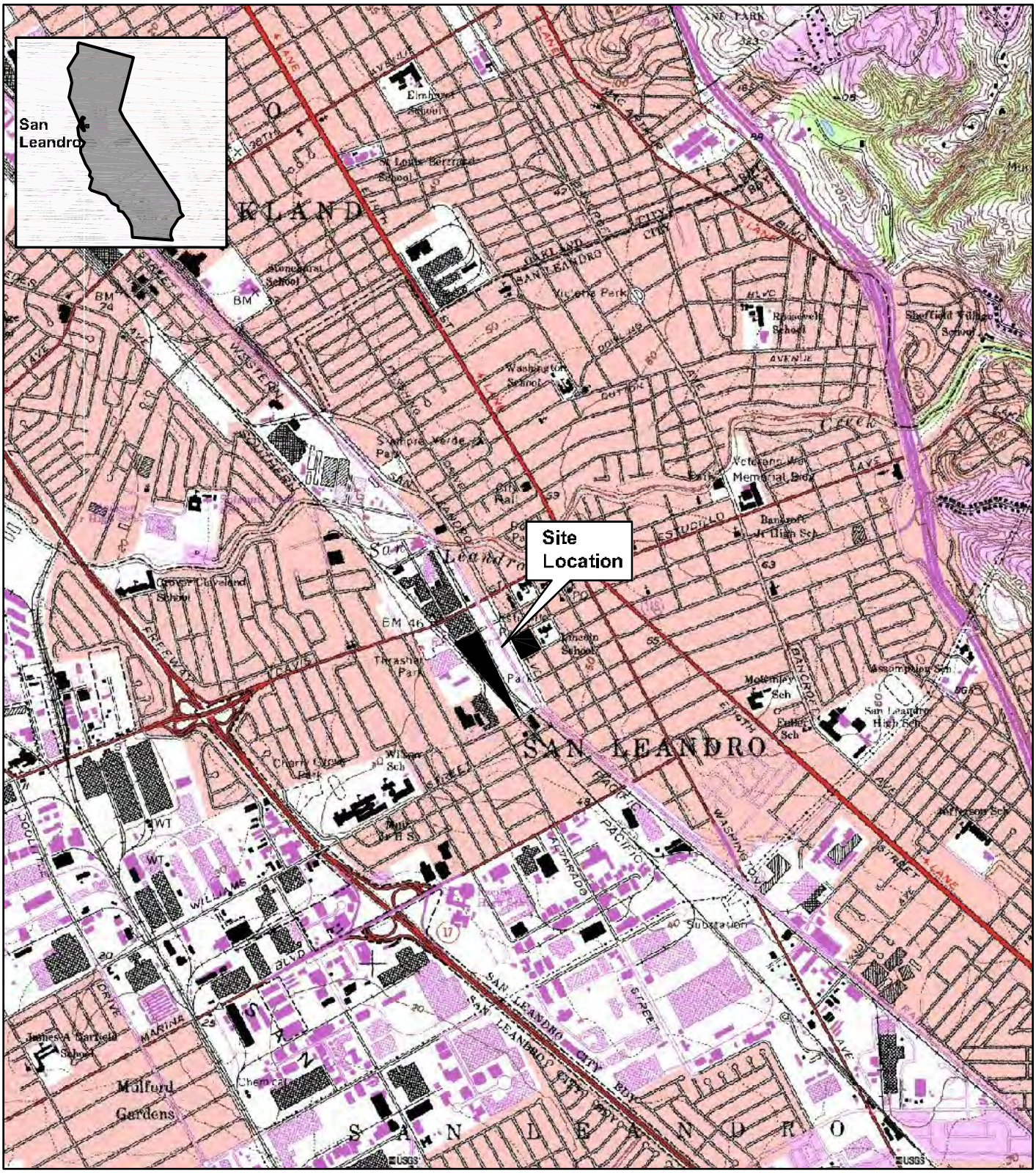
SAMPLE ID	WP-1	WP-2	WP-2-Dup	WP-3	WP-4	WP-5	WP-6	WP-7
DATE	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/6/08	12/6/08
MATRIX	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
METHOD (1)	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1,2-Tetrachloroethane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,1,2,2-Tetrachloroethane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,1,2-Trichloroethane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloroethene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,1-Dichloropropene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichlorobenzene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2,3-Trichloropropane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2,4-Trichlorobenzene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2,4-Trimethylbenzene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**19**	<2.5
1,2-Dibromo-3-Chloropropane	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichlorobenzene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloroethane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dichloropropane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,3,5-Trimethylbenzene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**4.8**	<2.5
1,3-Dichlorobenzene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,3-Dichloropropane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,4-Dichlorobenzene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
2,2-Dichloropropane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
2-Butanone	<50	<50	<50	<50	<50	<50	<50	<50
2-Chlorotoluene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
2-Hexanone	<50	<50	<50	<50	<50	<50	<50	<50
4-Chlorotoluene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
4-Methyl-2-Pentanone	<50	<50	<50	<50	<50	<50	<50	<50
Acetone	<50	<50	<50	<50	<50	<50	<50	<50
Benzene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Bromobenzene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Bromochloromethane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Bromodichloromethane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Bromoform	<5	<5	<5	<5	<5	<5	<5	<5
Bromomethane	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulfide	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Carbon Tetrachloride	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Chlorobenzene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Chloroethane	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	<2.5	<2.5	<2.5	<2.5	**4**	<2.5	<2.5	<2.5
Chloromethane	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	<2.5	**3.7**	**3.4**	<2.5	<2.5	<2.5	<2.5	<2.5
cis-1,3-Dichloropropene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Dibromochloromethane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Dibromomethane	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Ethylbenzene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**6**	<2.5
Freon 113	<10	<10	<10	<10	<10	<10	<10	<10
Freon 12	<5	<5	<5	<5	<5	<5	<5	<5
Hexachlorobutadiene	<10	<10	<10	<10	<10	<10	<10	<10
Isopropylbenzene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**2.9**	<2.5
m,p-Xylenes	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**6.3**	<2.5
Methylene Chloride	<50	<50	<50	<50	<50	<50	<50	<50
MTBE	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Naphthalene	<10	<10	<10	<10	<10	<10	<10	<10
n-Butylbenzene	<2.5	<2.5	<2.5	<2.5	<2.5	**5.3**	**5.2**	<2.5
o-Xylene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
para-Isopropyl Toluene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Propylbenzene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**11**	<2.5
sec-Butylbenzene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Styrene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
tert-Butylbenzene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Tetrachloroethene	**5.9**	**38**	**30**	**3.6**	**4.1**	<2.5	<2.5	<2.5
Toluene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
trans-1,2-Dichloroethene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
trans-1,3-Dichloropropene	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Trichloroethene	<2.5	**3.4**	**2.6**	<2.5	<2.5	<2.5	<2.5	<2.5
Trichlorofluoromethane	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	<50	<50	<50	<50	<50	<50	<50	<50
Vinyl Chloride	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5

Notes:
µg/L = micrograms per liter
< = Analyte was not detected at a level above the noted detection limit
(1) 8206B indicates volatile organic compounds by USEPA Method 8260B

TABLE 8: GROUNDWATER CHEMICAL TEST RESULTS – TOTAL PETROLEUM HYDROCARBONS
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

SAMPLE ID	WP-1	WP-2	WP-2-DUP	WP-3	WP-4	WP-5	WP-6	WP-7
DATE	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/8/08	12/6/08	12/6/08
MATRIX	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
METHOD (1)	8015B/8021B	8015B/8021B	8015B/8021B	8015B/8021B	8015B/8021B	8015B/8021B	8015B/8021B	8015B/8021B
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Diesel C10-C24	<50	<50	<50	<50	<50	**21,000**	**480 Y**	<50
Motor Oil C24-C36	<300	<300	<300	<300	<300	**11,000**	<300	<300
Gasoline C7-C12	<50	<50	<50	<50	<50	**2,800 Y**	**920**	<50
MTBE	<2	**2.2**	**2.2**	<2	<2	<2	**16 C**	<2
Benzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	<0.5	<0.5	<0.5	<0.5	<0.5	**2.8 C**	**2**	<0.5
Ethylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**11 C**	<0.5
m,p-Xylenes	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**11 C**	<0.5
o-Xylene	<0.5	<0.5	<0.5	<0.5	<0.5	**13 C**	**5.3 C**	<0.5

Notes:
(1) 8015B indicates total petroleum hydrocarbons by USEPA Method 8015B. 8021B indicates MTBE and BTEX compounds by USEPA Method 8021B.
µg/L = micrograms per liter.
< = Analyte was not detected at a level above the noted detection unit.
Y= Sample exhibits chromatographic pattern which does not resemble standard.
C = Presence confirmed, but RPD between columns exceeds 40%.



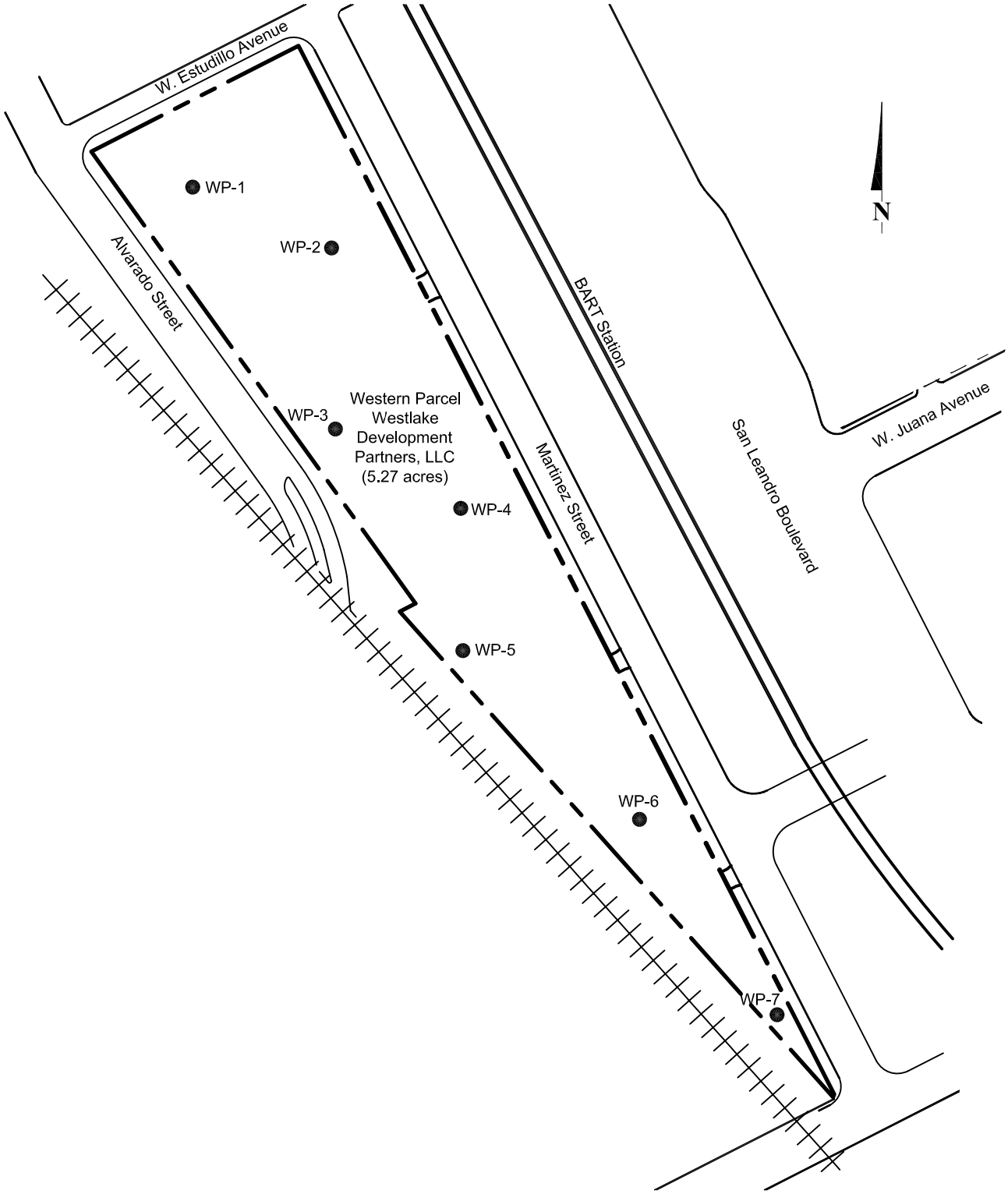
IRIS ENVIRONMENTAL
1438 Webster Street, Suite 302
Oakland, California 94612
Ph. (510) 834-4747 Fax: (510) 834-4199

Site Vicinity Map
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

Figure
1

Drafter: EC | Date: 12/30/08 | Contract Number: 08-616-B

I:\CAD\08-616-B\site vicinity parcel.dwg



EXPLANATION

● Sample Locations

Map Source: Development plans are based on the Master Plan provided by Keystone Development Group, LLC

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Sample Locations
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

Figure
2

Drafter: EC | Date: 12/30/08 | Contract Number: 08-616-B

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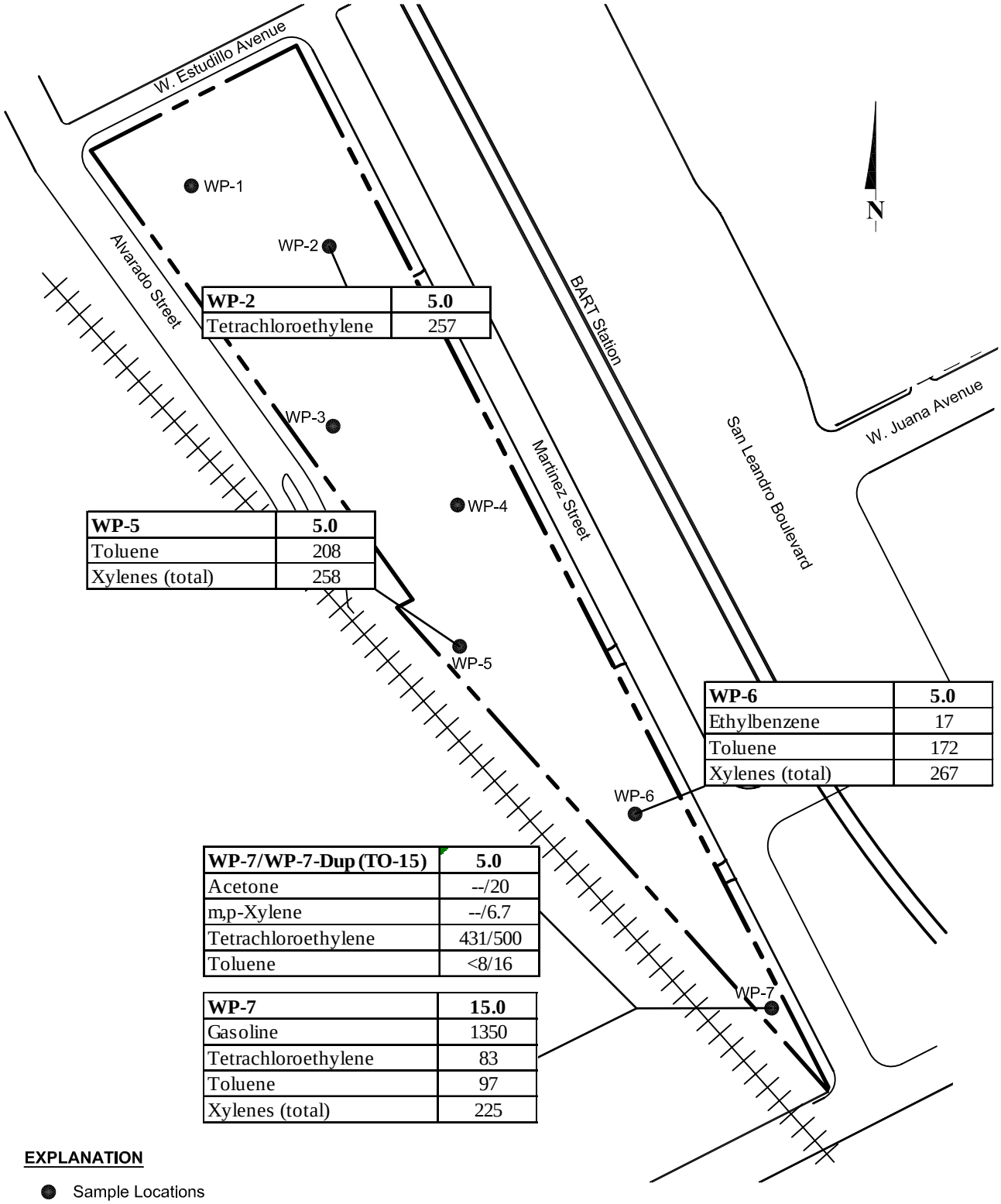

WP-2	5.0
Tetrachloroethylene	257

WP-5	5.0
Toluene	208
Xylenes (total)	258

WP-6	5.0
Ethylbenzene	17
Toluene	172
Xylenes (total)	267

WP-7/WP-7-Dup (TO-15)	5.0
Acetone	--/20
m,p-Xylene	--/6.7
Tetrachloroethylene	431/500
Toluene	<8/16

WP-7	15.0
Gasoline	1350
Tetrachloroethylene	83
Toluene	97
Xylenes (total)	225

EXPLANATION

● Sample Locations

Concentrations presented in µg/m³

Sample designation

Feet below ground surface

WP-2	5.0
Tetrachloroethylene	257

0 180

SCALE IN FEET (APPROXIMATE)

Map Source: Development plans are based on the Master Plan provided by Keystone Development Group, LLC

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Volatile Organic Compounds Detected in Soil Gas
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

Figure **3**

Drafter: EC | Date: 03/24/09 | Contract Number: 08-616-B

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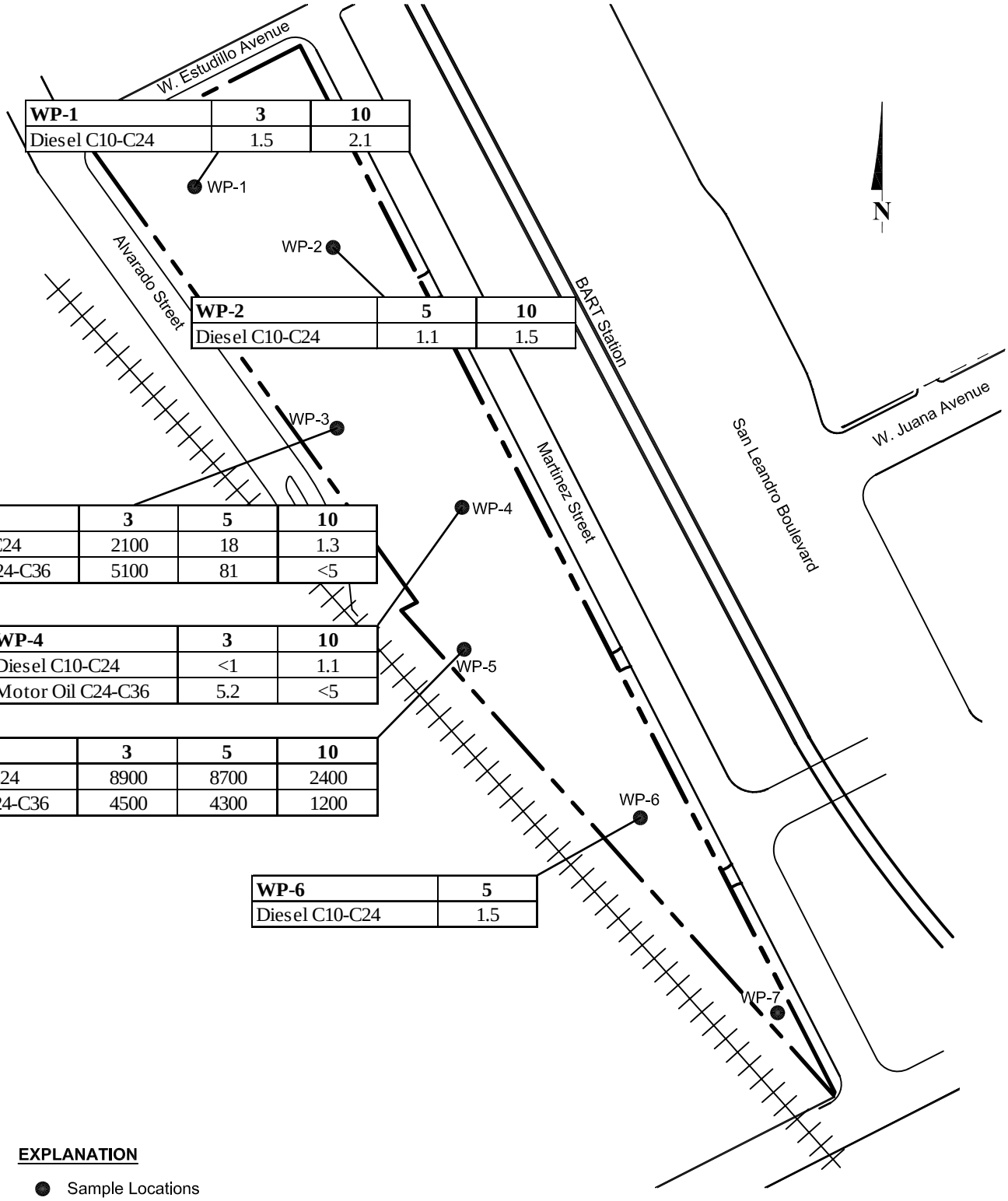

WP-1	3	10
Diesel C10-C24	1.5	2.1

WP-2	5	10
Diesel C10-C24	1.1	1.5

WP-3	3	5	10
Diesel C10-C24	2100	18	1.3
Motor Oil C24-C36	5100	81	<5

WP-4	3	10
Diesel C10-C24	<1	1.1
Motor Oil C24-C36	5.2	<5

WP-5	3	5	10
Diesel C10-C24	8900	8700	2400
Motor Oil C24-C36	4500	4300	1200

WP-6	5
Diesel C10-C24	1.5

EXPLANATION

● Sample Locations

Concentrations presented in mg/kg

Sample designation

Feet below ground surface

WP-1	3	10
Diesel C10-C24	1.5	2.1

0 180

SCALE IN FEET (APPROXIMATE)

Map Source: Development plans are based on the Master Plan provided by Keystone Development Group, LLC

IRIS ENVIRONMENTAL
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Total Petroleum Hydrocarbons Detected in Soil
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

Figure **4**

Drafter: EC | Date: 03/24/09 | Contract Number: 08-616-B

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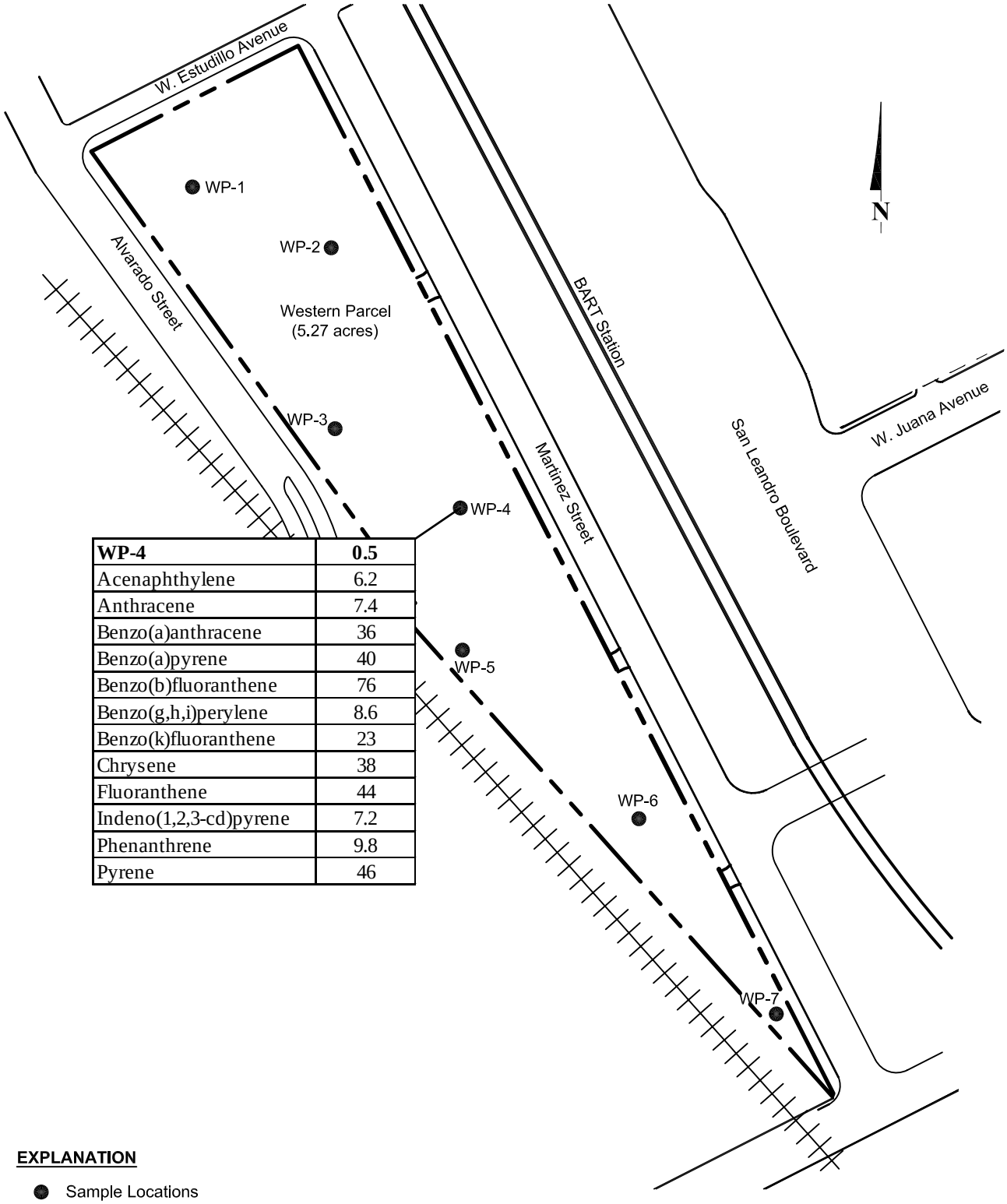

WP-4	0.5
Acenaphthylene	6.2
Anthracene	7.4
Benzo(a)anthracene	36
Benzo(a)pyrene	40
Benzo(b)fluoranthene	76
Benzo(g,h,i)perylene	8.6
Benzo(k)fluoranthene	23
Chrysene	38
Fluoranthene	44
Indeno(1,2,3-cd)pyrene	7.2
Phenanthrene	9.8
Pyrene	46

EXPLANATION

● Sample Locations

Concentrations presented in µg/kg

Sample designation

Feet below ground surface

WP-4	0.5
Chrysene	38

0 180

SCALE IN FEET
(APPROXIMATE)

Map Source: Development plans are based on the Master Plan provided by Keystone Development Group, LLC

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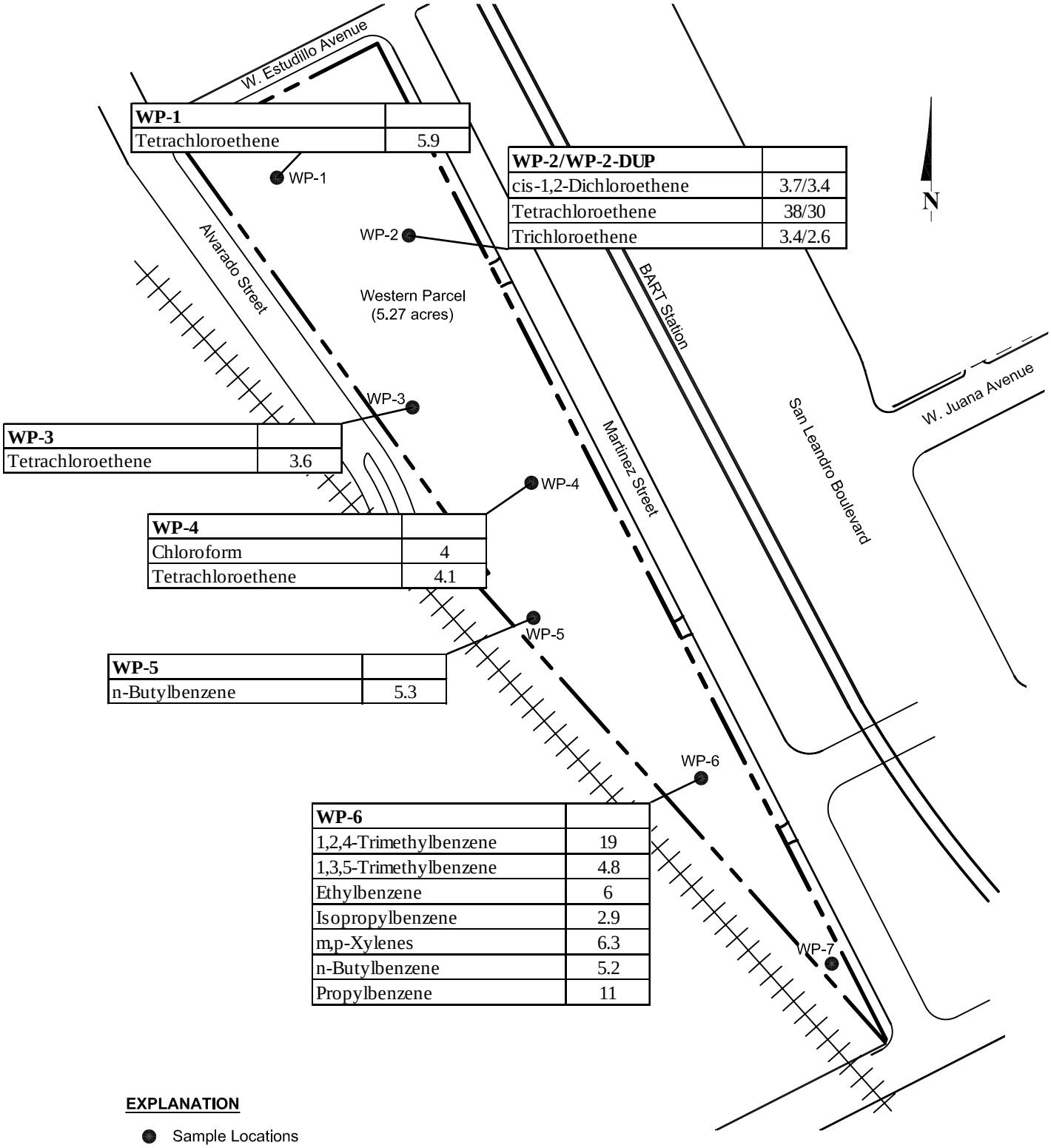
Polynuclear Aromatic Hydrocarbons Detected in Soil
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

Figure
5

Drafter: EC | Date: 03/24/09 | Contract Number: 08-616-B

I:\CAD\08\08-616-B\Detection figures west parcel.dwg



WP-1	
Tetrachloroethene	5.9

WP-2/WP-2-DUP	
cis-1,2-Dichloroethene	3.7/3.4
Tetrachloroethene	38/30
Trichloroethene	3.4/2.6

WP-3	
Tetrachloroethene	3.6

WP-4	
Chloroform	4
Tetrachloroethene	4.1

WP-5	
n-Butylbenzene	5.3

WP-6	
1,2,4-Trimethylbenzene	19
1,3,5-Trimethylbenzene	4.8
Ethylbenzene	6
Isopropylbenzene	2.9
m,p-Xylenes	6.3
n-Butylbenzene	5.2
Propylbenzene	11

EXPLANATION

● Sample Locations

Concentrations presented in µg/L

Sample designation

WP-5	
n-Butylbenzene	5.3

Map Source: Development plans are based on the Master Plan provided by Keystone Development Group, LLC

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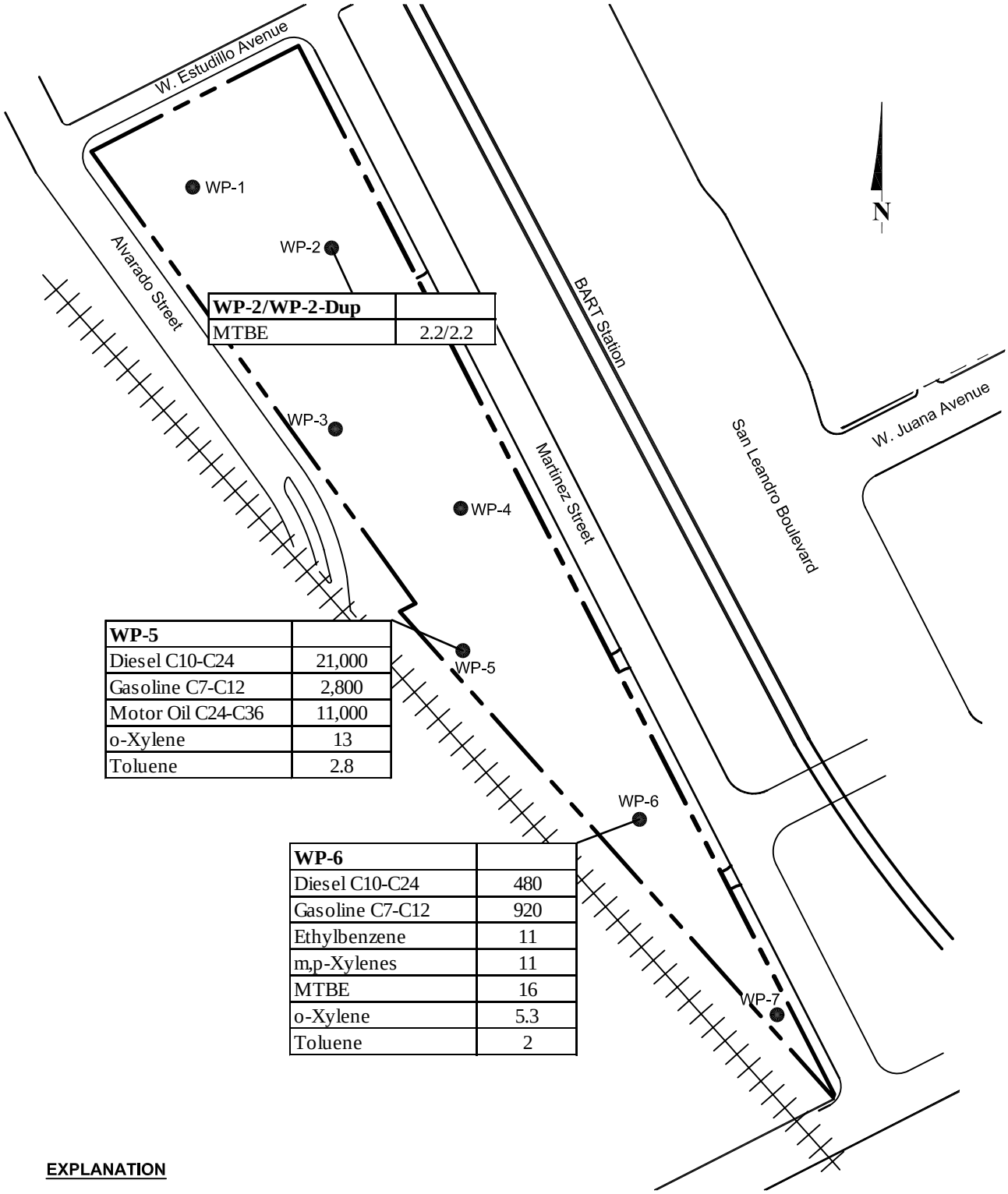
Volatile Organic Compounds Detected in Groundwater
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

Figure
6

Drafter: EC | Date: 03/24/09 | Contract Number: 08-616-B

I:\CAD\08\08-616-B\Detection figures west parcel.dwg



WP-2/WP-2-Dup	
MTBE	2.2/2.2

WP-5	
Diesel C10-C24	21,000
Gasoline C7-C12	2,800
Motor Oil C24-C36	11,000
o-Xylene	13
Toluene	2.8

WP-6	
Diesel C10-C24	480
Gasoline C7-C12	920
Ethylbenzene	11
m,p-Xylenes	11
MTBE	16
o-Xylene	5.3
Toluene	2

EXPLANATION

● Sample Locations

Concentrations presented in µg/L

Sample designation

WP-2/WP-2-Dup	
MTBE	2.2/2.2

0 180

SCALE IN FEET (APPROXIMATE)

Map Source: Development plans are based on the Master Plan provided by Keystone Development Group, LLC

IRIS ENVIRONMENTAL
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Total Petroleum Hydrocarbons Detected in Groundwater
BUILD San Leandro Crossing (Western Parcel)
San Leandro, California

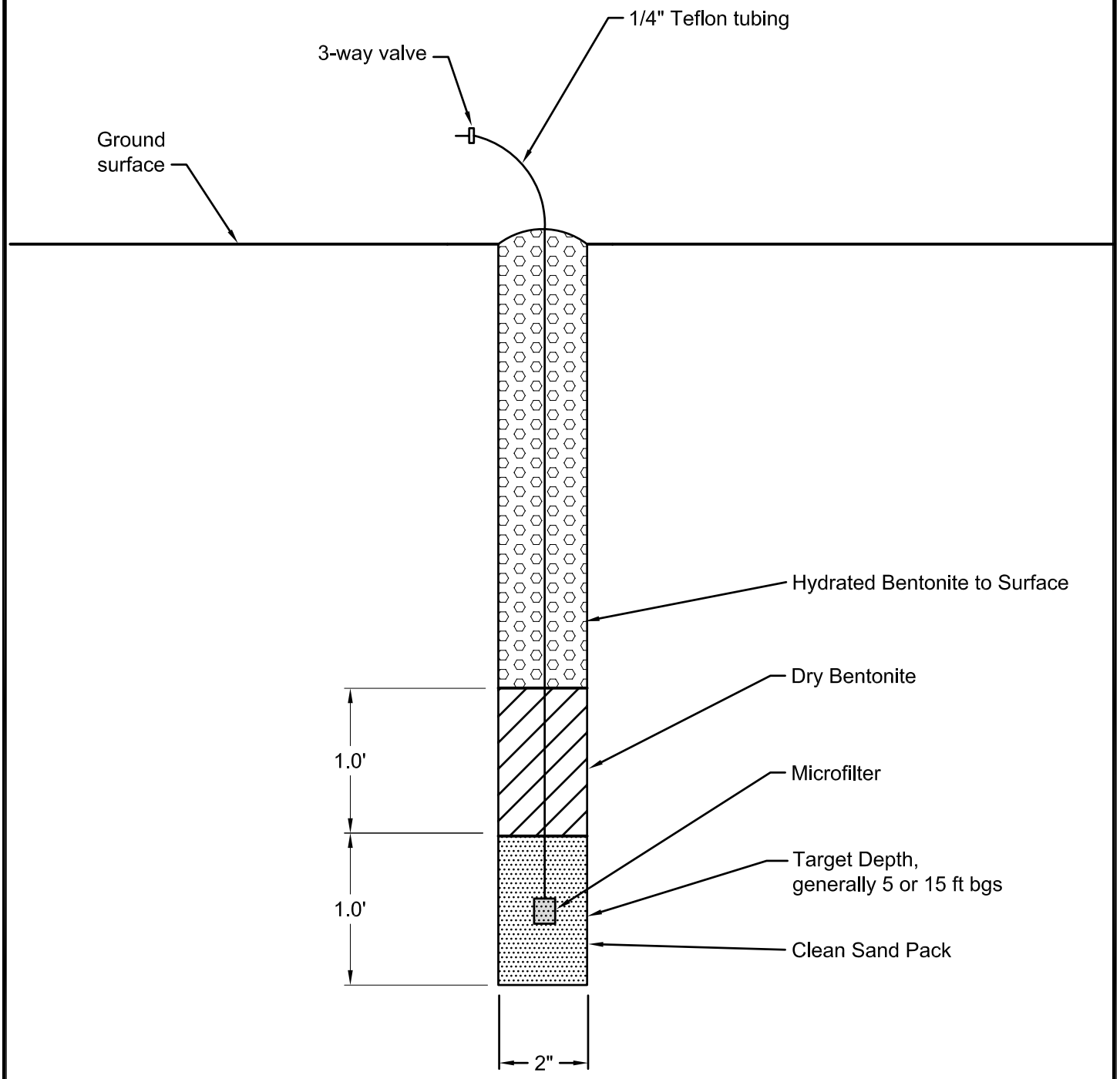
Figure **7**

Drafter: EC | Date: 03/24/09 | Contract Number: 08-616-B

I:\CAD\08\08-616-B\Detection figures west parcel.dwg

Appendix A

Soil Gas Monitoring Point Schematic



Notes:

1. Annular material emplaced through drill rod as appropriate.

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Soil Gas Monitoring Point Schematic
BUILD San Leandro Crossing
San Leandro, California

Figure
A1

Drafter: EC | Date: 12/18/08 | Contract Number: 08-616-A

I:\CAD\08\08-616-A\Soil Gas Well.dwg

Appendix B

Soil Boring Logs

Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 64612
Telephone: (510) 834-4747

WELL NUMBER WP-1

PROJECT NAME San Leandro Crossings
CLIENT BUILD San Leandro
PROJECT NUMBER 08-616-B
PROJECT LOCATION San Leandro, California
DATE STARTED 12/8/08 **COMPLETED** 12/8/08
DRILL RIG GeoProbe **HOLE DIAM.** 2 inches
DRILLING CONTRACTOR RSI
SAMPLER TYPE Macro-Core **TOTAL DEPTH** 32.0 ft
DRILLING METHOD Direct Push
GW DEPTH DURING DRILLING 24.5 ft
LOGGED BY Jeff Schmidt **CHECKED BY**
BOREHOLE BACKFILL Cement-Grout
NOTES

DEPTH (FEET)	SAMPLES: DRIVE	SAMPLES: RECOVERY	SAMPLES: RETAINED	SAMPLE NUMBER	TIME	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM AND REMARKS
0								GRAVELLY SAND WITH CLAY (SC): reddish yellow (7.5YR 6/8); dry; loose; poorly graded sand; angular gravel to 1/2" in diameter (30% gravel, 50% sand, 20% clay).	
				WP-1-0.5	1305				
				WP-1-3.0	1305			CLAYEY SAND (SC): dark reddish brown (5YR 3/2); dry; loose; poorly graded sand (5, 55, 40).	
5				WP-1-5.0	1310				
				WP-1-5.5	1310			SANDY CLAY (CL): very dark gray (5YR 3/1); dry to moist; stiff (0, 40, 60).	
10				WP-1-10	1310	157		Same as above except increasing fines to (0, 25, 75).	
15									Backfilled with cement-grout
								SANDY CLAY (CL): reddish brown (5YR 4/3); moist; stiff (0, 20, 80).	
20						435		Same as above except decreasing fines.	
								CLAYEY SAND (SC): reddish brown (5YR 4/3); damp; loose (0, 55, 45).	
25									

(Continued Next Page)

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Oakland, CA 64612
Telephone: (510) 834-4747

WELL NUMBER WP-1

PROJECT NAME San Leandro Crossings **CLIENT** BUILD San Leandro

PROJECT NUMBER 08-616-B **PROJECT LOCATION** San Leandro, California

DEPTH (FEET)	SAMPLES: DRIVE	SAMPLES: RECOVERY RETAINED	SAMPLES: SAMPLE NUMBER	SAMPLES: TIME	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM AND REMARKS
25							CLAYEY SAND WITH GRAVEL (SC): reddish brown (5YR 4/3); subangular gravel is up to 3/4" in diameter (15, 45, 40).	
30								

Bottom of Borehole at 32 feet.

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WELL NUMBER WP-2

PROJECT NAME San Leandro Crossings
CLIENT BUILD San Leandro
PROJECT NUMBER 08-616-B
PROJECT LOCATION San Leandro, California
DATE STARTED 12/8/08 **COMPLETED** 12/8/08
DRILL RIG GeoProbe **HOLE DIAM.** 2 inches
DRILLING CONTRACTOR RSI
SAMPLER TYPE Macro-Core **TOTAL DEPTH** 32.0 ft
DRILLING METHOD Direct Push
GW DEPTH DURING DRILLING 26.0 ft
LOGGED BY Jeff Schmidt **CHECKED BY**
BOREHOLE BACKFILL Cement-Grout
NOTES

DEPTH (FEET)	SAMPLES: DRIVE	SAMPLES: RECOVERY RETAINED	SAMPLES: SAMPLE NUMBER	SAMPLES: TIME	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM AND REMARKS
0			WP-2-0.5	1110			GRAVELLY SAND WITH CLAY (SC): reddish yellow (7.5YR 6/8); dry; loose; poorly graded sand; angular gravel to 1/2" in diameter (30% gravel, 50% sand, 20% clay).	
			WP-2-3.0	1110			CLAYEY SAND (SC): dark reddish brown (5YR 3/2); dry; loose; poorly graded sand (5, 55, 40).	
5			WP-2-5.0	1115			SANDY CLAY (CL): very dark gray (5YR 3/1); dry to moist; stiff (0, 40, 60).	
10			WP-2-10	1115	205		Same as above except increasing fines to (0, 25, 75).	
15								Backfilled with cement-grout
							SANDY CLAY (CL): reddish brown (5YR 4/3); moist; stiff (0, 20, 80).	
20							Same as above except decreasing fines.	
							CLAYEY SAND (SC): reddish brown (5YR 4/3); damp; loose (0, 55, 45).	
25								

(Continued Next Page)

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WELL NUMBER WP-2

PROJECT NAME San Leandro Crossings **CLIENT** BUILD San Leandro

PROJECT NUMBER 08-616-B **PROJECT LOCATION** San Leandro, California

DEPTH (FEET)	SAMPLES: DRIVE	SAMPLES: RECOVERY RETAINED	SAMPLES: SAMPLE NUMBER	SAMPLES: TIME	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM AND REMARKS
25							CLAYEY SAND WITH GRAVEL (SC): reddish brown (5YR 4/3); subangular gravel is up to 3/4" in diameter (15, 45, 40).	
30								

Bottom of Borehole at 32 feet.

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Telephone: (510) 834-4747

WELL NUMBER WP-3

PROJECT NAME San Leandro Crossings
CLIENT BUILD San Leandro
PROJECT NUMBER 08-616-B
PROJECT LOCATION San Leandro, California
DATE STARTED 12/8/08 **COMPLETED** 12/8/08
DRILL RIG GeoProbe **HOLE DIAM.** 2 inches
DRILLING CONTRACTOR RSI
SAMPLER TYPE Macro-Core **TOTAL DEPTH** 32.0 ft
DRILLING METHOD Direct Push
GW DEPTH DURING DRILLING 26.3 ft
LOGGED BY Jeff Schmidt **CHECKED BY**
BOREHOLE BACKFILL Cement-Grout
NOTES

DEPTH (FEET)	SAMPLES: DRIVE	SAMPLES: RECOVERY	SAMPLES: RETAINED	SAMPLE NUMBER	TIME	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM AND REMARKS
0				WP-3-0.5	1010			GRAVELLY SAND WITH CLAY (SC): reddish yellow (7.5YR 6/8); dry; loose; poorly graded sand; angular gravel to 1/2" in diameter (30% gravel, 50% sand, 20% clay).	
				WP-3-3.0	1010				
5				WP-3-5.0	1015			Same as above except increasing fines.	
								SANDY CLAY (CL): reddish brown (5yr 3/2); dry; loose; poorly graded sand; moderate gray-green TPH staining (0, 25, 75).	
10				WP-3-10	1015	215		Same as above except increasing fines.	
								Same as above except increasing TPH staining.	
15					1020				Backfilled with cement-grout
20								Same as above except increasing fines to (0, 15, 85).	
								CLAYEY SAND (CL): greenish gray (Gley 1 5/1; damp to wet; poorly graded medium-grained sand; continued TPH staining (0, 75, 25).	
25								SANDY CLAY WITH GRAVEL (SC): light greenish gray (Gley 1	

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WELL NUMBER WP-3

PROJECT NAME San Leandro Crossings **CLIENT** BUILD San Leandro

PROJECT NUMBER 08-616-B **PROJECT LOCATION** San Leandro, California

DEPTH (FEET)	SAMPLES: DRIVE	SAMPLES: RECOVERY RETAINED	SAMPLES: SAMPLE NUMBER	SAMPLES: TIME	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM AND REMARKS
25							7/1); wet; soft; poorly graded sand (10, 40, 50).	
							Same as above except increasing gravel.	
30							Same as above except end of TPH staining.	

Bottom of Borehole at 32 feet.

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Telephone: (510) 834-4747

WELL NUMBER WP-4

PROJECT NAME San Leandro Crossings
CLIENT BUILD San Leandro
PROJECT NUMBER 08-616-B
PROJECT LOCATION San Leandro, California
DATE STARTED 12/8/08 **COMPLETED** 12/8/08
DRILL RIG GeoProbe **HOLE DIAM.** 2 inches
DRILLING CONTRACTOR RSI
SAMPLER TYPE Macro-Core **TOTAL DEPTH** 36.0 ft
DRILLING METHOD Direct Push
GW DEPTH DURING DRILLING 26.3 ft
LOGGED BY Jeff Schmidt **CHECKED BY**
BOREHOLE BACKFILL Cement-Grout
NOTES

DEPTH (FEET)	SAMPLES: DRIVE	SAMPLES: RECOVERY	SAMPLES: RETAINED	SAMPLE NUMBER	TIME	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM AND REMARKS
0								GRAVELLY SAND WITH CLAY (SC): reddish yellow (7.5YR 6/8); dry; loose; poorly graded sand; angular gravel to 1/2" in diameter (30% gravel, 50% sand, 20% clay).	
				WP-4-0.5	0905				
				WP-4-3.0	0905			SANDY CLAY (CL): dark reddish brown (5yr 3/2); dry to damp; firm; moderate orange mottling (0, 35, 65).	
5				WP-4-5.0	0910				
				WP-4-5.5	0910				
								Same as above except increasing fines.	
10				WP-4-10	0910				
								Same as above except (0, 25, 75).	
								Coring suspended until 20 feet bgs.	
15									
									Backfilled with cement-grout
20								Same as above except dark greenish gray (Gley 1 3/1); moist; firm; TPH staining.	
								Same as above except decreasing TPH staining.	
								Same as above except increasing sand.	
						150		SAND (SP): reddish brown (5YR 4/3)(0, 95, 5).	
25								GRAVELLY SAND WITH CLAY (SC): reddish brown (5YR 4/3); moist; poorly graded sand; subangular gravel (20, 70,10).	

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WELL NUMBER WP-4

PROJECT NAME San Leandro Crossings **CLIENT** BUILD San Leandro

PROJECT NUMBER 08-616-B **PROJECT LOCATION** San Leandro, California

DEPTH (FEET)	SAMPLES: DRIVE	SAMPLES: RECOVERY RETAINED	SAMPLES: SAMPLE NUMBER	SAMPLES: TIME	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM AND REMARKS
25							Intermittant ~6" lenses of TPH staining fro 24 feet bgs to 28 feet bgs.	
30								
35								

Bottom of Borehole at 36 feet.

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WELL NUMBER WP-5

PROJECT NAME San Leandro Crossings
CLIENT BUILD San Leandro
PROJECT NUMBER 08-616-B
PROJECT LOCATION San Leandro, California
DATE STARTED 12/8/08 **COMPLETED** 12/8/08
DRILL RIG GeoProbe **HOLE DIAM.** 2 inches
DRILLING CONTRACTOR RSI
SAMPLER TYPE Macro-Core **TOTAL DEPTH** 36.0 ft
DRILLING METHOD Direct Push
GW DEPTH DURING DRILLING 26.5 ft
LOGGED BY Jeff Schmidt **CHECKED BY**
BOREHOLE BACKFILL Cement-Grout
NOTES

DEPTH (FEET)	SAMPLES: DRIVE	SAMPLES: RECOVERY RETAINED	SAMPLES: SAMPLE NUMBER	SAMPLES: TIME	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM AND REMARKS
0							SANDY CLAY (CL): dark reddish brown (5YR 3/2); damp; firm; very fine-grained sand (0% gravel, 40% sand, 60% clay).	
			WP-5-0.5	0735				
							Same as above except grayish green TPH staining.	
			WP-5-3.0	0735			Same as above except decreasing fines.	
5			WP-5-5.0	0740				
							SANDY CLAY (CL): dark greenish gray (Gley 1 3/1); dry to moist; firm (0,35,65).	
					210			
10			WP-5-10	0740			Same as above except strong TPH odor.	
							Same as above except increasing fines (0, 25, 75).	
15					280			
							CLAY WITH SAND (CL): dark greenish gray (Gley 1 3/1); damp; firm (0, 10, 90).	
								Backfilled with cement-grout
20								
							SANDY CLAY WITH GRAVEL (CL): dark greenish gray (Gley 1 3/1)(15, 30, 55).	
							Same as above except increasing sand.	
25								

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WELL NUMBER WP-5

PROJECT NAME San Leandro Crossings **CLIENT** BUILD San Leandro

PROJECT NUMBER 08-616-B **PROJECT LOCATION** San Leandro, California

DEPTH (FEET)	SAMPLES: DRIVE	SAMPLES: RECOVERY RETAINED	SAMPLES: SAMPLE NUMBER	SAMPLES: TIME	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM AND REMARKS
25							CLAYEY SAND WITH GRAVEL (SC): wet; loose; subrounded gravel is up to 1/2" in diameter (15, 45, 40).	
30							SAND (SP) lens (0, 90, 10).	
							GRAVELLY SAND WITH CLAY (SC): dark greenish gray (Gley 1 3/1); subrounded gravel is up to 1/2" in diameter (25, 55, 20).	
35								

Bottom of Borehole at 36 feet.

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WELL NUMBER WP-6

PROJECT NAME San Leandro Crossings
CLIENT BUILD San Leandro
PROJECT NUMBER 08-616-B
PROJECT LOCATION San Leandro, California
DATE STARTED 12/6/08 **COMPLETED** 12/6/08
DRILL RIG GeoProbe **HOLE DIAM.** 2 inches
DRILLING CONTRACTOR RSI
SAMPLER TYPE Macro-Core **TOTAL DEPTH** 40.0 ft
DRILLING METHOD Direct Push
GW DEPTH DURING DRILLING 28.5 ft
LOGGED BY Jeff Schmidt **CHECKED BY**
BOREHOLE BACKFILL Cement-Grout
NOTES

DEPTH (FEET)	SAMPLES: DRIVE / RECOVERY / RETAINED	SAMPLE NUMBER	TIME	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM AND REMARKS
0		WP-6-0.5	1610			(CL) SANDY CLAY: reddish brown (5YR 4/3); dry; firm; very fine-grained sand (5% gravel, 40% sand, 55% clay).	
		WP-6-3.0	1610				
5		WP-6-5.0	1615			Same as above except increasing fines (0, 35, 65).	
						(CL) SANDY CLAY: reddish brown (5YR 4/3; moist; firm; plastic (0, 25, 75).	
10		WP-6-9.5	1615	125			
						Coring suspended until 24 feet bgs.	
15							
20							Backfilled with cement-grout
25						(CL) SANDY CLAY: greenish gray (Gley 1 3/1); moist; firm; plastic (0, 25, 75).	

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WELL NUMBER WP-6

PROJECT NAME San Leandro Crossings **CLIENT** BUILD San Leandro

PROJECT NUMBER 08-616-B **PROJECT LOCATION** San Leandro, California

DEPTH (FEET)	SAMPLES: DRIVE	SAMPLES: RECOVERY RETAINED	SAMPLES: SAMPLE NUMBER	SAMPLES: TIME	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM AND REMARKS
25							Same as above except strong TPH odor and staining.	
							(SC) GRAVELLY SAND WITH CLAY: greeenish gray (Gley 1 3/1); strong TPH odor and staining (30, 50, 20).	
30					1100			
							(CL) SANDY CLAY: reddish brown (5YR 4/3); damp; firm; plastic (0, 30, 70).	
35								
40								

Bottom of Borehole at 40 feet.

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Telephone: (510) 834-4747

WELL NUMBER WP-7

PROJECT NAME San Leandro Crossings
CLIENT BUILD San Leandro
PROJECT NUMBER 08-616-B
PROJECT LOCATION San Leandro, California
DATE STARTED 12/6/08 **COMPLETED** 12/6/08
DRILL RIG GeoProbe **HOLE DIAM.** 2 inches
DRILLING CONTRACTOR RSI
SAMPLER TYPE Macro-Core **TOTAL DEPTH** 34.0 ft
DRILLING METHOD Direct Push
GW DEPTH DURING DRILLING 30.5 ft
LOGGED BY Jeff Schmidt **CHECKED BY**
BOREHOLE BACKFILL Cement-Grout
NOTES

DEPTH (FEET)	SAMPLES: DRIVE	SAMPLES: RECOVERY RETAINED	SAMPLES: SAMPLE NUMBER	SAMPLES: TIME	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM AND REMARKS
0			WP-7-0.5	1455			(CL) SANDY CLAY: reddish brown (5YR 4/3); dry; firm; very fine-grained sand (5% gravel, 40% sand, 55% clay).	
			WP-7-3.0	1455				
5			WP-7-5.0 WP-7-5.5	1500			Same as above except increasing fines (0, 35, 65).	
							(CL) SANDY CLAY: reddish brown (5YR 4/3); moist; firm; plastic (0, 25, 75).	
10			WP-7-9.5	1505	210			
							Coring suspended until 20 feet bgs.	
15								
20								Backfilled with cement-grout
25							Coring suspended until 30 feet bgs.	

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WELL NUMBER WP-7

PROJECT NAME San Leandro Crossings **CLIENT** BUILD San Leandro

PROJECT NUMBER 08-616-B **PROJECT LOCATION** San Leandro, California

DEPTH (FEET)	SAMPLES: DRIVE	SAMPLES: RECOVERY RETAINED	SAMPLES: SAMPLE NUMBER	SAMPLES: TIME	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM AND REMARKS
25								
30							(SC) CLAYEY SAND WITH GRAVEL: reddish brown (5YR 4/3); wet; poorly graded fine- to coarse-grained sand; clay concentration varies; subrounded gravel up to 1" in diameter (20, 45, 35).	

Bottom of Borehole at 34 feet.

Appendix C

Laboratory Analytical Data Sheets

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

Laboratory Job Number 208382
ANALYTICAL REPORT

Iris Environmental	Project : 08-616-A
1438 Webster Street	Location : San Leandro
Oakland, CA 94612	Level : II

Sample ID	Lab ID	Sample ID	Lab ID
EP-1-0.5	208382-001	WP-5-GW	208382-024
EP-1-3.0	208382-002	WP-4-0.5	208382-025
EP-1-GW	208382-003	WP-4-3.0	208382-026
EP-2-0.5	208382-004	WP-4-5.0	208382-027
EP-2-3.0	208382-005	WP-4-10.0	208382-028
EP-2-GW	208382-006	WP-4-GW	208382-029
EP-3-0.5	208382-007	WP-3-0.5	208382-030
EP-3-3.0	208382-008	WP-3-3.0	208382-031
EP-3-GW	208382-009	WP-3-5.0	208382-032
WP-7-0.5	208382-010	WP-3-10.0	208382-033
WP-7-3.0	208382-011	WP-3-GW	208382-034
WP-7-5.0	208382-012	WP-2-0.5	208382-035
WP-7-9.5	208382-013	WP-2-2.5	208382-036
WP-7-GW	208382-014	WP-2-5.0	208382-037
WP-6-0.5	208382-015	WP-2-10.0	208382-038
WP-6-3.0	208382-016	WP-2-GW	208382-039
WP-6-5.0	208382-017	WP-1-0.5	208382-040
WP-6-10.0	208382-018	WP-1-3.0	208382-041
WP-6-GW	208382-019	WP-1-5.0	208382-042
WP-5-0.5	208382-020	WP-1-10.0	208382-043
WP-5-3.0	208382-021	WP-1-GW	208382-044
WP-5-5.0	208382-022	WP-2-GW-DUP	208382-045
WP-5-10.0	208382-023	TRIP BLANK	208382-046

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

Signature: _____ Date: 12/23/2008
Laboratory Director

Signature: _____ Date: 12/23/2008
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**208382**
Client:	**Iris Environmental**
Project:	**08-616-A**
Location:	**San Leandro**
Request Date:	**12/08/08**
Samples Received:	**12/08/08**

This data package contains sample and QC results for thirty four soil samples and eleven water samples, requested for the above referenced project on 12/08/08. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):
High surrogate recoveries were observed for bromofluorobenzene (FID) and trifluorotoluene (FID) in the LCS/MS/MSD for batch 145970. High surrogate recoveries were observed for bromofluorobenzene (PID) in EP-1-GW (lab # 208382-003), EP-2-GW (lab # 208382-006), and WP-6-GW (lab # 208382-019). High surrogate recovery was observed for trifluorotoluene (PID) in WP-6-GW (lab # 208382-019). EP-1-GW (lab # 208382-003), EP-2-GW (lab # 208382-006), and EP-3-GW (lab # 208382-009) were analyzed with more than 1 mL of headspace in the VOA vial. All water samples underwent the Zemo gravity separation procedure. No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Water:
All samples underwent the Zemo gravity separation procedure. No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B) Soil:
A number of samples were diluted due to the dark and viscous nature of the sample extracts. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
WP-5-GW (lab # 208382-024) was analyzed with more than 1 mL of headspace in the VOA vial. No other analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
High recoveries were observed for pyrene in the MS/MSD for batch 145821; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. High surrogate recovery was observed for terphenyl-d14 in WP-4-0.5 (lab # 208382-025). High surrogate recoveries were observed for nitrobenzene-d5 in EP-3-3.0 (lab # 208382-008) and the MS for batch 145821. EP-1-0.5 (lab # 208382-001), EP-3-0.5 (lab # 208382-007), and EP-3-3.0 (lab # 208382-008) were diluted due to the dark and viscous nature of the sample extracts. EP-3-0.5 (lab # 208382-007) was diluted due to high non-target analytes. No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):
Low recoveries were observed for chromium and nickel in the MSD of EP-1-0.5 (lab # 208382-001); the BS/BSD were within limits, and the associated RPDs

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**208382**
Client:	**Iris Environmental**
Project:	**08-616-A**
Location:	**San Leandro**
Request Date:	**12/08/08**
Samples Received:	**12/08/08**

Metals (EPA 6010B and EPA 7471A):
were within limits. High RPD was observed for copper in the MS/MSD of EP-1-0.5 (lab # 208382-001); the RPD was acceptable in the BS/BSD. No other analytical problems were encountered.

Asbestos PLM (EPA 600/R-93-116):
Forensic Analytical in Hayward, CA performed the analysis. Please see the Forensic Analytical case narrative.

208382 6+8 208382

IRIS ENVIRONMENTAL — CHAIN-OF-CUSTODY

1438 Webster Street, Suite 302
Oakland, California 94612
(510) 834-4747 tel
(510) 834-4199 fax

Date: 12/~~07~~/08 Page: 1 of 5 № 2266

Sampler Name(s): Jeff Schmidt

Signature(s): Jeff Schmidt

Analyses Required

	Sample ID	Date	Time	Matrix	Pres.	Priority Pol. Metals (6010/7000)	Asbestos (Carb 435)	TPH-d/mo (8015)*	PAHs (8270-SIM)	VOCs (8260)	TPH-g+BTEX+MTBE (8260)									Number of Containers
1	EP-1-0.5	12-6-08	1025	Soil	—	X	X		X											1
2	EP-1-3.0	12-6-08	1025	Soil	—	X	X		X											1
3	EP-1-GW	12-6-08	1140	H_2O	Various			X		X	X									4
4	EP-2-0.5	12-6-08	0735	Soil	—	X	X		X											1
5	EP-2-3.0	12-6-08	0735	Soil	—	X	X		X											1
6	EP-2-GW	12-6-08	1000	H_2O	Various			X		X	X									4
7	EP-3-0.5	12-6-08	1205	Soil	—	X	X		X											1
8	EP-3-3.0	12-6-08	1205	Soil	—	X	X		X											1
9	EP-3-GW	12-6-08	~~1205~~ 1325	H_2O	Various			X		X	X									4
10	WP-7-0.5	12-6-08	1455	Soil	—	X	X		X											1

PROJECT INFORMATION

Project Name: San Leandro
Project Number: 08-616-A
Contact Person: Jeff Schmidt
E-mail: jeff@irisenv.com
Contact Telephone: (510) 834-4747 x45
Report: Routine (Level 2) Level 3 Level 4 EDD
TAT: 10-day 5-day 72-hr 48-hr 24-hr Other:

Special Instructions/Comments:

*Use Dawn Zemo's gravimetric seperation method for all TPH-d/mo groundwater analyses.

Use silicagel cleanup for all TPH analyses.

RELINQUISHED BY:	RECEIVED BY:
Printed Name: Jeff Schmidt	Printed Name: Patricia Gonzalez
Signature: Jeff Schmidt	Signature: Patricia Gonzalez
Company: Iris Env.	Company: Curtis & Tompkins
Time/Date: 1310 / 12-8-08	Time/Date: 12/8/08 3:10 pm

RELINQUISHED BY:	RECEIVED BY:
Printed Name	Printed Name
Signature	Signature
Company	Company
Time/Date	Time/Date

6+8

204342

IRIS ENVIRONMENTAL — CHAIN-OF-CUSTODY

1438 Webster Street, Suite 302
Oakland, California 94612
(510) 834-4747 tel
(510) 834-4199 fax

Date: 12/~~6~~/08 Page: 2 of 5 №: 2267

Sampler Name(s): Jeff Schmidt

Signature(s): [signature]

	Sample ID	Date	Time	Matrix	Pres.	(6010/7000) Priority Pollutant Metals	Asbestos (CARB 435)	TPH-d/mo (8015)*	PAHs (8270-SIM)	VOCs (8260)	(8260) TPH-g+BTEX+MTBE									Number of Containers
11	WP-7-3.0	12-6-08	1455	Soil	—	X	X	X	X											1
12	WP-7-5.0	12-6-08	1500	Soil	—			X												1
13	WP-7-9.5	12-6-08	1505	Soil	—			X												1
14	WP-7-GW	12-6-08	1545	H_2O	Various			X		X	X									4
15	WP-6-0.5	12-6-08	1610	Soil	—	X	X													1
16	WP-6-3.0	12-6-08	1610	Soil	—	X	X	X												1
17	WP-6-5.0	12-6-08	1615	Soil	—			X												1
18	WP-6-10.0	12-6-08	1615	Soil	—			X												1
19	WP-6-GW	12-6-08	1640	H_2O	Various			X		X	X									4
20	WP-5-0.5	12-8-08	0735	Soil	—	X	X													1

PROJECT INFORMATION

Project Name: San Leandro
Project Number: 08-616-A
Contact Person: Jeff Schmidt
E-mail: jeff@irisenv.com
Contact Telephone: (510) 834-4747 x45
Report: Routine (Level 2) Level 3 Level 4 EDD
TAT: 10-day (5-day) 72-hr 48-hr 24-hr Other:

Special Instructions/Comments:

* Use Dawn Zema's gravimetric seperation method for all TPH-d/mo groundwater analyses.

Use Silica gel cleanup for all TPH

RELINQUISHED BY:	RECEIVED BY:
Printed Name: Jeff Schmidt	Printed Name: Patricia Gonzalez
Signature: [signature]	Signature: Patricia Gonzalez
Company: Iris Env.	Company: Curtis & Tompkins
Time/Date: 1510 / 12-08-08	Time/Date: 12/8/8 340pm

RELINQUISHED BY:	RECEIVED BY:
Printed Name	Printed Name
Signature	Signature
Company	Company
Time/Date	Time/Date

6+8 204382

IRIS ENVIRONMENTAL — CHAIN-OF-CUSTODY

1438 Webster Street, Suite 302
Oakland, California 94612
(510) 834-4747 tel
(510) 834-4199 fax

Date: 12 ~~16~~ 08 Page: 3 of 5 №: 2265

Sampler Name(s): Jeff Schmidt Signature(s):

Analyses Required

	Sample ID	Date	Time	Matrix	Pres.	(601C/7000) Priority Pol. Metals	Asbestos (CARB 435)	TPH-d/mo (8015)*	PAHs (8270-SIM)	VOCs (8260)	(8260) TPH-g+BTEX+MTBE									Number of Containers
21	WP-5-3.0	12-8-08	0735	Soil	—	X	X	X												1
22	WP-5-5.0	↓	0740	Soil	—			X												1
23	WP-5-10.0		0740	Soil	—			X												1
24	WP-5-GW		0820	H_2O	Various			X		X	X									4
25	WP-4-0.5		0905	Soil	—	X	X		X											1
26	WP-4-3.0		0905	Soil	—	X	X	X	X											1
27	WP-4-5.0		0910	Soil	—			X												1
28	WP-4-10.0		0910	Soil	—			X												1
29	WP-4-GW		0945	H_2O	Various			X		X	X									4
30	WP-3-0.5	12-8-08	1010	Soil	—	X	X													1

PROJECT INFORMATION

Project Name: San Leandro
Project Number: 08-616-A
Contact Person: Jeff Schmidt
E-mail: jeff@irisenv.com
Contact Telephone: (510) 834-4747 x 45
Report: Routine (Level 2) Level 3 Level 4 EDD
TAT: 10-day 5-day 72-hr 48-hr 24-hr Other:

Special Instructions/Comments:

*Use Dawn Zema gravimetric seperation method for all TPH-d/mo groundwater samples.

Use Silica gel cleanup for all TPH

RELINQUISHED BY:	RECEIVED BY:
Printed Name: Jeff Schmidt	Printed Name: Patricia Gonzalez
Signature:	Signature:
Company: Iris Env.	Company: Curtis & Tompkins
Time/Date: 1510 / 12-08-08	Time/Date: 12/8/8 3:10 pm

RELINQUISHED BY:	RECEIVED BY:
Printed Name	Printed Name
Signature	Signature
Company	Company
Time/Date	Time/Date

704342

IRIS ENVIRONMENTAL — CHAIN-OF-CUSTODY

1438 Webster Street, Suite 302
Oakland, California 94612
(510) 834-4747 tel
(510) 834-4199 fax

Date: 12/16/08 Page: 4 of 5 № 2682

Sampler Name(s): Jeff Schmidt

Signature(s):

Analyses Required

	Sample ID	Date	Time	Matrix	Pres.	Priority Pol. Metals (8010/7000)	Asbestos (CARB 435)	TPH-d/mo (8015)*	PAHs (8270-SIM)	VOCs (8260)	TPH-g+BTEX+MTBE (8260)									Number of Containers
31	WP-3-~~0.5~~ 5.0	12-8-08	1010	Soil	—	X	X	X												1
32	WP-3-~~5.0~~ 5.0	↓	1015	Soil	—			X												1
33	WP-3-10.0		1015	Soil	—			X												1
34	WP-3-GW		1050	H_2O	Various			X		X	X									4
35	WP-2-0.5		1110	Soil	—	X	X													1
36	WP-2-2.5		1110	Soil	—	X	X	X												1
37	WP-2-5.0		1115	Soil	—			X												1
38	WP-2-10.0		1115	Soil	—			X												1
39	WP-2-GW	↓	1140	H_2O	Various			X		X	X									4
40	~~WP-2~~ ~~WP-2~~ WP-1-0.5	12-8-08	1305	Soil		X	X		X											1

PROJECT INFORMATION

Project Name: San Leandro
Project Number: 05-616-A
Contact Person: Jeff Schmidt
E-mail: jeff@iris-env.com
Contact Telephone: (510) 834-4747
Report: Routine (Level 2) Level 3 Level 4 EDD
TAT: 10-day 5-day 72-hr 48-hr 24-hr Other:

Special Instructions/Comments:

*Use Dawn Zemo's gravimetric seperation method for TPH-d/mo groundwater analyses.

Use ~~TPH~~ silica gel cleanup for all TPH

RELINQUISHED BY:	RECEIVED BY:
Printed Name: Jeff Schmidt	Printed Name: Patricia Gonzalez
Signature: [signature]	Signature: Patricia Gonzalez
Company: Iris Env.	Company: Curtis & Tompkins
Time/Date: 1510 / 12-8-08	Time/Date: 12/8/8 3:10 pm

RELINQUISHED BY:	RECEIVED BY:
Printed Name	Printed Name
Signature	Signature
Company	Company
Time/Date	Time/Date

204342

IRIS ENVIRONMENTAL — CHAIN-OF-CUSTODY

1438 Webster Street, Suite 302
Oakland, California 94612
(510) 834-4747 tel
(510) 834-4199 fax

Date: 12/8/08 Page: 5 of 5 №: 2260

Sampler Name(s): Jeff Schmidt

Signature(s): [signature]

Analyses Required

	Sample ID	Date	Time	Matrix	Pres.	Priority Pol. Metals (6010/7000)	Asbestos (CARB 435)	TPH d/mo (8015)*	PAHs (8270-SIM)	VOCs (8260)	TPH-g + BTEX + MTBE (8260)									Number of Containers
41	WP-1-3.0	12-8-08	1305	Soil	—	X	X	X	X											1
42	WP-1-5.0	12-8-08	1310	Soil	—			X												1
43	WP-1-10.0	12-8-08	1310	Soil	—			X												1
44	WP-1-GW	12-8-08	1330	H_2O	Various			X		X	X									4
45	WP-2-GW-Dup	12-8-08	1140	H_2O	Various			X		X	X									4

PROJECT INFORMATION

Project Name: San Leandro
Project Number: 08-616-A
Contact Person: Jeff Schmidt
E-mail: jeff@irisenv.com
Contact Telephone: (510) 834-4747 x45
Report: Routine (Level 2) Level 3 Level 4 EDD
TAT: 10-day 5-day 72-hr 48-hr 24-hr Other:

Special Instructions/Comments:

* Use Dawn Zemo's gravimetric separation method for TPH d/m ground water analyses.
use silica gel cleanup on TPH analyses

RELINQUISHED BY:	RECEIVED BY:
Printed Name: Jeff Schmidt	Printed Name: Patricia Gonzalez
Signature: [signature]	Signature: Patricia Gonzalez
Company: Iris Env.	Company: Curtis & Tompkins
Time/Date: 1510 / 12-8-08	Time/Date: 12/8/8 310pm

RELINQUISHED BY:	RECEIVED BY:
Printed Name	Printed Name
Signature	Signature
Company	Company
Time/Date	Time/Date

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 708382 Date Received 12/8/18 Number of coolers 2
Client ERIS Project SAN LEANDRO

Date Opened 12/8/18 By (print) S. Ellis (sign) [illegible]
Date Logged in [illegible] By (print) [illegible] (sign) [illegible]

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

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

   ☑ Bubble Wrap ☐ Foam blocks ☑ Bags ☐ None
   ☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels
7. Temperature documentation:

   Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C) 6.3

   ☐ Samples Received on ice & cold without a temperature blank

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

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

COMMENTS

~~2 BUBBLES ARE~~ 4 TRIP BLANKS RECEIVED.

OPENED SOIL CONTAINERS TO SAMPLE FOR ASBESTOS

[illegible]

SOP Volume: Client Services
Section: 1.1.2
Page: 1 of 1

Rev. 6 Number 1 of 3
Effective: 23 July 2008
Z:\qc\forms\checklists\Cooler Receipt Checklist_rv6.doc

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A		
Matrix:	Water	Dilu Fac:	1.000
Units:	ug/L	Received:	12/08/08

Field ID:	EP-1-GW	Batch#:	145970
Type:	SAMPLE	Sampled:	12/06/08
Lab ID:	208382-003	Analyzed:	12/13/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	50	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	101	61-149	EPA 8015B
Bromofluorobenzene (FID)	133	65-146	EPA 8015B
Trifluorotoluene (PID)	108	52-143	EPA 8021B
Bromofluorobenzene (PID)	147 *	56-141	EPA 8021B

Field ID:	EP-2-GW	Batch#:	145970
Type:	SAMPLE	Sampled:	12/06/08
Lab ID:	208382-006	Analyzed:	12/13/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	61-149	EPA 8015B
Bromofluorobenzene (FID)	132	65-146	EPA 8015B
Trifluorotoluene (PID)	110	52-143	EPA 8021B
Bromofluorobenzene (PID)	158 *	56-141	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A		
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	12/08/08

Field ID:	EP-3-GW	Batch#:	145970
Type:	SAMPLE	Sampled:	12/06/08
Lab ID:	208382-009	Analyzed:	12/13/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	98	61-149	EPA 8015B
Bromofluorobenzene (FID)	110	65-146	EPA 8015B
Trifluorotoluene (PID)	110	52-143	EPA 8021B
Bromofluorobenzene (PID)	127	56-141	EPA 8021B

Field ID:	WP-7-GW	Batch#:	145875
Type:	SAMPLE	Sampled:	12/06/08
Lab ID:	208382-014	Analyzed:	12/11/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	100	61-149	EPA 8015B
Bromofluorobenzene (FID)	108	65-146	EPA 8015B
Trifluorotoluene (PID)	113	52-143	EPA 8021B
Bromofluorobenzene (PID)	123	56-141	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A		
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	12/08/08

Field ID:	WP-6-GW	Batch#:	145875
Type:	SAMPLE	Sampled:	12/06/08
Lab ID:	208382-019	Analyzed:	12/11/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	920	50	EPA 8015B
MTBE	16 C	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	2.0	0.50	EPA 8021B
Ethylbenzene	11 C	0.50	EPA 8021B
m,p-Xylenes	11 C	0.50	EPA 8021B
o-Xylene	5.3 C	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	144	61-149	EPA 8015B
Bromofluorobenzene (FID)	126	65-146	EPA 8015B
Trifluorotoluene (PID)	162 *	52-143	EPA 8021B
Bromofluorobenzene (PID)	144 *	56-141	EPA 8021B

Field ID:	WP-5-GW	Batch#:	145875
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-024	Analyzed:	12/11/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	2,800 Y	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	2.8 C	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	13 C	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	61-149	EPA 8015B
Bromofluorobenzene (FID)	145	65-146	EPA 8015B
Trifluorotoluene (PID)	110	52-143	EPA 8021B
Bromofluorobenzene (PID)	123	56-141	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A		
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	12/08/08

Field ID:	WP-4-GW	Batch#:	145875
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-029	Analyzed:	12/11/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	61-149	EPA 8015B
Bromofluorobenzene (FID)	104	65-146	EPA 8015B
Trifluorotoluene (PID)	107	52-143	EPA 8021B
Bromofluorobenzene (PID)	112	56-141	EPA 8021B

Field ID:	WP-3-GW	Batch#:	145875
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-034	Analyzed:	12/11/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	100	61-149	EPA 8015B
Bromofluorobenzene (FID)	101	65-146	EPA 8015B
Trifluorotoluene (PID)	106	52-143	EPA 8021B
Bromofluorobenzene (PID)	112	56-141	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A		
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	12/08/08

Field ID:	WP-2-GW	Batch#:	145875
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-039	Analyzed:	12/11/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	2.2	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	101	61-149	EPA 8015B
Bromofluorobenzene (FID)	121	65-146	EPA 8015B
Trifluorotoluene (PID)	112	52-143	EPA 8021B
Bromofluorobenzene (PID)	141	56-141	EPA 8021B

Field ID:	WP-1-GW	Batch#:	145875
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-044	Analyzed:	12/11/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	61-149	EPA 8015B
Bromofluorobenzene (FID)	132	65-146	EPA 8015B
Trifluorotoluene (PID)	108	52-143	EPA 8021B
Bromofluorobenzene (PID)	141	56-141	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A		
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	12/08/08

Field ID:	WP-2-GW-DUP	Batch#:	145875
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-045	Analyzed:	12/11/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	2.2	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	61-149	EPA 8015B
Bromofluorobenzene (FID)	100	65-146	EPA 8015B
Trifluorotoluene (PID)	109	52-143	EPA 8021B
Bromofluorobenzene (PID)	112	56-141	EPA 8021B

Type:	BLANK	Batch#:	145875
Lab ID:	QC474826	Analyzed:	12/11/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	97	61-149	EPA 8015B
Bromofluorobenzene (FID)	95	65-146	EPA 8015B
Trifluorotoluene (PID)	108	52-143	EPA 8021B
Bromofluorobenzene (PID)	109	56-141	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A		
Matrix:	Water	Diln Fac:	1.000
Units:	ug/L	Received:	12/08/08

Type:	BLANK	Batch#:	145970
Lab ID:	QC475248	Analyzed:	12/13/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	98	61-149	EPA 8015B
Bromofluorobenzene (FID)	97	65-146	EPA 8015B
Trifluorotoluene (PID)	105	52-143	EPA 8021B
Bromofluorobenzene (PID)	106	56-141	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC474827	Batch#:	145875
Matrix:	Water	Analyzed:	12/11/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,056	106	78-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	119	61-149
Bromofluorobenzene (FID)	104	65-146

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC474828	Batch#:	145875
Matrix:	Water	Analyzed:	12/11/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
MTBE	10.00	10.41	104	61-143
Benzene	10.00	10.30	103	80-120
Toluene	10.00	10.97	110	77-120
Ethylbenzene	10.00	10.86	109	79-123
m,p-Xylenes	10.00	11.39	114	78-123
o-Xylene	10.00	11.41	114	78-122

Surrogate	%REC	Limits
Trifluorotoluene (PID)	112	52-143
Bromofluorobenzene (PID)	110	56-141

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	145875
MSS Lab ID:	208446-001	Sampled:	12/08/08
Matrix:	Water	Received:	12/09/08
Units:	ug/L	Analyzed:	12/12/08
Diln Fac:	1.000		

Type: MS Lab ID: QC474829

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	13.82	2,000	1,869	93	65-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	134	61-149
Bromofluorobenzene (FID)	109	65-146

Type: MSD Lab ID: QC474830

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,881	93	65-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	134	61-149
Bromofluorobenzene (FID)	109	65-146

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	145970
Units:	ug/L	Analyzed:	12/13/08
Diln Fac:	1.000		

Type: BS Lab ID: QC475249

Analyte	Spiked	Result	%REC	Limits
MTBE	30.00	28.94	96	61-143
Benzene	30.00	30.76	103	80-120
Toluene	30.00	29.54	98	77-120
Ethylbenzene	30.00	31.21	104	79-123
m,p-Xylenes	30.00	32.16	107	78-123
o-Xylene	30.00	32.48	108	78-122

Surrogate	%REC	Limits
Trifluorotoluene (PID)	115	52-143
Bromofluorobenzene (PID)	115	56-141

Type: BSD Lab ID: QC475250

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	30.00	30.66	102	61-143	6	32
Benzene	30.00	30.60	102	80-120	1	20
Toluene	30.00	29.42	98	77-120	0	20
Ethylbenzene	30.00	30.54	102	79-123	2	20
m,p-Xylenes	30.00	33.10	110	78-123	3	21
o-Xylene	30.00	32.74	109	78-122	1	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	111	52-143
Bromofluorobenzene (PID)	114	56-141

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC475251	Batch#:	145970
Matrix:	Water	Analyzed:	12/13/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	3,000	2,965	99	78-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	150 *	61-149
Bromofluorobenzene (FID)	110	65-146

*= Value outside of QC limits; see narrative

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	145970
MSS Lab ID:	208573-001	Sampled:	12/12/08
Matrix:	Water	Received:	12/12/08
Units:	ug/L	Analyzed:	12/13/08
Diln Fac:	1.000		

Type: MS Lab ID: QC475252

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	5,427	2,000	7,347	96	65-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	162 *	61-149
Bromofluorobenzene (FID)	190 *	65-146

Type: MSD Lab ID: QC475253

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	7,808	119	65-120	6	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	157 *	61-149
Bromofluorobenzene (FID)	194 *	65-146

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3520C
Project#:	08-616-A	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	145910
Units:	ug/L	Received:	12/08/08
Diln Fac:	1.000	Prepared:	12/11/08

Field ID:	EP-1-GW	Sampled:	12/06/08
Type:	SAMPLE	Analyzed:	12/13/08
Lab ID:	208382-003	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	92	58-127

Field ID:	EP-2-GW	Sampled:	12/06/08
Type:	SAMPLE	Analyzed:	12/13/08
Lab ID:	208382-006	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	102	58-127

Field ID:	EP-3-GW	Sampled:	12/06/08
Type:	SAMPLE	Analyzed:	12/13/08
Lab ID:	208382-009	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	92	58-127

Field ID:	WP-7-GW	Sampled:	12/06/08
Type:	SAMPLE	Analyzed:	12/13/08
Lab ID:	208382-014	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	98	58-127

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3520C
Project#:	08-616-A	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	145910
Units:	ug/L	Received:	12/08/08
Diln Fac:	1.000	Prepared:	12/11/08

Field ID:	WP-6-GW	Sampled:	12/06/08
Type:	SAMPLE	Analyzed:	12/13/08
Lab ID:	208382-019	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	480 Y	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	99	58-127

Field ID:	WP-5-GW	Sampled:	12/08/08
Type:	SAMPLE	Analyzed:	12/13/08
Lab ID:	208382-024	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	21,000	50
Motor Oil C24-C36	11,000	300

Surrogate	%REC	Limits
Hexacosane	75	58-127

Field ID:	WP-4-GW	Sampled:	12/08/08
Type:	SAMPLE	Analyzed:	12/13/08
Lab ID:	208382-029	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	111	58-127

Field ID:	WP-3-GW	Sampled:	12/08/08
Type:	SAMPLE	Analyzed:	12/13/08
Lab ID:	208382-034	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	97	58-127

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3520C
Project#:	08-616-A	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	145910
Units:	ug/L	Received:	12/08/08
Diln Fac:	1.000	Prepared:	12/11/08

Field ID:	WP-2-GW	Sampled:	12/08/08
Type:	SAMPLE	Analyzed:	12/14/08
Lab ID:	208382-039	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	86	58-127

Field ID:	WP-1-GW	Sampled:	12/08/08
Type:	SAMPLE	Analyzed:	12/14/08
Lab ID:	208382-044	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	107	58-127

Field ID:	WP-2-GW-DUP	Sampled:	12/08/08
Type:	SAMPLE	Analyzed:	12/14/08
Lab ID:	208382-045	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	103	58-127

Type:	BLANK	Analyzed:	12/14/08
Lab ID:	QC474988	Cleanup Method:	EPA 3630C

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

Surrogate	%REC	Limits
Hexacosane	91	58-127

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

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3520C
Project#:	08-616-A	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	145910
Units:	ug/L	Prepared:	12/11/08
Diln Fac:	1.000	Analyzed:	12/13/08

Type: BS Cleanup Method: EPA 3630C
Lab ID: QC474989

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,763	71	52-120

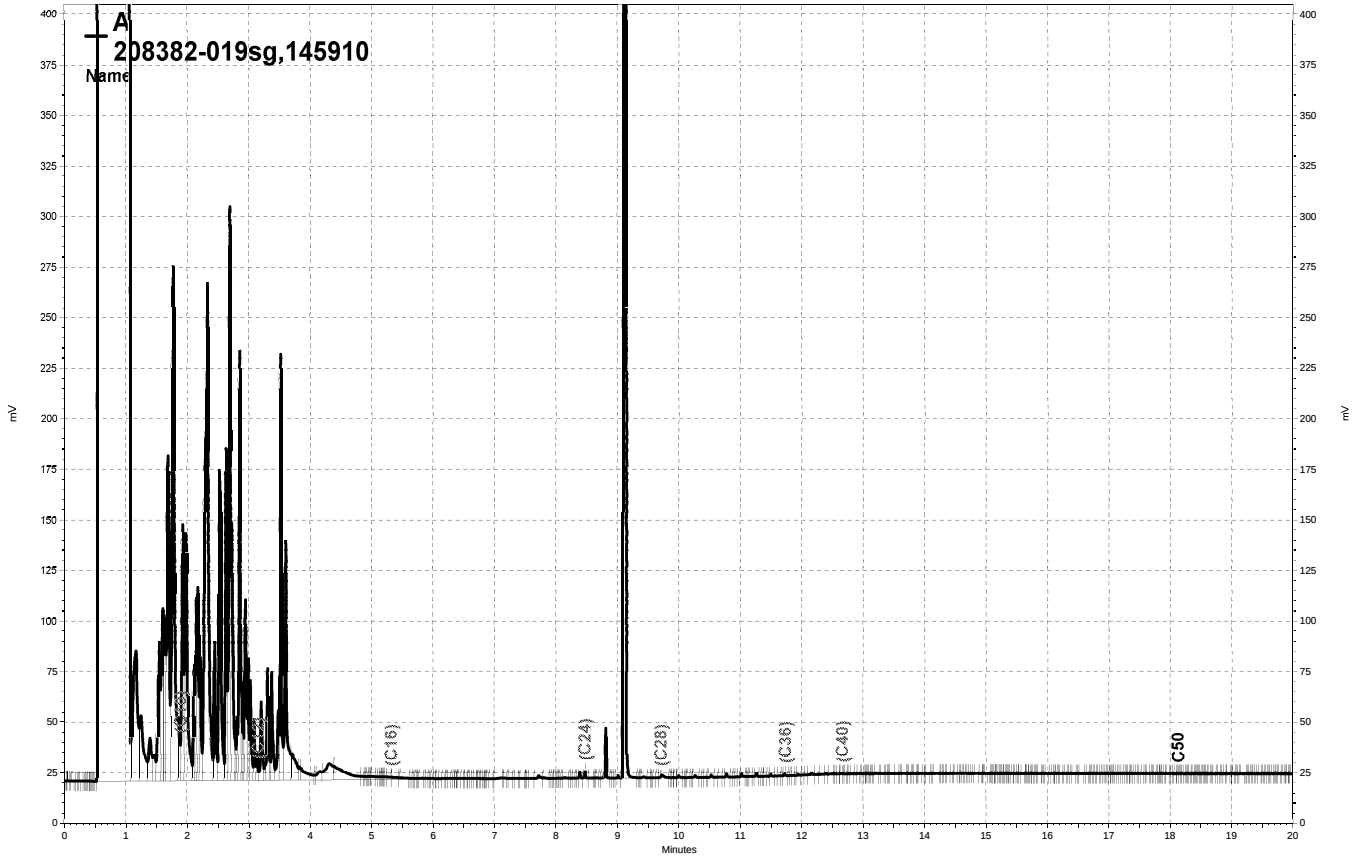
Surrogate	%REC	Limits
Hexacosane	84	58-127

Type: BSD Cleanup Method: EPA 3630C
Lab ID: QC474990

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,989	80	52-120	12	30

Surrogate	%REC	Limits
Hexacosane	92	58-127

RPD= Relative Percent Difference



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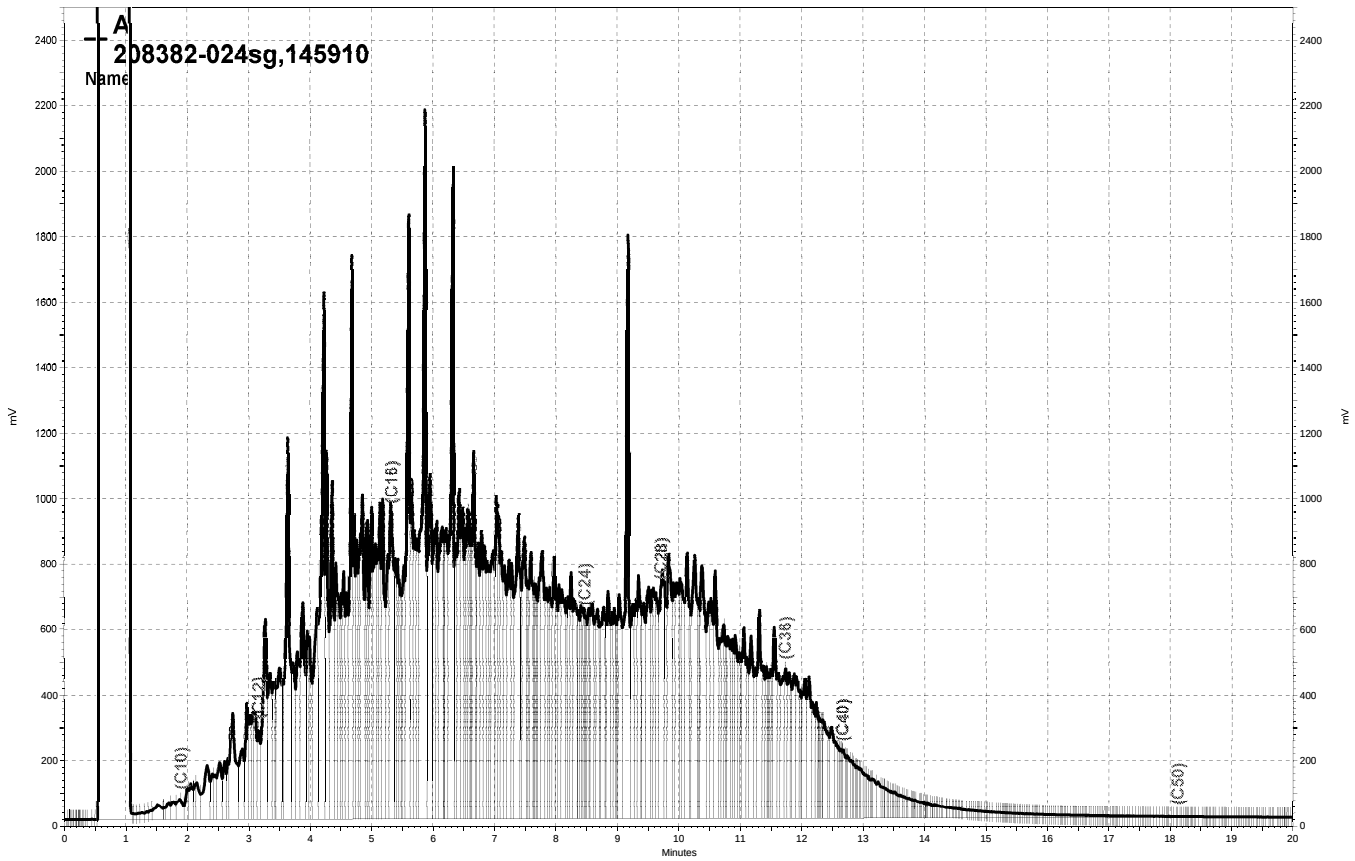

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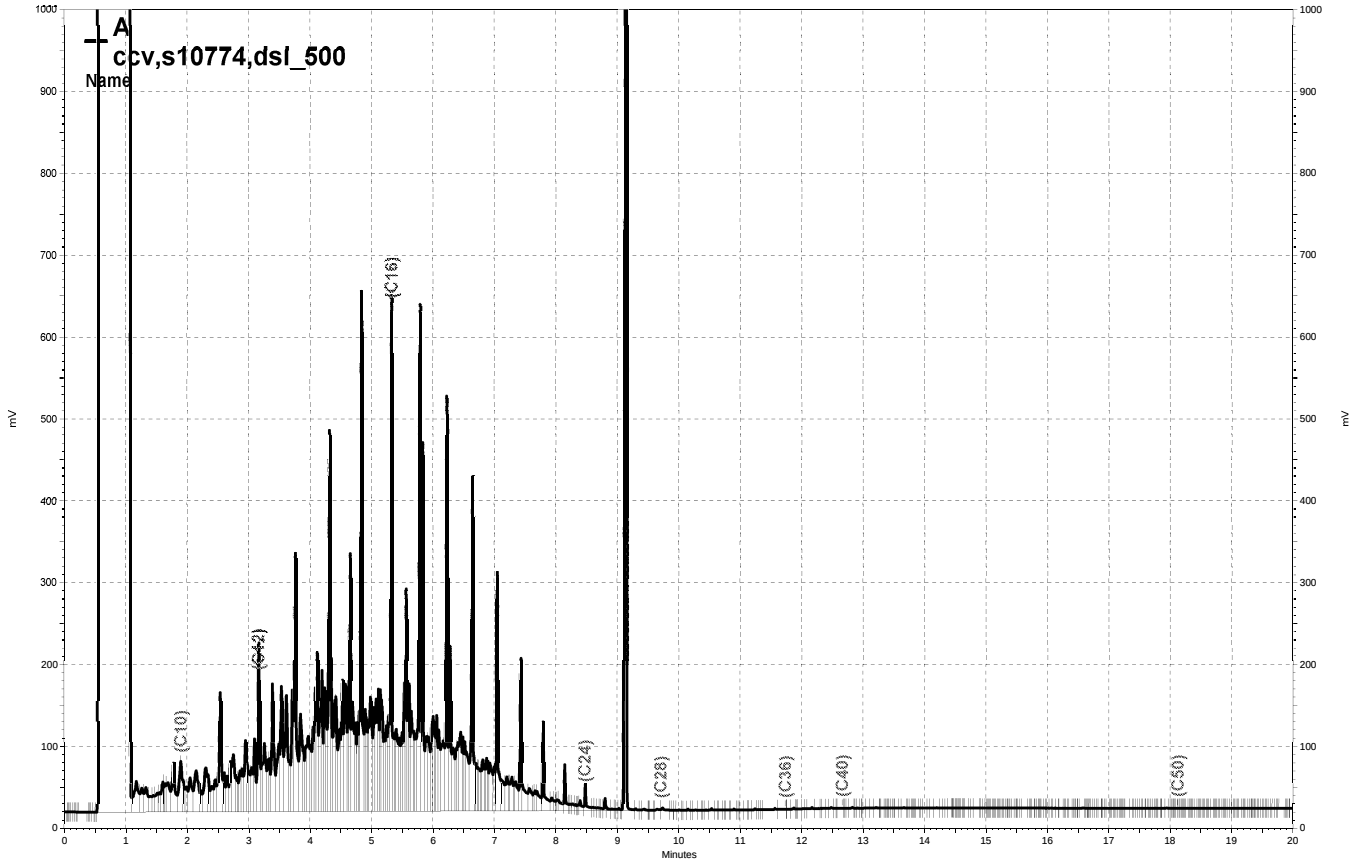

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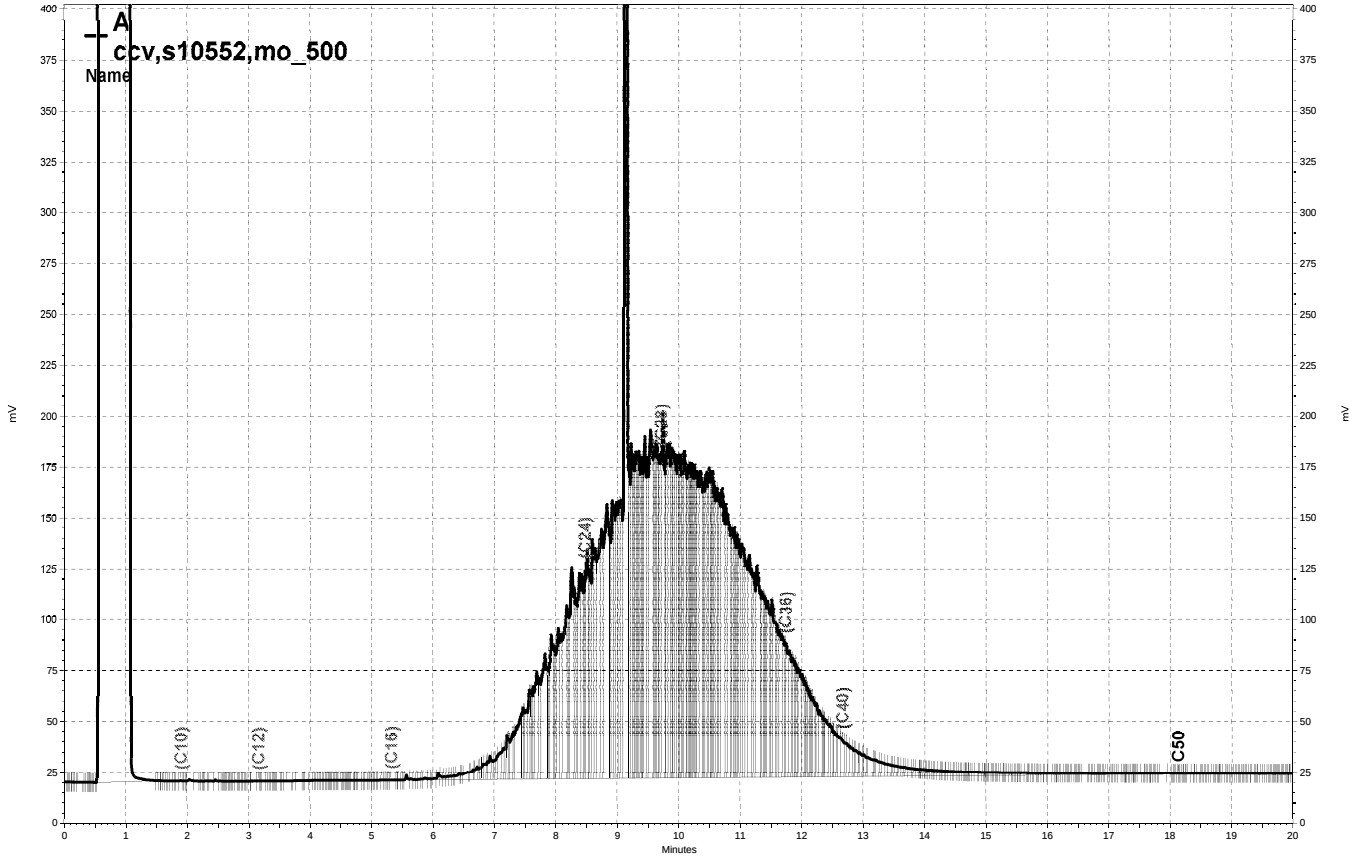

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Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	SHAKER TABLE
Project#:	08-616-A	Analysis:	EPA 8015B
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Field ID:	WP-7-3.0	Batch#:	145786
Type:	SAMPLE	Sampled:	12/06/08
Lab ID:	208382-011	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	65	46-130

Field ID:	WP-7-5.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/06/08
Lab ID:	208382-012	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	98	46-130

Field ID:	WP-7-9.5	Batch#:	145766
Type:	SAMPLE	Sampled:	12/06/08
Lab ID:	208382-013	Analyzed:	12/09/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	90	46-130

Field ID:	WP-6-3.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/06/08
Lab ID:	208382-016	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	84	46-130

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	SHAKER TABLE
Project#:	08-616-A	Analysis:	EPA 8015B
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Field ID:	WP-6-5.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/06/08
Lab ID:	208382-017	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1.5 Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	94	46-130

Field ID:	WP-6-10.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/06/08
Lab ID:	208382-018	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	87	46-130

Field ID:	WP-5-3.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-021	Analyzed:	12/10/08
Diln Fac:	20.00	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	8,900	20
Motor Oil C24-C36	4,500	100

Surrogate	%REC	Limits
Hexacosane	DO	46-130

Field ID:	WP-5-5.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-022	Analyzed:	12/11/08
Diln Fac:	20.00	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	8,700	20
Motor Oil C24-C36	4,300	100

Surrogate	%REC	Limits
Hexacosane	DO	46-130

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	SHAKER TABLE
Project#:	08-616-A	Analysis:	EPA 8015B
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Field ID:	WP-5-10.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-023	Analyzed:	12/11/08
Diln Fac:	20.00	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	2,400	20
Motor Oil C24-C36	1,200	99

Surrogate	%REC	Limits
Hexacosane	DO	46-130

Field ID:	WP-4-3.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-026	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	5.2 Y	5.0

Surrogate	%REC	Limits
Hexacosane	67	46-130

Field ID:	WP-4-5.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-027	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	73	46-130

Field ID:	WP-4-10.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-028	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1.1 Y	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	86	46-130

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	SHAKER TABLE
Project#:	08-616-A	Analysis:	EPA 8015B
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Field ID:	WP-3-3.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-031	Analyzed:	12/10/08
Diln Fac:	50.00	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	2,100 Y	100
Motor Oil C24-C36	5,100	500

Surrogate	%REC	Limits
Hexacosane	DO	46-130

Field ID:	WP-3-5.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-032	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	18 Y	1.0
Motor Oil C24-C36	81	5.0

Surrogate	%REC	Limits
Hexacosane	73	46-130

Field ID:	WP-3-10.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-033	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1.3 Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	83	46-130

Field ID:	WP-2-2.5	Batch#:	145766
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-036	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	74	46-130

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	SHAKER TABLE
Project#:	08-616-A	Analysis:	EPA 8015B
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Field ID:	WP-2-5.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-037	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1.1 Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	78	46-130

Field ID:	WP-2-10.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-038	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1.5 Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	84	46-130

Field ID:	WP-1-3.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-041	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1.5 Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	79	46-130

Field ID:	WP-1-5.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-042	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	88	46-130

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	SHAKER TABLE
Project#:	08-616-A	Analysis:	EPA 8015B
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Field ID:	WP-1-10.0	Batch#:	145766
Type:	SAMPLE	Sampled:	12/08/08
Lab ID:	208382-043	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	2.1 Y	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	85	46-130

Type:	BLANK	Batch#:	145766
Lab ID:	QC474360	Analyzed:	12/09/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	82	46-130

Type:	BLANK	Batch#:	145786
Lab ID:	QC474422	Analyzed:	12/10/08
Diln Fac:	1.000	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	0.99
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	80	46-130

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

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	SHAKER TABLE
Project#:	08-616-A	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC474361	Batch#:	145766
Matrix:	Soil	Prepared:	12/09/08
Units:	mg/Kg	Analyzed:	12/09/08
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.10	43.22	86	51-123

Surrogate	%REC	Limits
Hexacosane	94	46-130

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	SHAKER TABLE
Project#:	08-616-A	Analysis:	EPA 8015B
Field ID:	WP-7-9.5	Batch#:	145766
MSS Lab ID:	208382-013	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received	Analyzed:	12/10/08
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC474362

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	0.6759	50.11	47.88	94	38-140

Surrogate	%REC	Limits
Hexacosane	93	46-130

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC474363

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.01	38.51	76	38-140	22	49

Surrogate	%REC	Limits
Hexacosane	79	46-130

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	SHAKER TABLE
Project#:	08-616-A	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC474423	Batch#:	145786
Matrix:	Soil	Prepared:	12/09/08
Units:	mg/Kg	Analyzed:	12/10/08
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	49.94	39.14	78	51-123

Surrogate	%REC	Limits
Hexacosane	71	46-130

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	SHAKER TABLE
Project#:	08-616-A	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	145786
MSS Lab ID:	208422-001	Sampled:	12/09/08
Matrix:	Soil	Received:	12/09/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received	Analyzed:	12/10/08
Diln Fac:	1.000		

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC474424

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	1.480	49.52	38.35	74	38-140

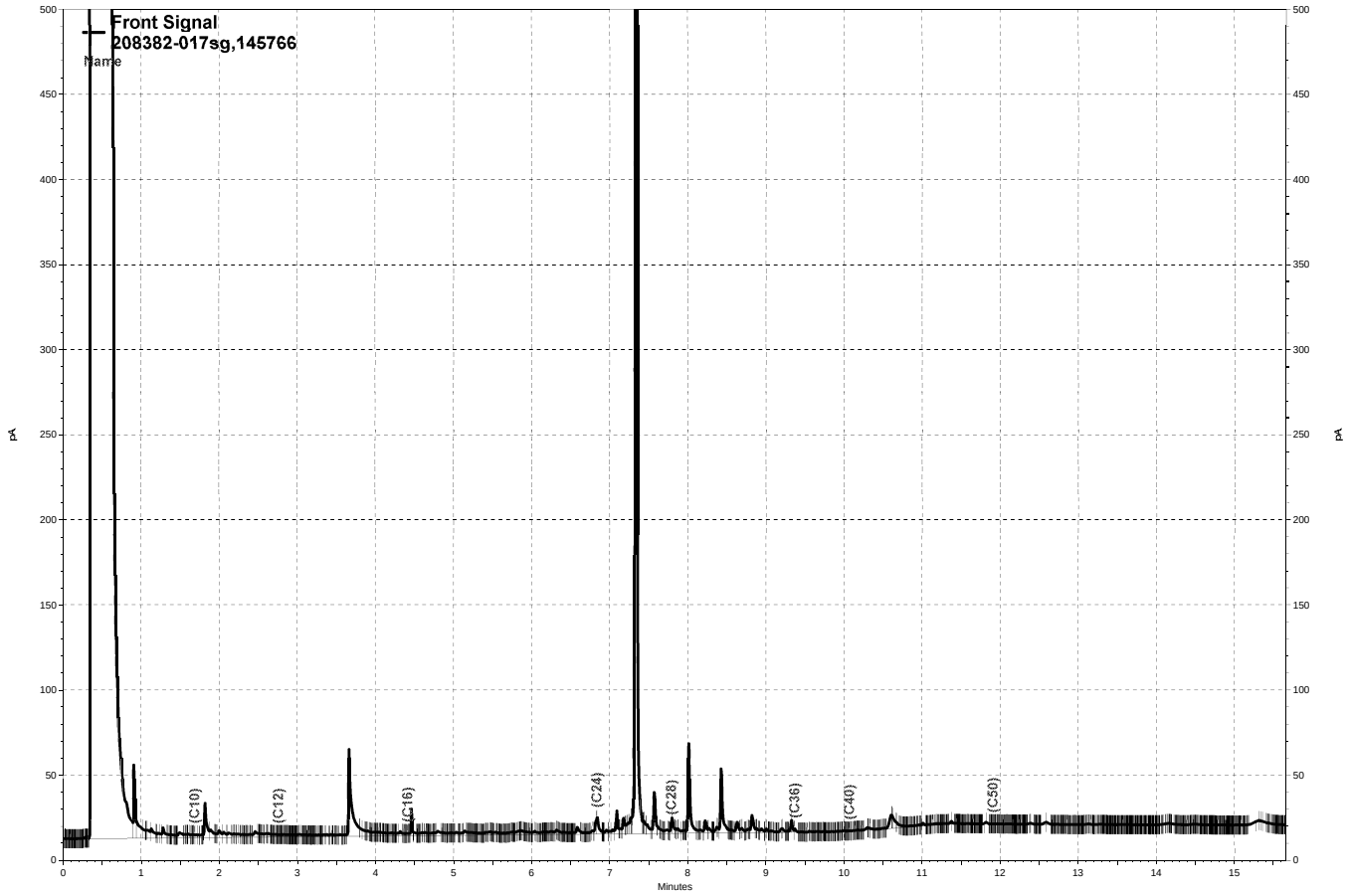
Surrogate	%REC	Limits
Hexacosane	73	46-130

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC474425

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	49.70	39.45	76	38-140	2	49

Surrogate	%REC	Limits
Hexacosane	78	46-130

RPD= Relative Percent Difference



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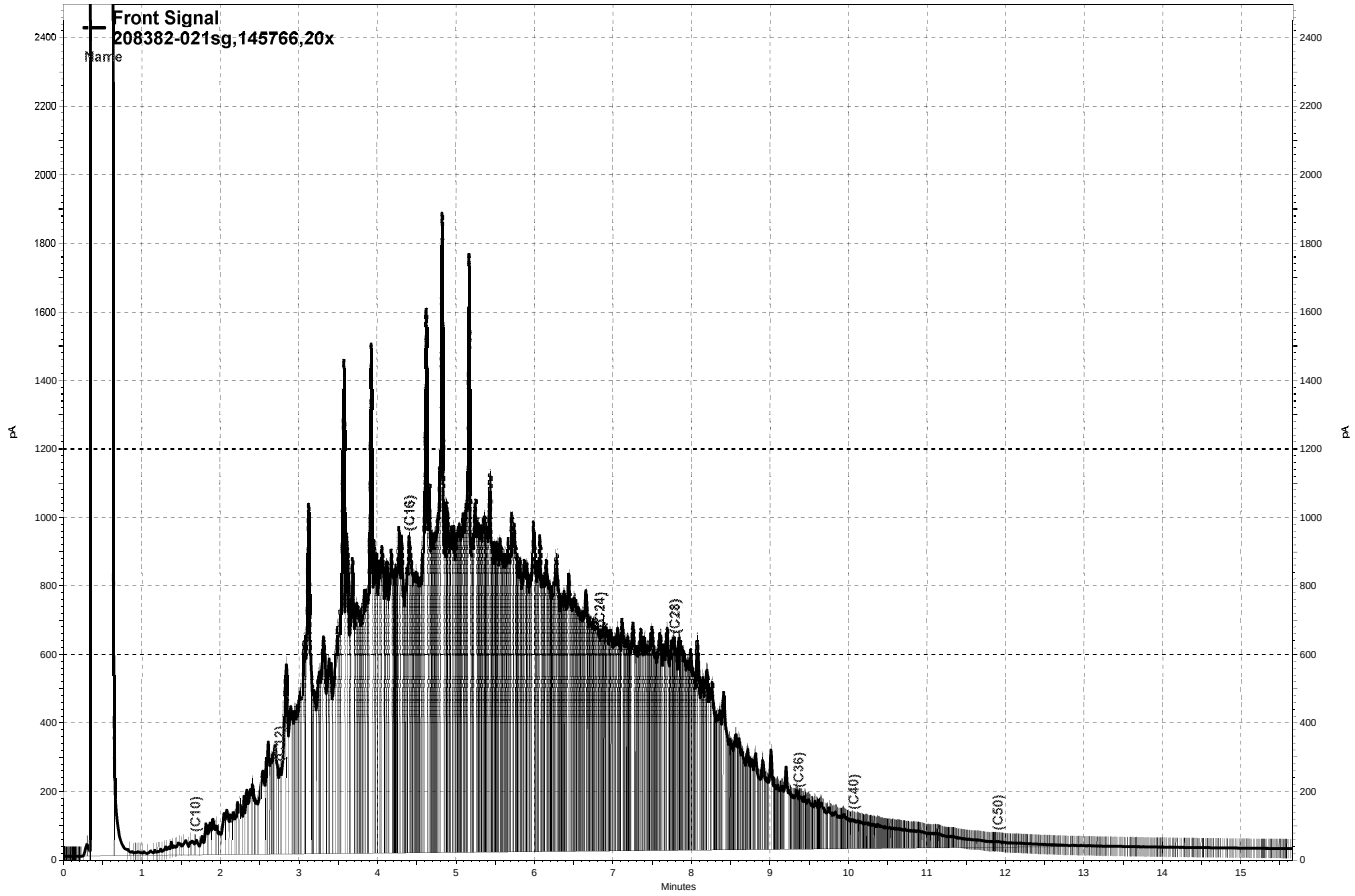

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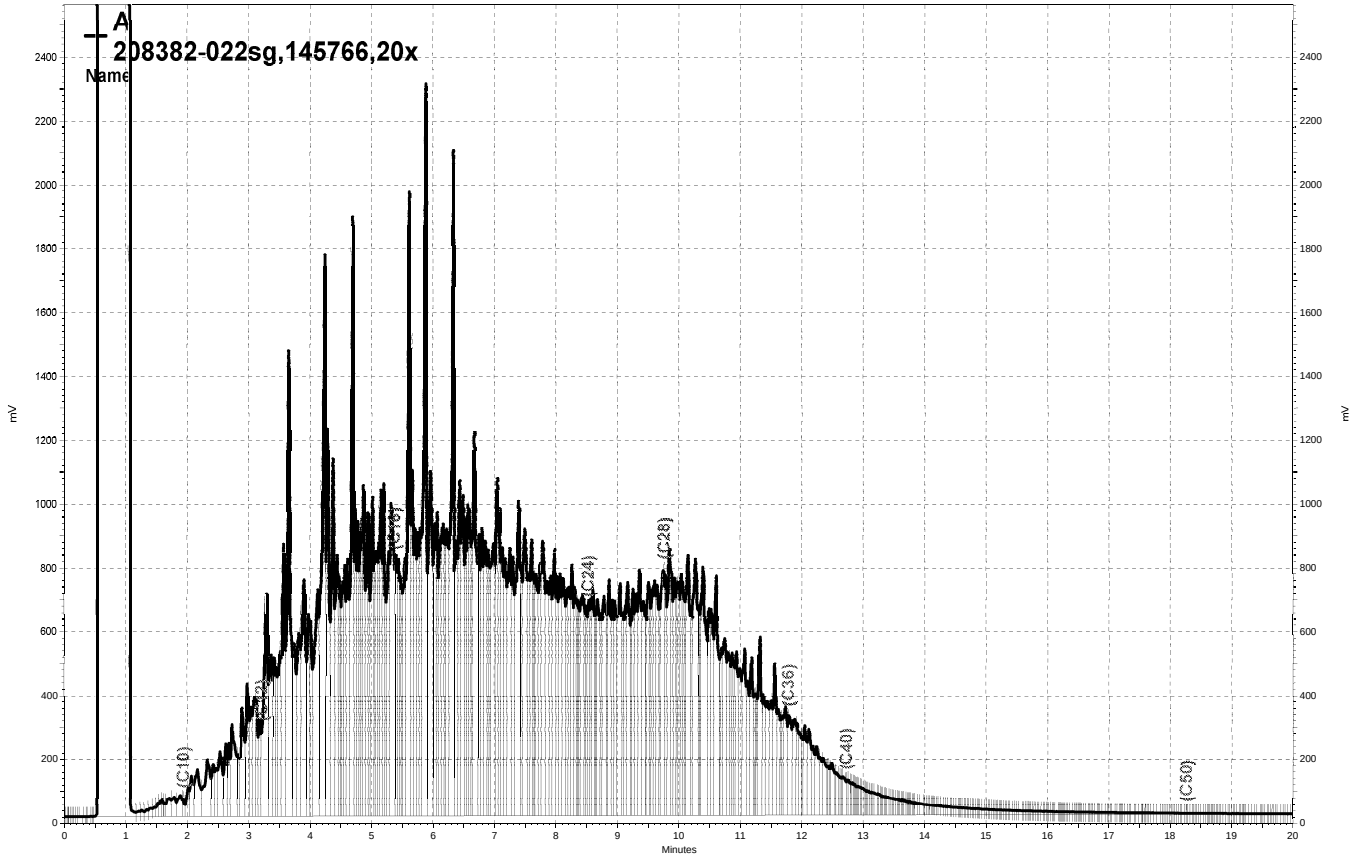

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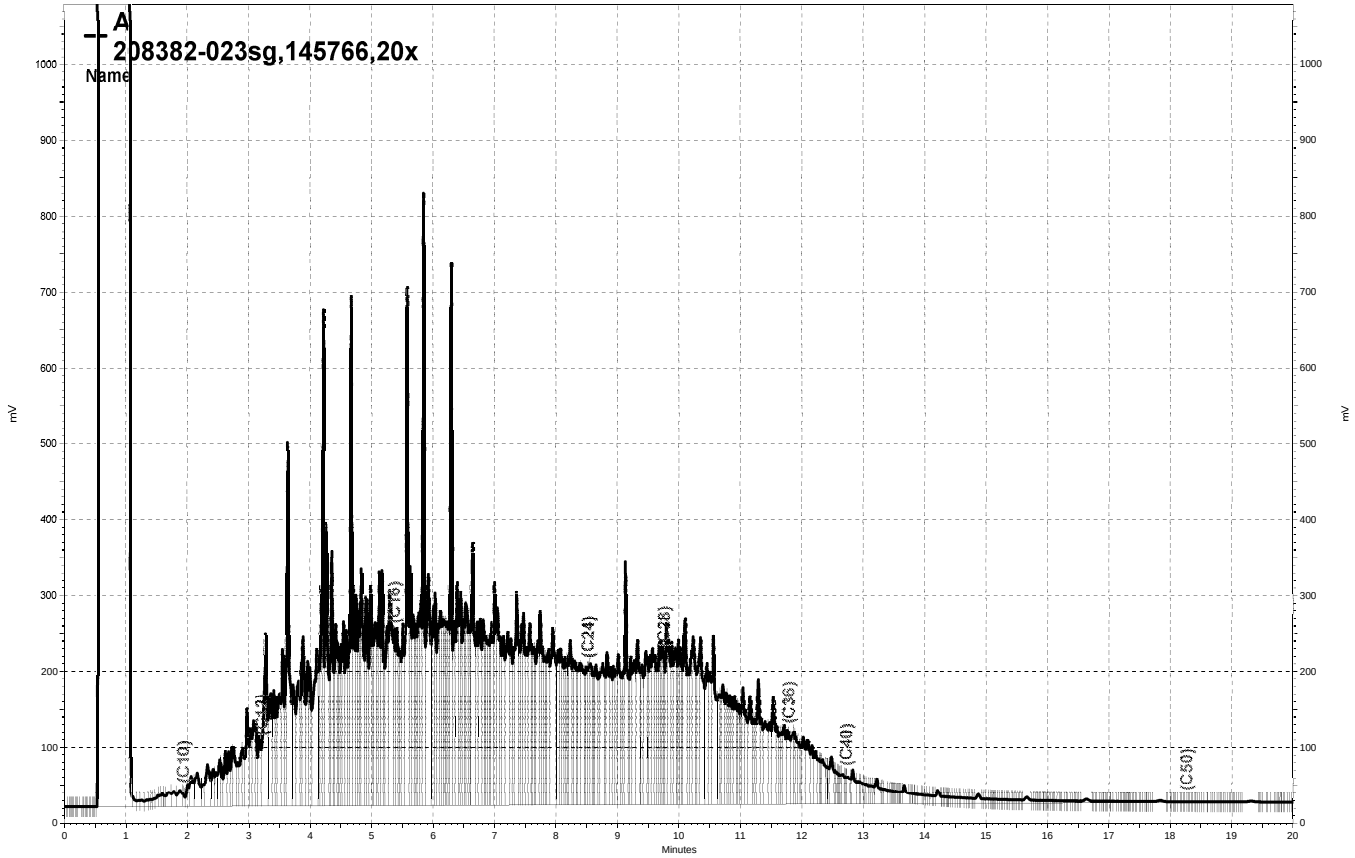

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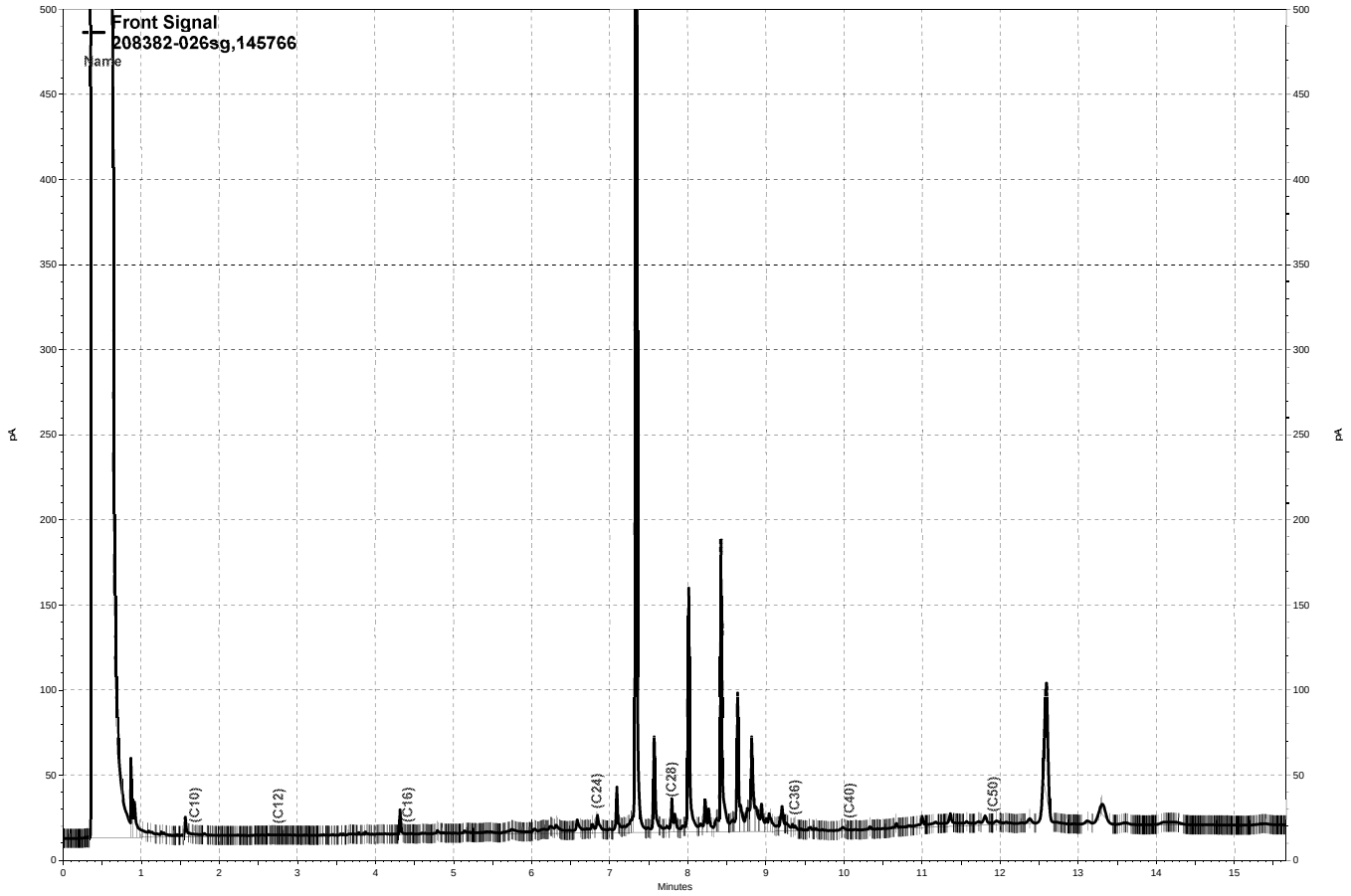

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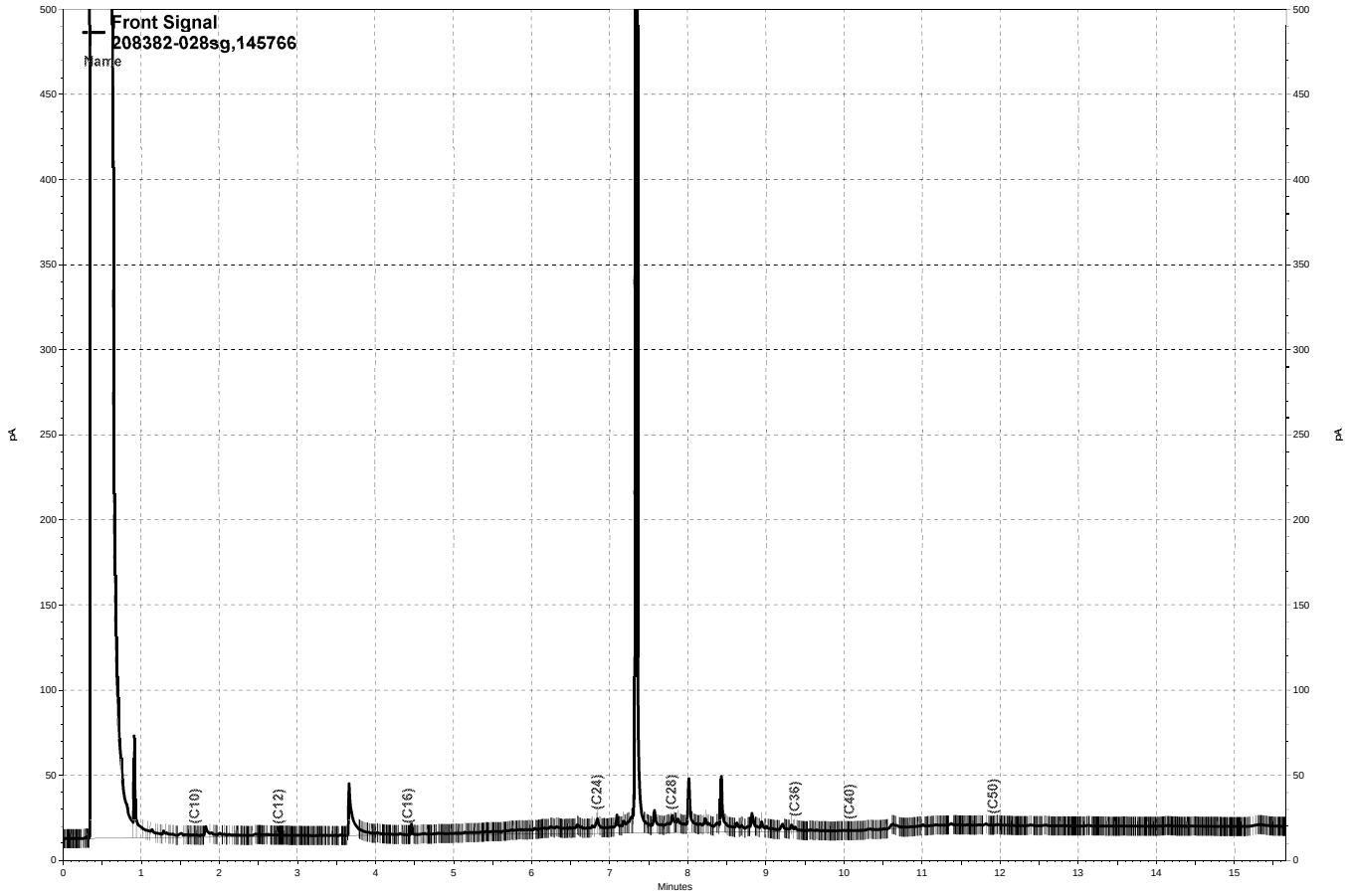

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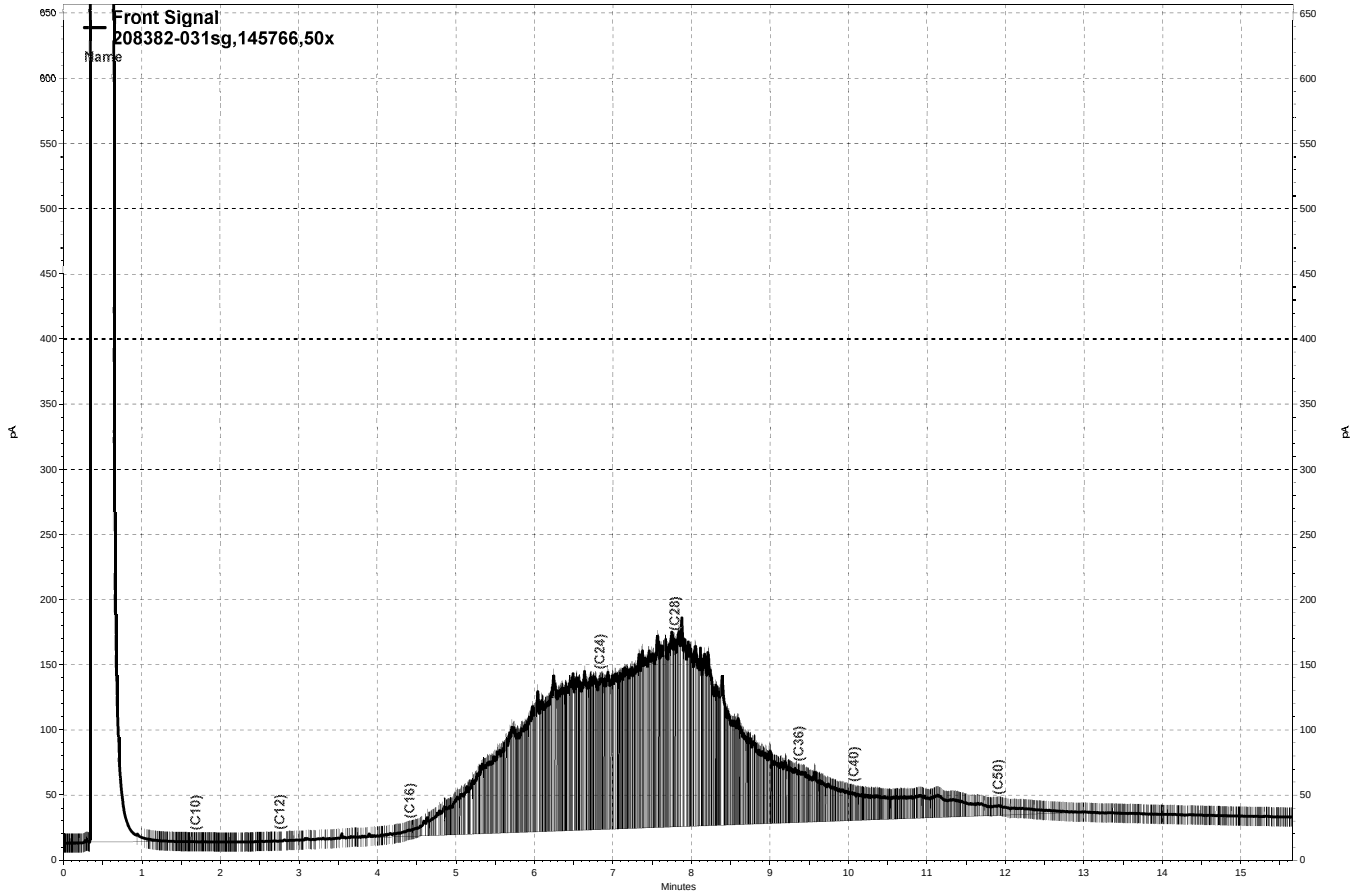

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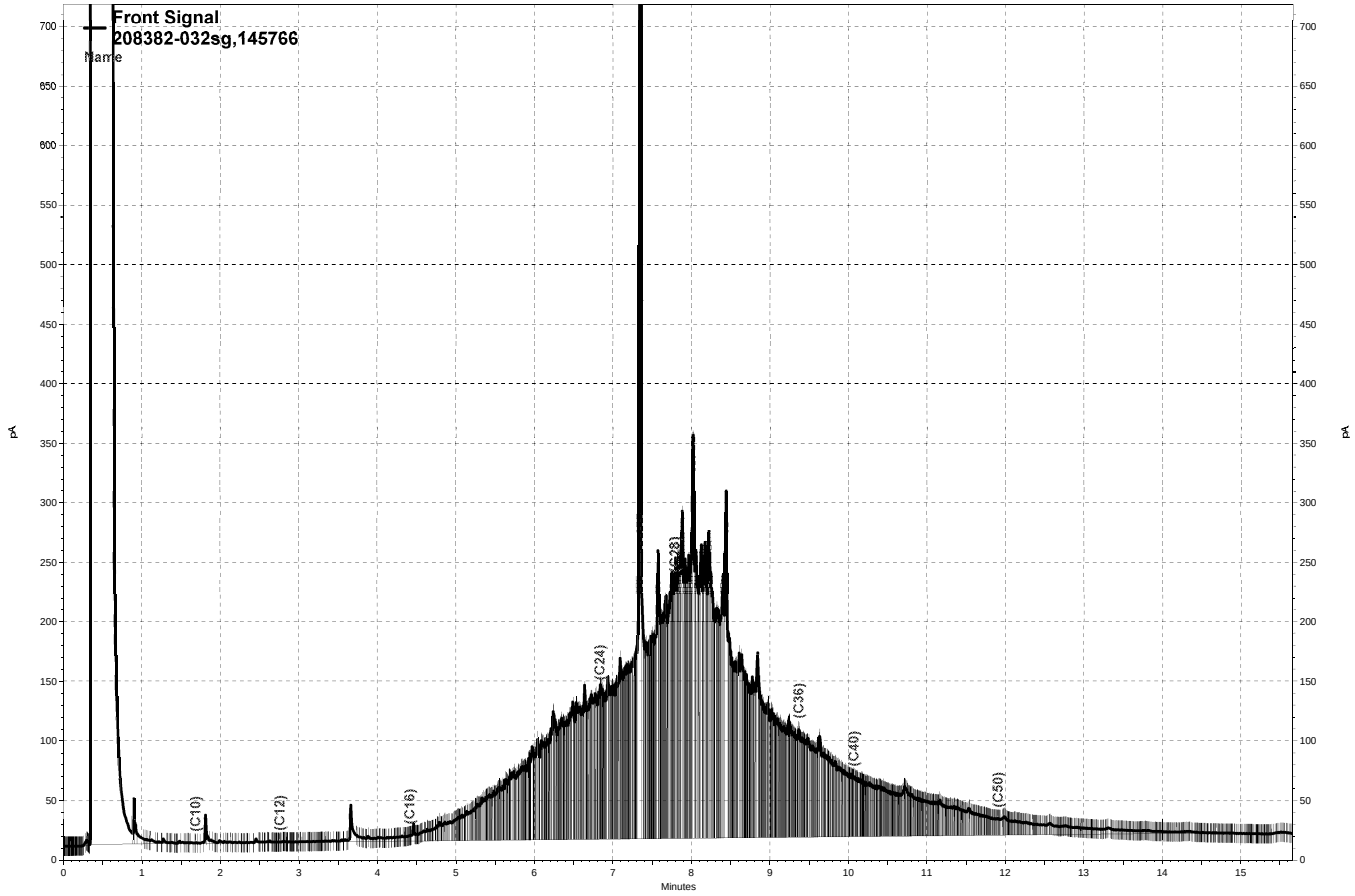

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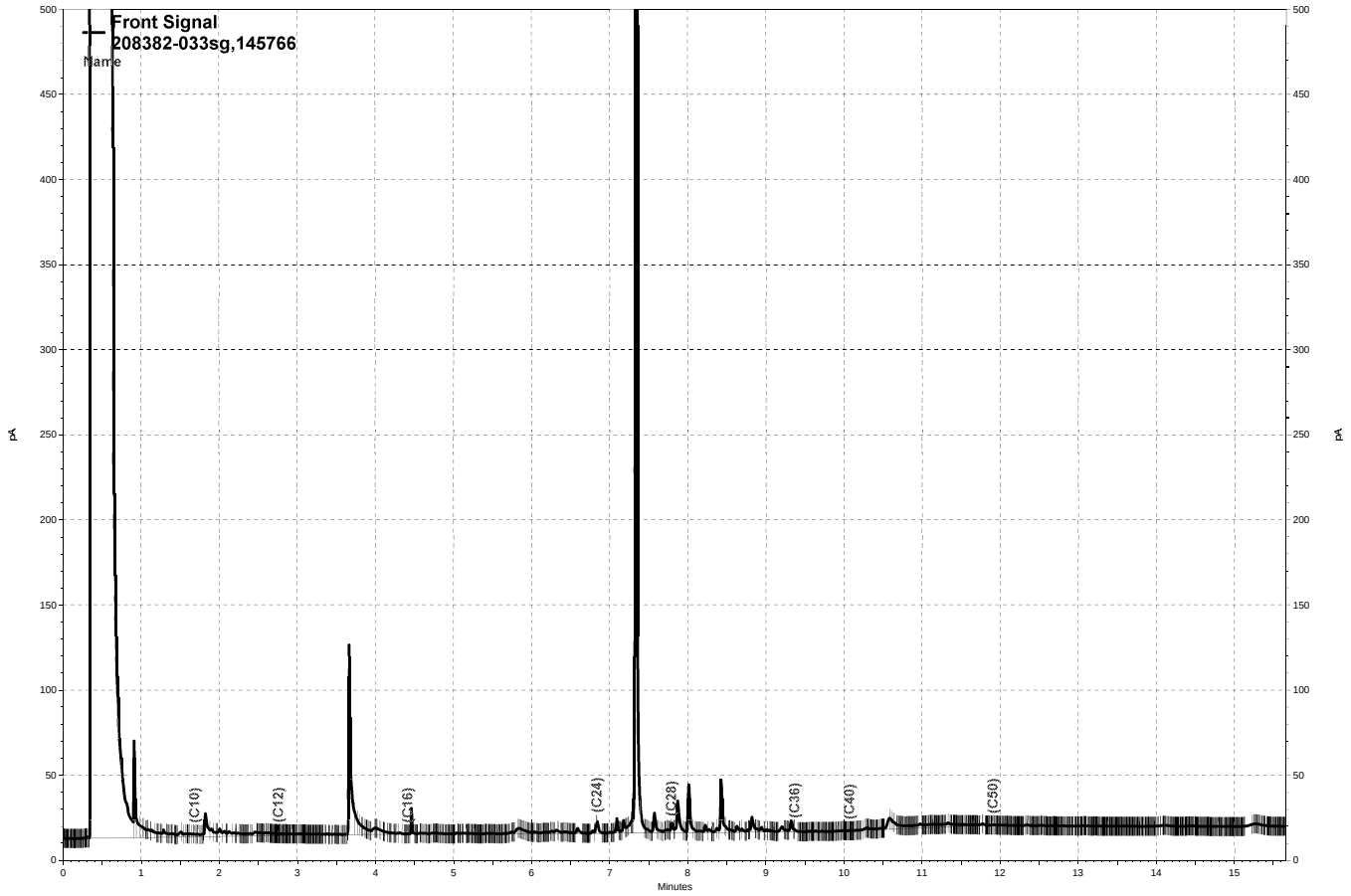

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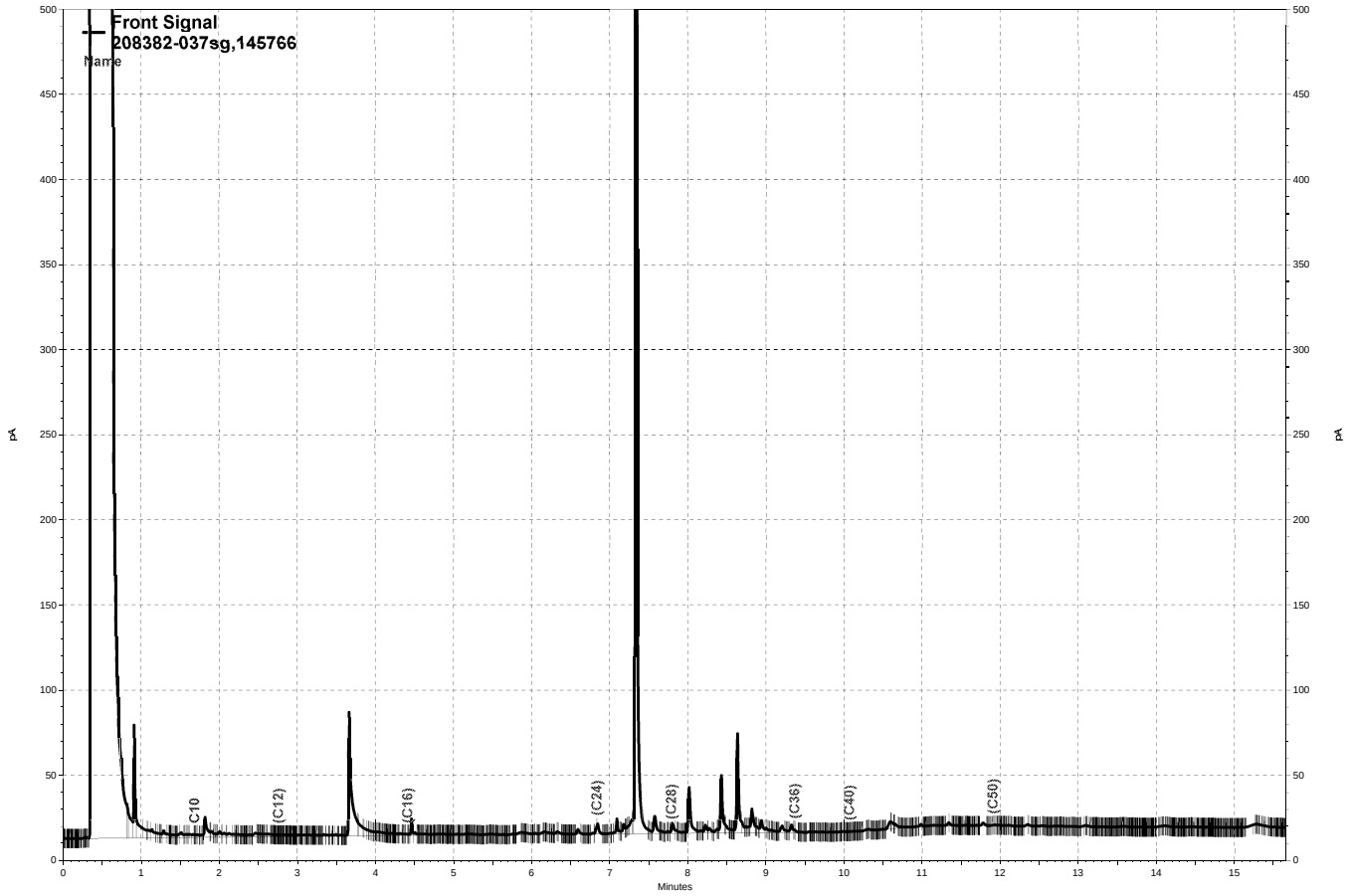

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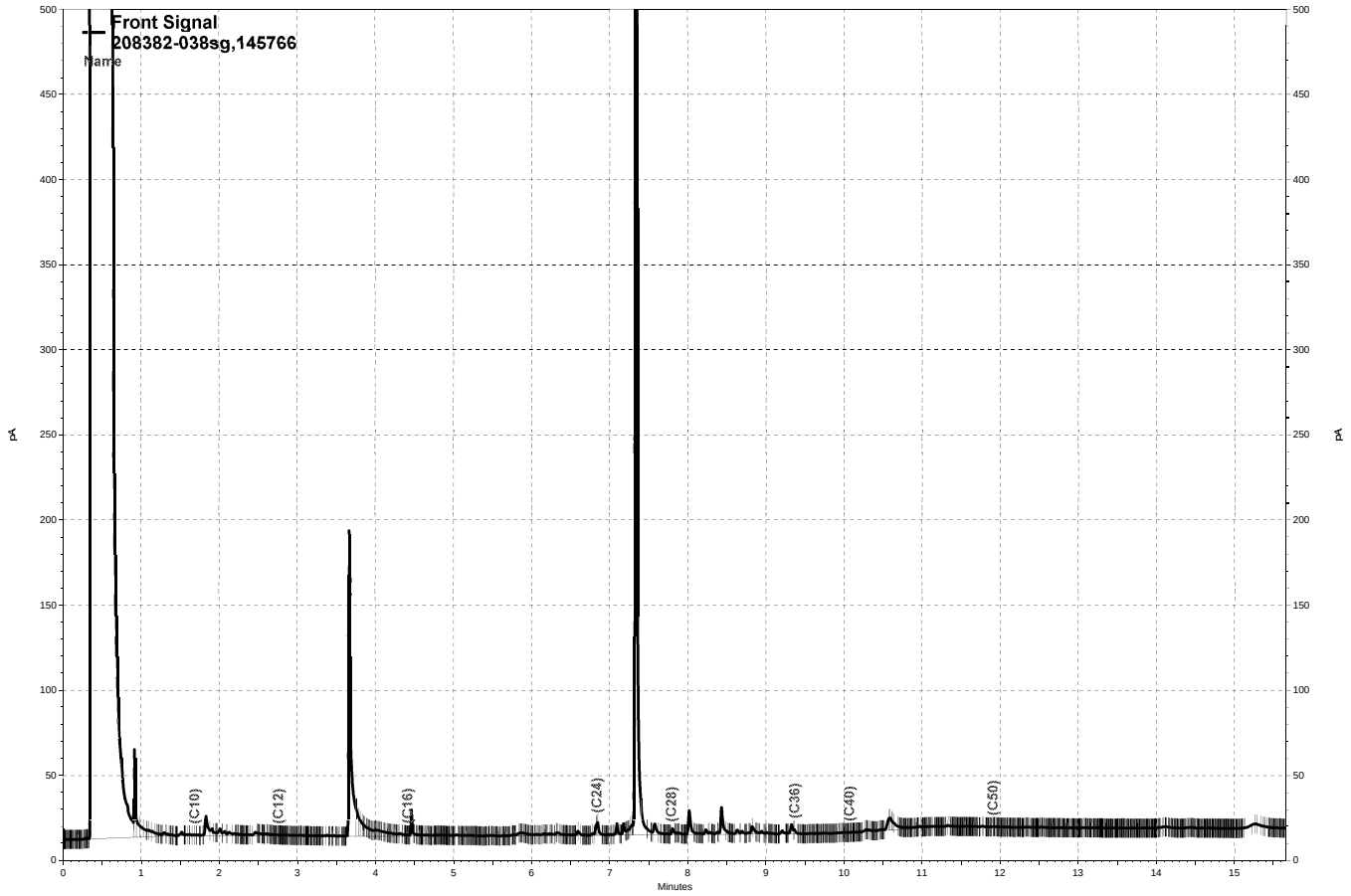

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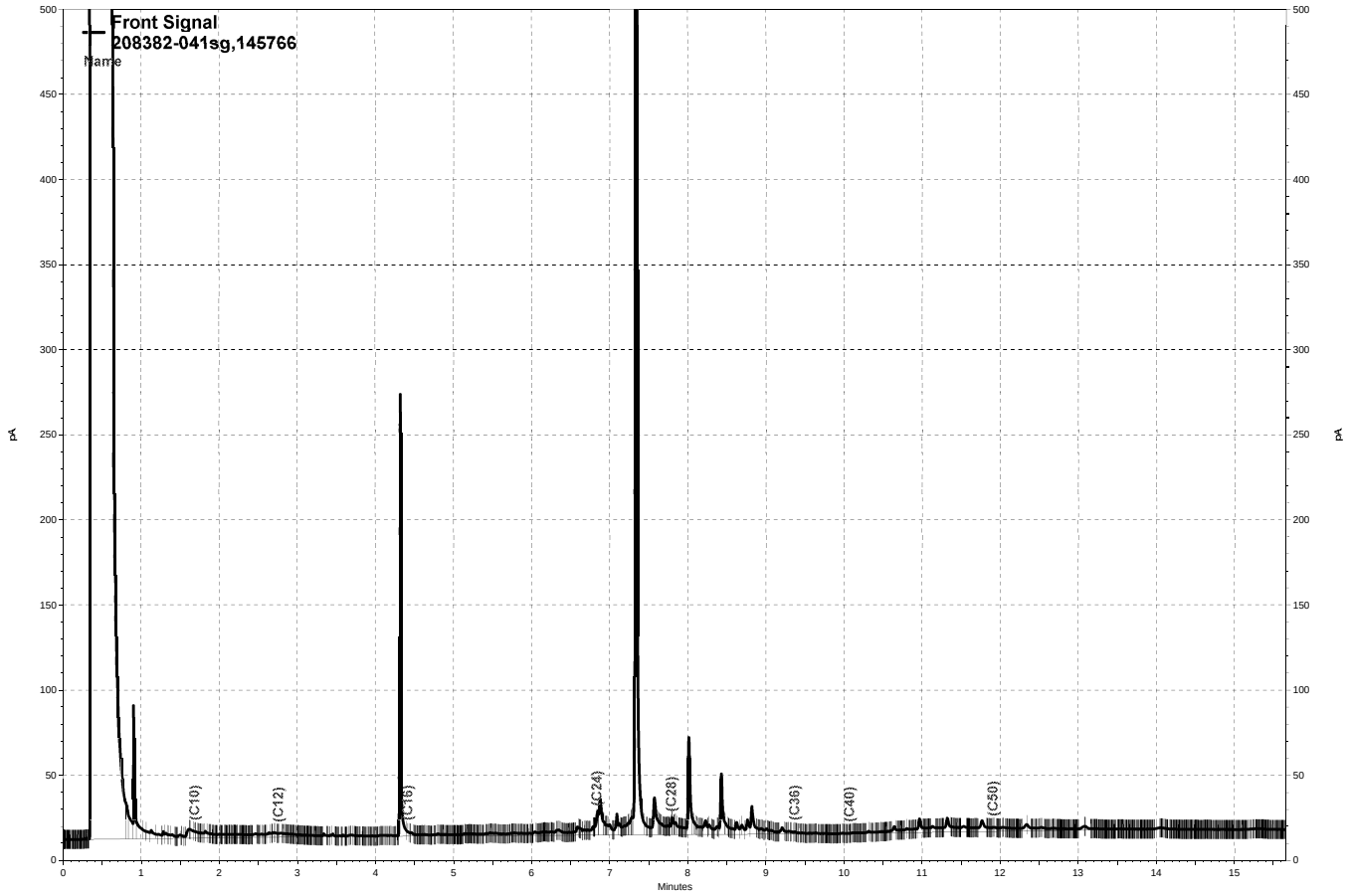

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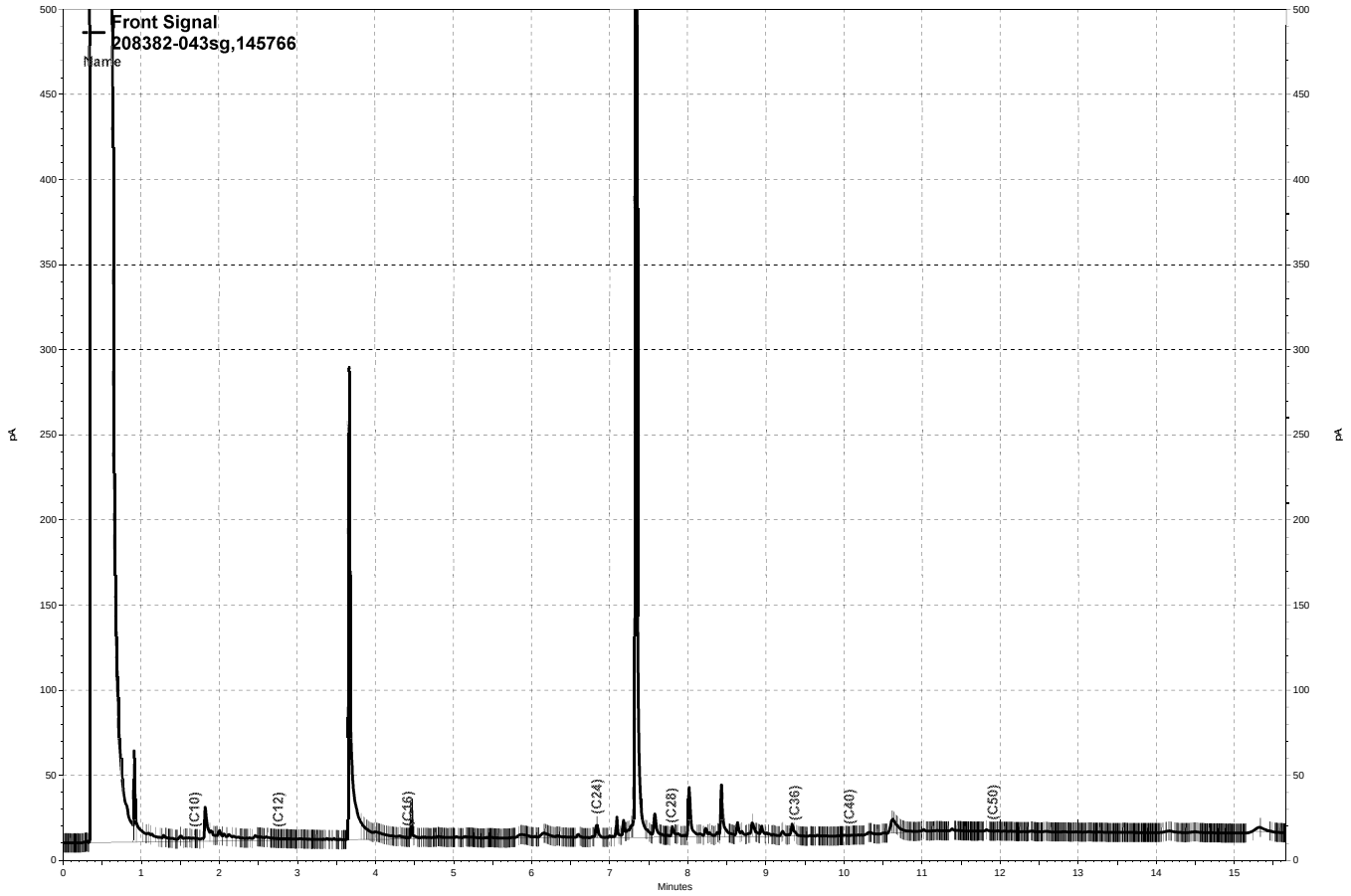

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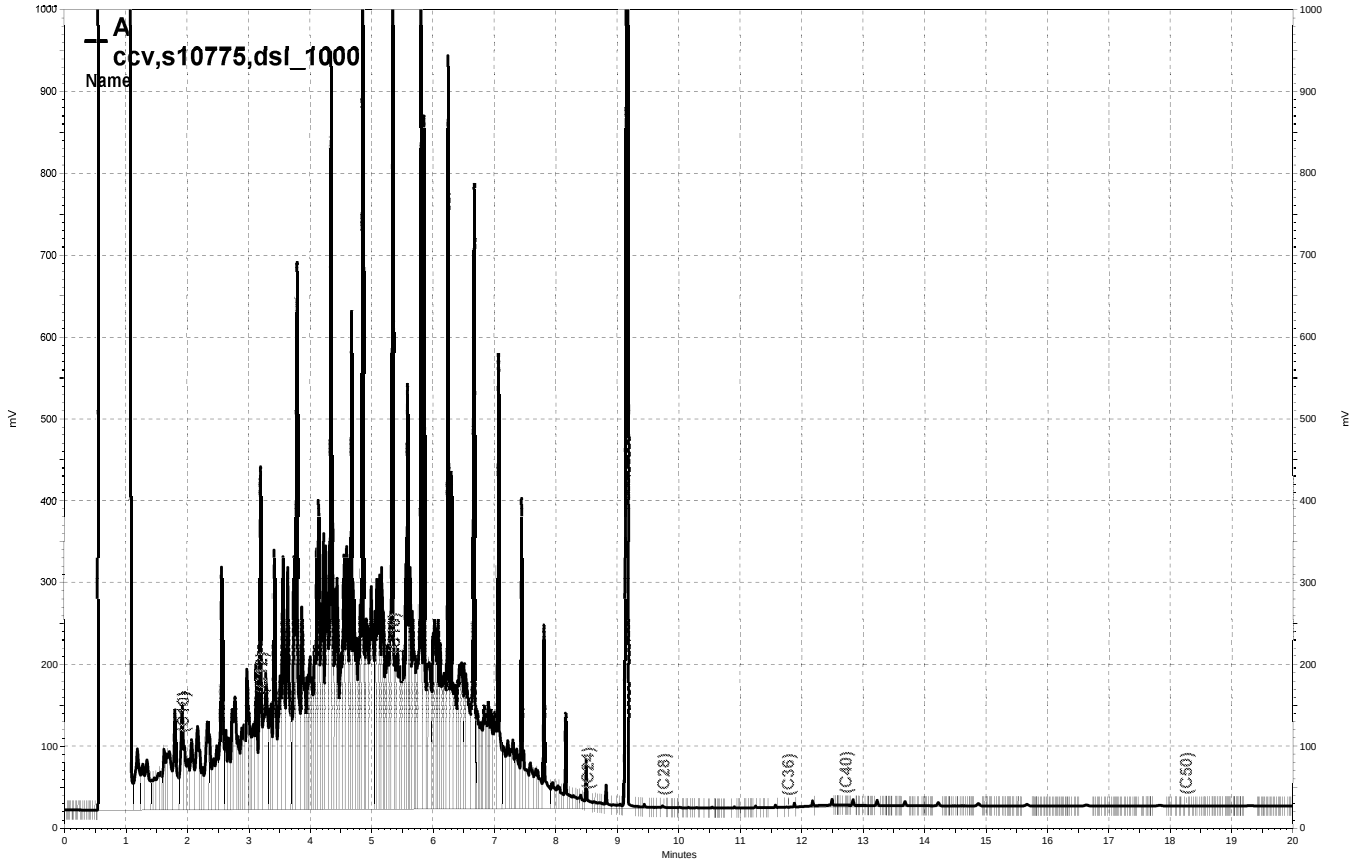

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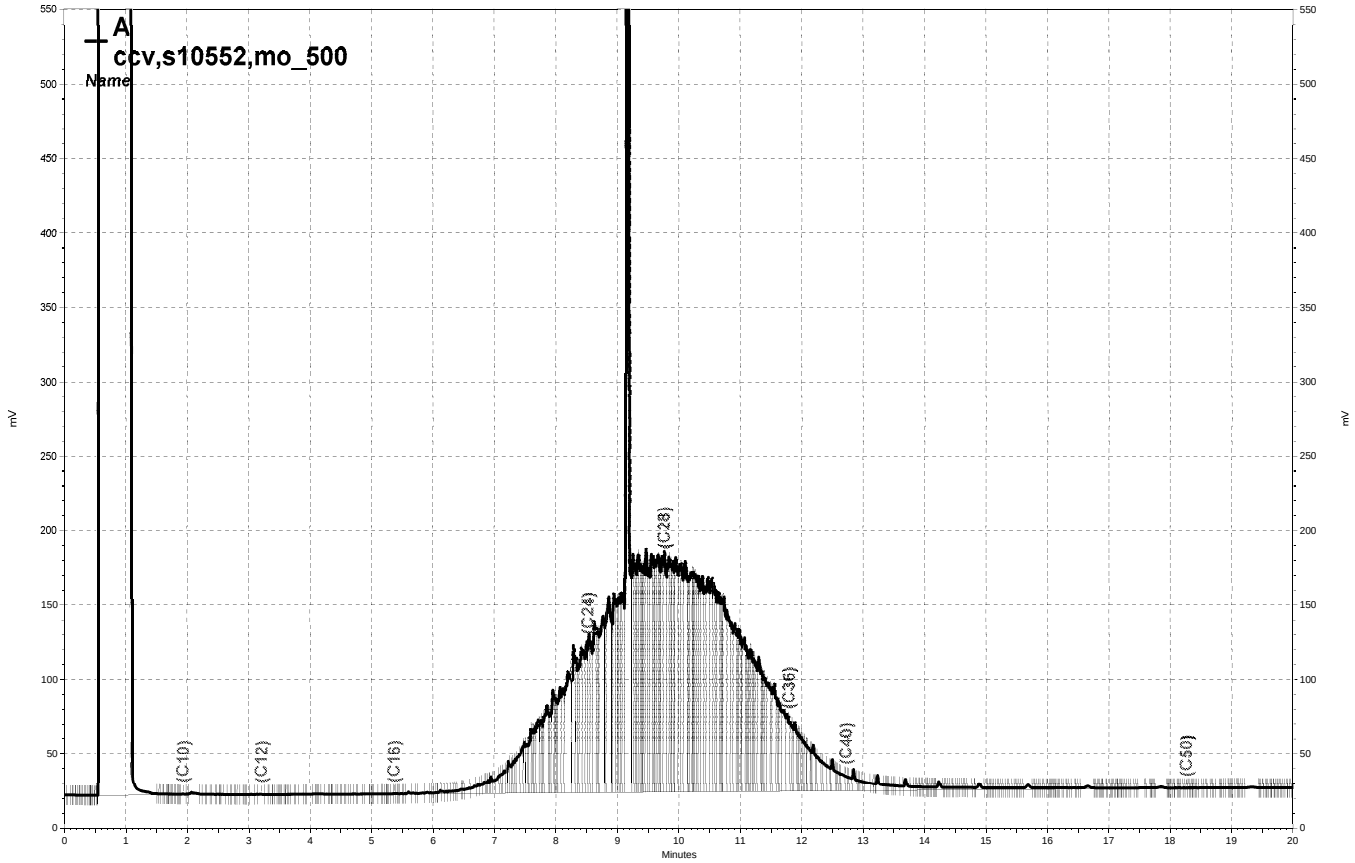

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Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	EP-1-GW	Batch#:	145866
Lab ID:	208382-003	Sampled:	12/06/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	5.0
Chloromethane	ND	5.0
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	ND	2.5
trans-1,2-Dichloroethene	ND	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	3.6	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	ND	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Trichloroethene	ND	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	7.3	2.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	EP-1-GW	Batch#:	145866
Lab ID:	208382-003	Sampled:	12/06/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	ND	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	ND	2.5
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	ND	2.5
1,2,4-Trimethylbenzene	ND	2.5
sec-Butylbenzene	ND	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	ND	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-125
1,2-Dichloroethane-d4	106	80-137
Toluene-d8	105	80-120
Bromofluorobenzene	105	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	EP-2-GW	Batch#:	145866
Lab ID:	208382-006	Sampled:	12/06/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	5.0
Chloromethane	ND	5.0
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	ND	2.5
trans-1,2-Dichloroethene	ND	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	8.1	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	ND	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Trichloroethene	4.8	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	19	2.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	EP-2-GW	Batch#:	145866
Lab ID:	208382-006	Sampled:	12/06/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	ND	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	ND	2.5
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	ND	2.5
1,2,4-Trimethylbenzene	ND	2.5
sec-Butylbenzene	ND	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	ND	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-125
1,2-Dichloroethane-d4	104	80-137
Toluene-d8	103	80-120
Bromofluorobenzene	102	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	EP-3-GW	Batch#:	145866
Lab ID:	208382-009	Sampled:	12/06/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	5.6	5.0
Chloromethane	ND	5.0
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	ND	2.5
trans-1,2-Dichloroethene	ND	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	8.0	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	ND	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Trichloroethene	4.8	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	65	2.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	EP-3-GW	Batch#:	145866
Lab ID:	208382-009	Sampled:	12/06/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	ND	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	ND	2.5
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	ND	2.5
1,2,4-Trimethylbenzene	ND	2.5
sec-Butylbenzene	ND	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	ND	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-125
1,2-Dichloroethane-d4	105	80-137
Toluene-d8	103	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-7-GW	Batch#:	145866
Lab ID:	208382-014	Sampled:	12/06/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	5.0
Chloromethane	ND	5.0
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	ND	2.5
trans-1,2-Dichloroethene	ND	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	ND	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	ND	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Trichloroethene	ND	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	ND	2.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-7-GW	Batch#:	145866
Lab ID:	208382-014	Sampled:	12/06/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	ND	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	ND	2.5
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	ND	2.5
1,2,4-Trimethylbenzene	ND	2.5
sec-Butylbenzene	ND	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	ND	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-125
1,2-Dichloroethane-d4	111	80-137
Toluene-d8	104	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-6-GW	Batch#:	145932
Lab ID:	208382-019	Sampled:	12/06/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/12/08
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	5.0
Chloromethane	ND	5.0
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	ND	2.5
trans-1,2-Dichloroethene	ND	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	ND	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	ND	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Trichloroethene	ND	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	ND	2.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-6-GW	Batch#:	145932
Lab ID:	208382-019	Sampled:	12/06/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/12/08
Diln Fac:	5.000		

Analyte	Result	RL
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	6.0	2.5
m,p-Xylenes	6.3	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	2.9	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	11	2.5
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	4.8	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	ND	2.5
1,2,4-Trimethylbenzene	19	2.5
sec-Butylbenzene	ND	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	5.2	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-125
1,2-Dichloroethane-d4	113	80-137
Toluene-d8	103	80-120
Bromofluorobenzene	108	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-5-GW	Batch#:	145932
Lab ID:	208382-024	Sampled:	12/08/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/12/08
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	5.0
Chloromethane	ND	5.0
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	ND	2.5
trans-1,2-Dichloroethene	ND	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	ND	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	ND	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Trichloroethene	ND	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	ND	2.5

ND= Not Detected
RL= Reporting Limit

50.0

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-5-GW	Batch#:	145932
Lab ID:	208382-024	Sampled:	12/08/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/12/08
Diln Fac:	5.000		

Analyte	Result	RL
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	ND	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	ND	2.5
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	ND	2.5
1,2,4-Trimethylbenzene	ND	2.5
sec-Butylbenzene	ND	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	5.3	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-125
1,2-Dichloroethane-d4	111	80-137
Toluene-d8	102	80-120
Bromofluorobenzene	107	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-4-GW	Batch#:	145866
Lab ID:	208382-029	Sampled:	12/08/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	5.0
Chloromethane	ND	5.0
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	ND	2.5
trans-1,2-Dichloroethene	ND	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	ND	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	4.0	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Trichloroethene	ND	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	4.1	2.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-4-GW	Batch#:	145866
Lab ID:	208382-029	Sampled:	12/08/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	ND	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	ND	2.5
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	ND	2.5
1,2,4-Trimethylbenzene	ND	2.5
sec-Butylbenzene	ND	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	ND	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-125
1,2-Dichloroethane-d4	110	80-137
Toluene-d8	106	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-3-GW	Batch#:	145866
Lab ID:	208382-034	Sampled:	12/08/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	5.0
Chloromethane	ND	5.0
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	ND	2.5
trans-1,2-Dichloroethene	ND	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	ND	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	ND	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Trichloroethene	ND	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	3.6	2.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-3-GW	Batch#:	145866
Lab ID:	208382-034	Sampled:	12/08/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	ND	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	ND	2.5
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	ND	2.5
1,2,4-Trimethylbenzene	ND	2.5
sec-Butylbenzene	ND	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	ND	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-125
1,2-Dichloroethane-d4	109	80-137
Toluene-d8	101	80-120
Bromofluorobenzene	105	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-2-GW	Batch#:	145866
Lab ID:	208382-039	Sampled:	12/08/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	5.0
Chloromethane	ND	5.0
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	ND	2.5
trans-1,2-Dichloroethene	ND	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	3.7	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	ND	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Trichloroethene	3.4	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	38	2.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-2-GW	Batch#:	145866
Lab ID:	208382-039	Sampled:	12/08/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	ND	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	ND	2.5
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	ND	2.5
1,2,4-Trimethylbenzene	ND	2.5
sec-Butylbenzene	ND	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	ND	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-125
1,2-Dichloroethane-d4	110	80-137
Toluene-d8	104	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-1-GW	Batch#:	145866
Lab ID:	208382-044	Sampled:	12/08/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	5.0
Chloromethane	ND	5.0
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	ND	2.5
trans-1,2-Dichloroethene	ND	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	ND	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	ND	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Trichloroethene	ND	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	5.9	2.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-1-GW	Batch#:	145866
Lab ID:	208382-044	Sampled:	12/08/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	ND	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	ND	2.5
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	ND	2.5
1,2,4-Trimethylbenzene	ND	2.5
sec-Butylbenzene	ND	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	ND	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-125
1,2-Dichloroethane-d4	112	80-137
Toluene-d8	106	80-120
Bromofluorobenzene	105	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-2-GW-DUP	Batch#:	145866
Lab ID:	208382-045	Sampled:	12/08/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	5.0
Chloromethane	ND	5.0
Vinyl Chloride	ND	2.5
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	ND	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	ND	2.5
MTBE	ND	2.5
trans-1,2-Dichloroethene	ND	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	3.4	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	ND	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Trichloroethene	2.6	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	30	2.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	WP-2-GW-DUP	Batch#:	145866
Lab ID:	208382-045	Sampled:	12/08/08
Matrix:	Water	Received:	12/08/08
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	5.000		

Analyte	Result	RL
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	ND	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	ND	2.5
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	ND	2.5
1,2,4-Trimethylbenzene	ND	2.5
sec-Butylbenzene	ND	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	ND	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-125
1,2-Dichloroethane-d4	113	80-137
Toluene-d8	108	80-120
Bromofluorobenzene	111	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC474913	Batch#:	145866
Matrix:	Water	Analyzed:	12/11/08
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC474913	Batch#:	145866
Matrix:	Water	Analyzed:	12/11/08
Units:	ug/L		

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

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-125
1,2-Dichloroethane-d4	102	80-137
Toluene-d8	102	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC475081	Batch#:	145932
Matrix:	Water	Analyzed:	12/12/08
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC475081	Batch#:	145932
Matrix:	Water	Analyzed:	12/12/08
Units:	ug/L		

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

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-125
1,2-Dichloroethane-d4	107	80-137
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	145866
Units:	ug/L	Analyzed:	12/11/08
Diln Fac:	1.000		

Type: BS Lab ID: QC474788

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	20.00	20.06	100	73-133
Benzene	20.00	21.30	107	80-120
Trichloroethene	20.00	20.51	103	80-120
Toluene	20.00	21.31	107	80-120
Chlorobenzene	20.00	20.41	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-125
1,2-Dichloroethane-d4	105	80-137
Toluene-d8	106	80-120
Bromofluorobenzene	105	80-122

Type: BSD Lab ID: QC474789

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	20.00	19.20	96	73-133	4	20
Benzene	20.00	20.43	102	80-120	4	20
Trichloroethene	20.00	20.21	101	80-120	1	20
Toluene	20.00	21.16	106	80-120	1	20
Chlorobenzene	20.00	19.62	98	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-125
1,2-Dichloroethane-d4	102	80-137
Toluene-d8	103	80-120
Bromofluorobenzene	104	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	145932
Units:	ug/L	Analyzed:	12/12/08
Diln Fac:	1.000		

Type: BS Lab ID: QC475079

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	20.00	19.93	100	73-133
Benzene	20.00	21.40	107	80-120
Trichloroethene	20.00	21.23	106	80-120
Toluene	20.00	22.04	110	80-120
Chlorobenzene	20.00	21.37	107	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-125
1,2-Dichloroethane-d4	106	80-137
Toluene-d8	102	80-120
Bromofluorobenzene	108	80-122

Type: BSD Lab ID: QC475080

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	20.00	18.01	90	73-133	10	20
Benzene	20.00	20.23	101	80-120	6	20
Trichloroethene	20.00	19.90	99	80-120	6	20
Toluene	20.00	21.14	106	80-120	4	20
Chlorobenzene	20.00	20.02	100	80-120	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-125
1,2-Dichloroethane-d4	104	80-137
Toluene-d8	102	80-120
Bromofluorobenzene	107	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 5030B
Project#:	08-616-A	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	145932
MSS Lab ID:	208528-001	Sampled:	12/11/08
Matrix:	Water	Received:	12/11/08
Units:	ug/L	Analyzed:	12/12/08
Diln Fac:	1.000		

Type: MS Lab ID: QC475189

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1379	25.00	26.83	107	76-133
Benzene	<0.1000	25.00	25.98	104	80-121
Trichloroethene	<0.1391	25.00	26.22	105	74-129
Toluene	<0.1000	25.00	27.06	108	80-120
Chlorobenzene	<0.1000	25.00	25.54	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-125
1,2-Dichloroethane-d4	104	80-137
Toluene-d8	102	80-120
Bromofluorobenzene	107	80-122

Type: MSD Lab ID: QC475190

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	27.62	110	76-133	3	20
Benzene	25.00	25.82	103	80-121	1	20
Trichloroethene	25.00	26.61	106	74-129	1	20
Toluene	25.00	27.86	111	80-120	3	20
Chlorobenzene	25.00	25.58	102	80-120	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-125
1,2-Dichloroethane-d4	104	80-137
Toluene-d8	103	80-120
Bromofluorobenzene	106	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Field ID:	EP-1-0.5	Batch#:	145821
Lab ID:	208382-001	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	ug/Kg	Prepared:	12/10/08
Basis:	as received	Analyzed:	12/10/08
Diln Fac:	10.00		

Analyte	Result	RL
Naphthalene	ND	50
Acenaphthylene	ND	50
Acenaphthene	ND	50
Fluorene	ND	50
Phenanthrene	ND	50
Anthracene	ND	50
Fluoranthene	ND	50
Pyrene	ND	50
Benzo(a)anthracene	ND	50
Chrysene	ND	50
Benzo(b)fluoranthene	ND	50
Benzo(k)fluoranthene	ND	50
Benzo(a)pyrene	ND	50
Indeno(1,2,3-cd)pyrene	ND	50
Dibenz(a,h)anthracene	ND	50
Benzo(g,h,i)perylene	ND	50

Surrogate	%REC	Limits
Nitrobenzene-d5	DO	34-127
2-Fluorobiphenyl	DO	47-120
Terphenyl-d14	DO	46-120

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

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Field ID:	EP-1-3.0	Batch#:	145821
Lab ID:	208382-002	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	ug/Kg	Prepared:	12/10/08
Basis:	as received	Analyzed:	12/11/08
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	5.0
Acenaphthylene	ND	5.0
Acenaphthene	ND	5.0
Fluorene	ND	5.0
Phenanthrene	ND	5.0
Anthracene	ND	5.0
Fluoranthene	ND	5.0
Pyrene	ND	5.0
Benzo(a)anthracene	ND	5.0
Chrysene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Benzo(a)pyrene	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0

Surrogate	%REC	Limits
Nitrobenzene-d5	71	34-127
2-Fluorobiphenyl	90	47-120
Terphenyl-d14	90	46-120

ND= Not Detected
RL= Reporting Limit

63.0

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Field ID:	EP-2-0.5	Batch#:	145821
Lab ID:	208382-004	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	ug/Kg	Prepared:	12/10/08
Basis:	as received	Analyzed:	12/10/08
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	5.0
Acenaphthylene	ND	5.0
Acenaphthene	ND	5.0
Fluorene	ND	5.0
Phenanthrene	ND	5.0
Anthracene	ND	5.0
Fluoranthene	ND	5.0
Pyrene	ND	5.0
Benzo(a)anthracene	ND	5.0
Chrysene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Benzo(a)pyrene	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0

Surrogate	%REC	Limits
Nitrobenzene-d5	61	34-127
2-Fluorobiphenyl	65	47-120
Terphenyl-d14	58	46-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Field ID:	EP-2-3.0	Batch#:	145821
Lab ID:	208382-005	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	ug/Kg	Prepared:	12/10/08
Basis:	as received	Analyzed:	12/10/08
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	5.0
Acenaphthylene	ND	5.0
Acenaphthene	ND	5.0
Fluorene	ND	5.0
Phenanthrene	ND	5.0
Anthracene	ND	5.0
Fluoranthene	ND	5.0
Pyrene	ND	5.0
Benzo(a)anthracene	ND	5.0
Chrysene	6.0	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Benzo(a)pyrene	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0

Surrogate	%REC	Limits
Nitrobenzene-d5	63	34-127
2-Fluorobiphenyl	69	47-120
Terphenyl-d14	55	46-120

ND= Not Detected
RL= Reporting Limit

65.0

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Field ID:	EP-3-0.5	Batch#:	145821
Lab ID:	208382-007	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	ug/Kg	Prepared:	12/10/08
Basis:	as received	Analyzed:	12/12/08
Diln Fac:	2.000		

Analyte	Result	RL
Naphthalene	ND	9.9
Acenaphthylene	ND	9.9
Acenaphthene	ND	9.9
Fluorene	ND	9.9
Phenanthrene	18	9.9
Anthracene	ND	9.9
Fluoranthene	ND	9.9
Pyrene	ND	9.9
Benzo(a)anthracene	ND	9.9
Chrysene	25	9.9
Benzo(b)fluoranthene	ND	9.9
Benzo(k)fluoranthene	ND	9.9
Benzo(a)pyrene	ND	9.9
Indeno(1,2,3-cd)pyrene	ND	9.9
Dibenz(a,h)anthracene	ND	9.9
Benzo(g,h,i)perylene	ND	9.9

Surrogate	%REC	Limits
Nitrobenzene-d5	108	34-127
2-Fluorobiphenyl	73	47-120
Terphenyl-d14	64	46-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Field ID:	EP-3-3.0	Batch#:	145821
Lab ID:	208382-008	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	ug/Kg	Prepared:	12/10/08
Basis:	as received	Analyzed:	12/12/08
Diln Fac:	5.000		

Analyte	Result	RL
Naphthalene	ND	25
Acenaphthylene	ND	25
Acenaphthene	ND	25
Fluorene	ND	25
Phenanthrene	ND	25
Anthracene	ND	25
Fluoranthene	ND	25
Pyrene	ND	25
Benzo(a)anthracene	ND	25
Chrysene	ND	25
Benzo(b)fluoranthene	ND	25
Benzo(k)fluoranthene	ND	25
Benzo(a)pyrene	ND	25
Indeno(1,2,3-cd)pyrene	ND	25
Dibenz(a,h)anthracene	ND	25
Benzo(g,h,i)perylene	ND	25

Surrogate	%REC	Limits
Nitrobenzene-d5	152 *	34-127
2-Fluorobiphenyl	75	47-120
Terphenyl-d14	85	46-120

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

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Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Field ID:	WP-7-0.5	Batch#:	145821
Lab ID:	208382-010	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	ug/Kg	Prepared:	12/10/08
Basis:	as received	Analyzed:	12/11/08
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	5.0
Acenaphthylene	ND	5.0
Acenaphthene	ND	5.0
Fluorene	ND	5.0
Phenanthrene	ND	5.0
Anthracene	ND	5.0
Fluoranthene	ND	5.0
Pyrene	ND	5.0
Benzo(a)anthracene	ND	5.0
Chrysene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Benzo(a)pyrene	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0

Surrogate	%REC	Limits
Nitrobenzene-d5	55	34-127
2-Fluorobiphenyl	72	47-120
Terphenyl-d14	72	46-120

ND= Not Detected
RL= Reporting Limit

68.0

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Field ID:	WP-7-3.0	Batch#:	145821
Lab ID:	208382-011	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	ug/Kg	Prepared:	12/10/08
Basis:	as received	Analyzed:	12/10/08
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	5.0
Acenaphthylene	ND	5.0
Acenaphthene	ND	5.0
Fluorene	ND	5.0
Phenanthrene	ND	5.0
Anthracene	ND	5.0
Fluoranthene	ND	5.0
Pyrene	ND	5.0
Benzo(a)anthracene	ND	5.0
Chrysene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Benzo(a)pyrene	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0

Surrogate	%REC	Limits
Nitrobenzene-d5	59	34-127
2-Fluorobiphenyl	68	47-120
Terphenyl-d14	53	46-120

ND= Not Detected
RL= Reporting Limit

69.0

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Field ID:	WP-4-0.5	Batch#:	145821
Lab ID:	208382-025	Sampled:	12/08/08
Matrix:	Soil	Received:	12/08/08
Units:	ug/Kg	Prepared:	12/10/08
Basis:	as received	Analyzed:	12/12/08
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	5.0
Acenaphthylene	6.2	5.0
Acenaphthene	ND	5.0
Fluorene	ND	5.0
Phenanthrene	9.8	5.0
Anthracene	7.4	5.0
Fluoranthene	44	5.0
Pyrene	46	5.0
Benzo(a)anthracene	36	5.0
Chrysene	38	5.0
Benzo(b)fluoranthene	76	5.0
Benzo(k)fluoranthene	23	5.0
Benzo(a)pyrene	40	5.0
Indeno(1,2,3-cd)pyrene	7.2	5.0
Dibenz(a,h)anthracene	ND	5.0
Benzo(g,h,i)perylene	8.6	5.0

Surrogate	%REC	Limits
Nitrobenzene-d5	89	34-127
2-Fluorobiphenyl	76	47-120
Terphenyl-d14	136 *	46-120

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

70.0

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Field ID:	WP-4-3.0	Batch#:	145821
Lab ID:	208382-026	Sampled:	12/08/08
Matrix:	Soil	Received:	12/08/08
Units:	ug/Kg	Prepared:	12/10/08
Basis:	as received	Analyzed:	12/11/08
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	5.0
Acenaphthylene	ND	5.0
Acenaphthene	ND	5.0
Fluorene	ND	5.0
Phenanthrene	ND	5.0
Anthracene	ND	5.0
Fluoranthene	ND	5.0
Pyrene	ND	5.0
Benzo(a)anthracene	ND	5.0
Chrysene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Benzo(a)pyrene	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0

Surrogate	%REC	Limits
Nitrobenzene-d5	59	34-127
2-Fluorobiphenyl	74	47-120
Terphenyl-d14	90	46-120

ND= Not Detected
RL= Reporting Limit

71.0

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Field ID:	WP-1-0.5	Batch#:	146050
Lab ID:	208382-040	Sampled:	12/08/08
Matrix:	Soil	Received:	12/08/08
Units:	ug/Kg	Prepared:	12/16/08
Basis:	as received	Analyzed:	12/16/08
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	5.0
Acenaphthylene	ND	5.0
Acenaphthene	ND	5.0
Fluorene	ND	5.0
Phenanthrene	ND	5.0
Anthracene	ND	5.0
Fluoranthene	ND	5.0
Pyrene	ND	5.0
Benzo(a)anthracene	ND	5.0
Chrysene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Benzo(a)pyrene	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0

Surrogate	%REC	Limits
Nitrobenzene-d5	69	34-127
2-Fluorobiphenyl	75	47-120
Terphenyl-d14	70	46-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Field ID:	WP-1-3.0	Batch#:	145821
Lab ID:	208382-041	Sampled:	12/08/08
Matrix:	Soil	Received:	12/08/08
Units:	ug/Kg	Prepared:	12/10/08
Basis:	as received	Analyzed:	12/11/08
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	5.0
Acenaphthylene	ND	5.0
Acenaphthene	ND	5.0
Fluorene	ND	5.0
Phenanthrene	ND	5.0
Anthracene	ND	5.0
Fluoranthene	ND	5.0
Pyrene	ND	5.0
Benzo(a)anthracene	ND	5.0
Chrysene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Benzo(a)pyrene	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0

Surrogate	%REC	Limits
Nitrobenzene-d5	64	34-127
2-Fluorobiphenyl	81	47-120
Terphenyl-d14	94	46-120

ND= Not Detected
RL= Reporting Limit

73.0

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Batch QC Report

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC474596	Batch#:	145821
Matrix:	Soil	Prepared:	12/10/08
Units:	ug/Kg	Analyzed:	12/10/08
Basis:	as received		

Analyte	Result	RL
Naphthalene	ND	5.0
Acenaphthylene	ND	5.0
Acenaphthene	ND	5.0
Fluorene	ND	5.0
Phenanthrene	ND	5.0
Anthracene	ND	5.0
Fluoranthene	ND	5.0
Pyrene	ND	5.0
Benzo(a)anthracene	ND	5.0
Chrysene	ND	5.0
Benzo(b)fluoranthene	ND	5.0
Benzo(k)fluoranthene	ND	5.0
Benzo(a)pyrene	ND	5.0
Indeno(1,2,3-cd)pyrene	ND	5.0
Dibenz(a,h)anthracene	ND	5.0
Benzo(g,h,i)perylene	ND	5.0

Surrogate	%REC	Limits
Nitrobenzene-d5	66	34-127
2-Fluorobiphenyl	56	47-120
Terphenyl-d14	47	46-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC474597	Batch#:	145821
Matrix:	Soil	Prepared:	12/10/08
Units:	ug/Kg	Analyzed:	12/11/08
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Acenaphthene	33.31	19.39	58	43-120
Pyrene	33.31	20.54	62	39-120

Surrogate	%REC	Limits
Nitrobenzene-d5	53	34-127
2-Fluorobiphenyl	74	47-120
Terphenyl-d14	65	46-120

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Field ID:	ZZZZZZZZZZ	Batch#:	145821
MSS Lab ID:	208364-001	Sampled:	12/03/08
Matrix:	Soil	Received:	12/05/08
Units:	ug/Kg	Prepared:	12/10/08
Basis:	as received	Analyzed:	12/11/08
Diln Fac:	2.000		

Type: MS Lab ID: QC474598

Analyte	MSS Result	Spiked	Result	%REC	Limits
Acenaphthene	<1.679	33.26	28.61	86	42-120
Pyrene	30.77	33.26	100.8	211 *	29-136

Surrogate	%REC	Limits
Nitrobenzene-d5	130 *	34-127
2-Fluorobiphenyl	105	47-120
Terphenyl-d14	97	46-120

Type: MSD Lab ID: QC474599

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Acenaphthene	33.28	22.62	68	42-120	23	39
Pyrene	33.28	76.65	138 *	29-136	27	50

Surrogate	%REC	Limits
Nitrobenzene-d5	103	34-127
2-Fluorobiphenyl	83	47-120
Terphenyl-d14	80	46-120

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

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Batch QC Report

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC475624	Batch#:	146050
Matrix:	Soil	Prepared:	12/16/08
Units:	ug/Kg	Analyzed:	12/16/08
Basis:	as received		

Analyte	Result	RL
Naphthalene	ND	4.9
Acenaphthylene	ND	4.9
Acenaphthene	ND	4.9
Fluorene	ND	4.9
Phenanthrene	ND	4.9
Anthracene	ND	4.9
Fluoranthene	ND	4.9
Pyrene	ND	4.9
Benzo(a)anthracene	ND	4.9
Chrysene	ND	4.9
Benzo(b)fluoranthene	ND	4.9
Benzo(k)fluoranthene	ND	4.9
Benzo(a)pyrene	ND	4.9
Indeno(1,2,3-cd)pyrene	ND	4.9
Dibenz(a,h)anthracene	ND	4.9
Benzo(g,h,i)perylene	ND	4.9

Surrogate	%REC	Limits
Nitrobenzene-d5	73	34-127
2-Fluorobiphenyl	88	47-120
Terphenyl-d14	80	46-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC475625	Batch#:	146050
Matrix:	Soil	Prepared:	12/16/08
Units:	ug/Kg	Analyzed:	12/16/08
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Acenaphthene	32.84	28.70	87	43-120
Pyrene	32.84	28.95	88	39-120

Surrogate	%REC	Limits
Nitrobenzene-d5	79	34-127
2-Fluorobiphenyl	91	47-120
Terphenyl-d14	79	46-120

Curtis & Tompkins, Ltd.

Batch QC Report

Semivolatile Organics by GC/MS SIM

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3550B
Project#:	08-616-A	Analysis:	EPA 8270C-SIM
Field ID:	ZZZZZZZZZZ	Batch#:	146050
MSS Lab ID:	208454-015	Sampled:	12/08/08
Matrix:	Soil	Received:	12/09/08
Units:	ug/Kg	Prepared:	12/16/08
Basis:	as received	Analyzed:	12/18/08
Diln Fac:	1.000		

Type: MS Lab ID: QC475626

Analyte	MSS Result	Spiked	Result	%REC	Limits
Acenaphthene	<0.8381	32.99	21.60	65	42-120
Pyrene	<0.7108	32.99	21.73	66	29-136

Surrogate	%REC	Limits
Nitrobenzene-d5	69	34-127
2-Fluorobiphenyl	74	47-120
Terphenyl-d14	63	46-120

Type: MSD Lab ID: QC475627

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Acenaphthene	33.08	23.12	70	42-120	7	39
Pyrene	33.08	23.00	70	29-136	5	50

Surrogate	%REC	Limits
Nitrobenzene-d5	75	34-127
2-Fluorobiphenyl	79	47-120
Terphenyl-d14	66	46-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	EP-1-0.5	Diln Fac:	1.000
Lab ID:	208382-001	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	5.3	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.10	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	65	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	50	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	2.0	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.10	0.021	145743	12/09/08	METHOD	EPA 7471A
Nickel	34	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	27	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	EP-1-3.0	Diln Fac:	1.000
Lab ID:	208382-002	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	3.8	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.42	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	0.25	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	35	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	17	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	6.5	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.035	0.022	145743	12/09/08	METHOD	EPA 7471A
Nickel	44	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	2.0	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	50	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	EP-2-0.5	Diln Fac:	1.000
Lab ID:	208382-004	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	4.0	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	ND	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	71	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	90	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.074	0.020	145743	12/09/08	METHOD	EPA 7471A
Nickel	47	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	23	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	EP-2-3.0	Diln Fac:	1.000
Lab ID:	208382-005	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	4.1	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.40	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	35	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	18	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	6.2	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.16	0.021	145743	12/09/08	METHOD	EPA 7471A
Nickel	41	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	44	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	EP-3-0.5	Diln Fac:	1.000
Lab ID:	208382-007	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	0.98	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	2.4	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	ND	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	44	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	64	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	0.40	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.12	0.020	145743	12/09/08	METHOD	EPA 7471A
Nickel	26	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	22	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	EP-3-3.0	Diln Fac:	1.000
Lab ID:	208382-008	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	0.78	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	3.6	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.36	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	31	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	15	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	6.0	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.030	0.020	145743	12/09/08	METHOD	EPA 7471A
Nickel	39	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	41	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	WP-7-0.5	Diln Fac:	1.000
Lab ID:	208382-010	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	3.4	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.35	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	0.35	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	29	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	12	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	9.5	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.12	0.020	145743	12/09/08	METHOD	EPA 7471A
Nickel	34	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	1.4	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	41	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	WP-7-3.0	Diln Fac:	1.000
Lab ID:	208382-011	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	0.89	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	3.2	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.33	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	0.26	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	30	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	11	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	5.2	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.043	0.021	145743	12/09/08	METHOD	EPA 7471A
Nickel	37	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	37	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	WP-6-0.5	Diln Fac:	1.000
Lab ID:	208382-015	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	6.8	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.41	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	0.29	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	23	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	23	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	24	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.74	0.022	145743	12/09/08	METHOD	EPA 7471A
Nickel	23	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	94	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	WP-6-3.0	Diln Fac:	1.000
Lab ID:	208382-016	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	3.4	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.35	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	33	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	24	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	18	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.094	0.020	145743	12/09/08	METHOD	EPA 7471A
Nickel	41	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	56	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	WP-5-0.5	Diln Fac:	1.000
Lab ID:	208382-020	Sampled:	12/08/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	2.9	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.47	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	0.39	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	39	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	22	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	16	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.055	0.020	145743	12/09/08	METHOD	EPA 7471A
Nickel	53	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	1.5	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	120	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	WP-5-3.0	Diln Fac:	1.000
Lab ID:	208382-021	Sampled:	12/08/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	3.0	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.40	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	36	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	19	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	20	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.059	0.021	145743	12/09/08	METHOD	EPA 7471A
Nickel	47	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	65	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	WP-4-0.5	Diln Fac:	1.000
Lab ID:	208382-025	Sampled:	12/08/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	1.2	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.35	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	6.8	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	20	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	3.4	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.13	0.020	145743	12/09/08	METHOD	EPA 7471A
Nickel	6.5	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	63	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	WP-4-3.0	Diln Fac:	1.000
Lab ID:	208382-026	Sampled:	12/08/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	3.9	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.50	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	0.37	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	38	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	36	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	65	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.19	0.020	145743	12/09/08	METHOD	EPA 7471A
Nickel	38	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	150	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	WP-3-0.5	Diln Fac:	1.000
Lab ID:	208382-030	Sampled:	12/08/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	4.3	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.32	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	3.4	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	32	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	4.4	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.10	0.021	145743	12/09/08	METHOD	EPA 7471A
Nickel	5.1	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	2.4	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	73	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	WP-3-3.0	Diln Fac:	1.000
Lab ID:	208382-031	Sampled:	12/08/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	1.2	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	4.9	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.27	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	6.0	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	34	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	29	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.15	0.020	145743	12/09/08	METHOD	EPA 7471A
Nickel	4.9	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	2.5	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	66	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	WP-2-0.5	Diln Fac:	1.000
Lab ID:	208382-035	Sampled:	12/08/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	2.5	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.21	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	13	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	5.9	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	4.7	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.031	0.020	145743	12/09/08	METHOD	EPA 7471A
Nickel	15	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	34	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	WP-2-2.5	Diln Fac:	1.000
Lab ID:	208382-036	Sampled:	12/08/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	2.3	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.31	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	3.6	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	15	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	2.9	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.077	0.020	145743	12/09/08	METHOD	EPA 7471A
Nickel	6.8	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	60	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	WP-1-0.5	Diln Fac:	1.000
Lab ID:	208382-040	Sampled:	12/08/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	2.1	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.38	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	13	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	18	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	4.8	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.030	0.021	145743	12/09/08	METHOD	EPA 7471A
Nickel	15	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	61	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Priority Pollutant Metals

Lab #:	208382	Project#:	08-616-A
Client:	Iris Environmental	Location:	San Leandro
Field ID:	WP-1-3.0	Diln Fac:	1.000
Lab ID:	208382-041	Sampled:	12/08/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received		

Analyte	Result	RL	Batch#	Analyzed	Prep	Analysis
Antimony	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Arsenic	4.4	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Beryllium	0.28	0.10	145793	12/10/08	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Chromium	2.3	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Copper	5.7	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Lead	3.0	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Mercury	0.041	0.020	145743	12/09/08	METHOD	EPA 7471A
Nickel	5.2	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Selenium	1.8	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Silver	ND	0.25	145793	12/10/08	EPA 3050B	EPA 6010B
Thallium	ND	0.50	145793	12/10/08	EPA 3050B	EPA 6010B
Zinc	67	1.0	145793	12/10/08	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Priority Pollutant Metals

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	METHOD
Project#:	08-616-A	Analysis:	EPA 7471A
Analyte:	Mercury	Basis:	as received
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC474252	Batch#:	145743
Matrix:	Soil	Prepared:	12/09/08
Units:	mg/Kg	Analyzed:	12/09/08

Result	RL
ND	0.020

ND= Not Detected
RL= Reporting Limit

23.0

Curtis & Tompkins, Ltd.

Batch QC Report

Priority Pollutant Metals

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3050B
Project#:	08-616-A	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC474467	Batch#:	145793
Matrix:	Soil	Prepared:	12/09/08
Units:	mg/Kg	Analyzed:	12/10/08
Basis:	as received		

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

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Priority Pollutant Metals

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	METHOD
Project#:	08-616-A	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Matrix:	Soil	Batch#:	145743
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received	Analyzed:	12/09/08

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC474253	0.5000	0.5180	104	80-120		
BSD	QC474254	0.5000	0.5120	102	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Priority Pollutant Metals

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	METHOD
Project#:	08-616-A	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	EP-1-0.5	Batch#:	145743
MSS Lab ID:	208382-001	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received	Analyzed:	12/09/08

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC474255	0.1035	0.4808	0.6125	106	66-138		
MSD	QC474256		0.5319	0.6521	103	66-138	2	24

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Priority Pollutant Metals

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3050B
Project#:	08-616-A	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	145793
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received	Analyzed:	12/10/08
Diln Fac:	1.000		

Type: BS Lab ID: QC474468

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	102.9	103	80-120
Arsenic	50.00	48.73	97	80-120
Beryllium	2.500	2.409	96	80-120
Cadmium	10.00	9.539	95	80-120
Chromium	100.0	95.12	95	80-120
Copper	12.50	11.55	92	80-120
Lead	100.0	94.89	95	80-120
Nickel	25.00	23.62	94	80-120
Selenium	50.00	48.29	97	80-120
Silver	10.00	9.280	93	80-120
Thallium	50.00	48.12	96	80-120
Zinc	25.00	22.55	90	80-120

Type: BSD Lab ID: QC474469

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	100.2	100	80-120	3	20
Arsenic	50.00	46.96	94	80-120	4	20
Beryllium	2.500	2.360	94	80-120	2	20
Cadmium	10.00	9.354	94	80-120	2	20
Chromium	100.0	93.33	93	80-120	2	20
Copper	12.50	11.27	90	80-120	3	20
Lead	100.0	91.50	91	80-120	4	20
Nickel	25.00	22.87	91	80-120	3	20
Selenium	50.00	46.75	93	80-120	3	20
Silver	10.00	9.019	90	80-120	3	20
Thallium	50.00	46.71	93	80-120	3	20
Zinc	25.00	22.11	88	80-120	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Priority Pollutant Metals

Lab #:	208382	Location:	San Leandro
Client:	Iris Environmental	Prep:	EPA 3050B
Project#:	08-616-A	Analysis:	EPA 6010B
Field ID:	EP-1-0.5	Batch#:	145793
MSS Lab ID:	208382-001	Sampled:	12/06/08
Matrix:	Soil	Received:	12/08/08
Units:	mg/Kg	Prepared:	12/09/08
Basis:	as received	Analyzed:	12/10/08
Diln Fac:	1.000		

Type: MS Lab ID: QC474470

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	<0.1197	90.91	48.30	53	3-120
Arsenic	5.273	45.45	52.91	105	67-120
Beryllium	0.1033	2.273	2.285	96	75-120
Cadmium	<0.04393	9.091	8.265	91	65-120
Chromium	64.63	90.91	119.9	61	59-120
Copper	49.82	11.36	71.95	195 NM	39-151
Lead	2.039	90.91	91.20	98	50-123
Nickel	34.36	22.73	44.34	44	42-139
Selenium	<0.09120	45.45	42.51	94	62-120
Silver	<0.03370	9.091	7.787	86	65-120
Thallium	0.2634	45.45	38.37	84	58-120
Zinc	27.20	22.73	57.67	134	30-152

Type: MSD Lab ID: QC474471

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	98.04	52.72	54	3-120	1	30
Arsenic	49.02	50.65	93	67-120	11	20
Beryllium	2.451	2.377	93	75-120	3	23
Cadmium	9.804	8.274	84	65-120	7	20
Chromium	98.04	112.7	49 *	59-120	11	23
Copper	12.25	50.16	3 NM	39-151	37 *	27
Lead	98.04	90.65	90	50-123	8	30
Nickel	24.51	39.63	22 *	42-139	14	29
Selenium	49.02	42.68	87	62-120	7	20
Silver	9.804	8.346	85	65-120	1	20
Thallium	49.02	38.45	78	58-120	7	20
Zinc	24.51	56.17	118	30-152	6	33

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

Forensic Analytical

Final Report

Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Curtis & Tompkins Ltd
Anna M. Pajarillo

2323 Fifth St
Berkeley, CA 94710

Client ID: 1137
Report Number: B119691
Date Received: 12/09/08
Date Analyzed: 12/15/08
Date Printed: 12/15/08
First Reported: 12/15/08

Job ID/Site: 208382 - San Leandro

Date(s) Collected:

FASI Job ID: 1137
Total Samples Submitted: 20
Total Samples Analyzed: 20

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
EP-1-0.5	10824318						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
EP-1-3.0	10824319						
Layer: Dark Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
EP-2-0.5	10824320						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
EP-2-3.0	10824321						
Layer: Dark Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
EP-3-0.5	10824322						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
EP-3-3.0	10824323						
Layer: Dark Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
WP-7-0.5	10824324						
Layer: Dark Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
WP-7-3.0	10824325						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					

3777 Depot Road, Suite 409, Hayward, CA 94545 / Telephone: (510) 887-8828 (800) 827-FASI / Fax: (510) 887-4218

Report Number: B119691
Client Name: Curtis & Tompkins Ltd **Date Printed:** 12/15/08

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
WP-6-0.5	10824326						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
WP-6-3.0	10824327						
Layer: Dark Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
WP-5-0.5	10824328						
Layer: Dark Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
WP-5-3.0	10824329						
Layer: Dark Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
WP-4-0.5	10824330						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
WP-4-3.0	10824331						
Layer: Dark Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
WP-3-.05	10824332						
Layer: Dark Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
WP-3-3.0	10824333						
Layer: Dark Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
WP-2-0.5	10824334						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
WP-2-2.5	10824335						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					

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Report Number: B119691
Client Name: Curtis & Tompkins Ltd **Date Printed:** 12/15/08

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
WP-1-0.5	10824336						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					
WP-1-3.0	10824337						
Layer: Brown Soil			**ND**				
Total Composite Values of Fibrous Components:		**Asbestos (ND)**					

James Flores, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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JONES ENVIRONMENTAL

LABORATORY REPORT

Client:	Iris Environmental, Inc.	**Report Date:**	12/08/08
Client Address:	1438 Webster Street, Suite 302 Oakland, CA 94612	**JEL Ref. No.:** **Client Ref. No.:**	C-1453 08-616-A
Attn:	Jeff Schmidt	**Date Sampled:** **Date Received:**	12/05/08 12/05/08
Project	San Leandro Crossings	**Date Analyzed:**	12/05/05
Project Address:	1333 Martinez Ave., San Leandro, CA	**Physical State:**	Soil Gas

ANALYSES REQUESTED

1. EPA 8260B- Volatile Organics by GC/MS + Oxygenates
2. EPA 8260B- Volatile Hydrocarbons as Gasoline

Sampling – Soil Gas samples are collected in glass gas-tight syringes equipped with Teflon plungers. Tubing placed in the ground for soil gas sampling is purged three different times as recommended by DTSC/RWQCB regulations. This purge test determines how many purges of the soil gas tubing are needed throughout the project. One, three and seven purge volumes were analyzed to make this determination.

A tracer gas, n-Propanol, was placed at the tubing-surface interface before sampling. This compound is analyzed during the 8260B analytical run to determine if there are surface leaks into the subsurface due to improper installation of the probe. No n-Propanol was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min using a gas tight syringe. 3 purge volumes were used since this purging level gave the highest results for the compound(s) of greatest interest..

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification , QC Reference Standards, Instrument Blanks and Ambient Air Blanks are analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) are analyzed with each batch of Soil Gas samples. A duplicate sample is analyzed each day of the sampling activity.

All samples were analyzed within 30 minutes of sampling.

Approval: _____

Steve Jones, Ph.D.
Laboratory Manager

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	Iris Environmental, Inc.	**Report Date:**	12/08/08
Client Address:	1438 Webster Street, Suite 302 Oakland, CA 94612	**JEL Ref. No.:** **Client Ref. No.:**	C-1453 08-616-A
Attn:	Jeff Schmidt	**Date Sampled:** **Date Received:**	12/05/08 12/05/08
Project	San Leandro Crossings	**Date Analyzed:**	12/05/05
Project Address:	1333 Martinez Ave., San Leandro, CA	**Physical State:**	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

Sample ID:	WP-7-5.0 1P	WP-7-5.0 3P	WP-7-5.0 7P	WP-6-5.0	WP-5-5.0	**Practical Quantitation Limits**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	ug/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	ug/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	ug/L
Bromoform	ND	ND	ND	ND	ND	0.008	ug/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	ug/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
Chloroethane	ND	ND	ND	ND	ND	0.008	ug/L
Chloroform	ND	ND	ND	ND	ND	0.008	ug/L
Chloromethane	ND	ND	ND	ND	ND	0.008	ug/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	ug/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	ug/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	ug/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	ug/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	ug/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	ug/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	ug/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	ug/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	ug/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	ug/L

ND = Not Detected

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	Iris Environmental, Inc.	**Report Date:**	12/08/08
Client Address:	1438 Webster Street, Suite 302 Oakland, CA 94612	**JEL Ref. No.:** **Client Ref. No.:**	C-1453 08-616-A
Attn:	Jeff Schmidt	**Date Sampled:** **Date Received:**	12/05/08 12/05/08
Project	San Leandro Crossings	**Date Analyzed:**	12/05/05
Project Address:	1333 Martinez Ave., San Leandro, CA	**Physical State:**	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

Sample ID:	WP-7-5.0 1P	WP-7-5.0 3P	WP-7-5.0 7P	WP-6-5.0	WP-5-5.0	**Practical Quantitation Limits**	**Units**
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	ug/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	ug/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	ug/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	ug/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	ug/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	ug/L
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	ug/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	ug/L
Ethylbenzene	ND	ND	ND	**0.017**	ND	0.008	ug/L
Freon 113	ND	ND	ND	ND	ND	0.008	ug/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	ug/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	ug/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	ug/L
Naphthalene	ND	ND	ND	ND	ND	0.008	ug/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
Styrene	ND	ND	ND	ND	ND	0.008	ug/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	ug/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	ug/L
Tetrachloroethylene	**0.328**	**0.431**	**0.367**	ND	ND	0.008	ug/L
Toluene	ND	ND	ND	**0.172**	**0.208**	0.008	ug/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	ug/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	ug/L
Trichloroethylene	ND	ND	ND	ND	ND	0.008	ug/L

ND = Not Detected

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LABORATORY RESULTS

Client:	Iris Environmental, Inc.	**Report Date:**	12/08/08
Client Address:	1438 Webster Street, Suite 302 Oakland, CA 94612	**JEL Ref. No.:** **Client Ref. No.:**	C-1453 08-616-A
Attn:	Jeff Schmidt	**Date Sampled:** **Date Received:**	12/05/08 12/05/08
Project	San Leandro Crossings	**Date Analyzed:**	12/05/05
Project Address:	1333 Martinez Ave., San Leandro, CA	**Physical State:**	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

Sample ID:	WP-7-5.0 1P	WP-7-5.0 3P	WP-7-5.0 7P	WP-6-5.0	WP-5-5.0	**Practical Quantitation Limits**	**Units**
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	ug/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	ug/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	ug/L
Xylenes	ND	ND	ND	**0.267**	**0.258**	0.008	ug/L
MTBE	ND	ND	ND	ND	ND	0.008	ug/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	ug/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	ug/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	ug/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.035	ug/L
Gasoline	ND	ND	ND	ND	ND	1.00	ug/L
TIC							
n-Propanol	ND	ND	ND	ND	ND	0.008	ug/L
Dilution Factor	1	1	1	1	1		
Surrogate Recovery :						**QC Limits**	
Dibromofluoromethane	106%	105%	101%	103%	99%	60 - 140	
Toluene-d_8	99%	90%	91%	86%	93%	60 - 140	
4-Bromofluorobenzene	106%	94%	96%	96%	96%	60 - 140	

ND = Not Detected

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Client Address:	1438 Webster Street, Suite 302 Oakland, CA 94612	**JEL Ref. No.:** **Client Ref. No.:**	C-1453 08-616-A
Attn:	Jeff Schmidt	**Date Sampled:** **Date Received:**	12/05/08 12/05/08
Project	San Leandro Crossings	**Date Analyzed:**	12/05/05
Project Address:	1333 Martinez Ave., San Leandro, CA	**Physical State:**	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

Sample ID:	WP-4-5.0	WP-3-5.0	WP-2-5.0	WP-1-5.0	EP-2-5.0	**Practical Quantitation Limits**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	ug/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	ug/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	ug/L
Bromoform	ND	ND	ND	ND	ND	0.008	ug/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	ug/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
Chloroethane	ND	ND	ND	ND	ND	0.008	ug/L
Chloroform	ND	ND	ND	ND	ND	0.008	ug/L
Chloromethane	ND	ND	ND	ND	ND	0.008	ug/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	ug/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	ug/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	ug/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	ug/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	ug/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	ug/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	ug/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	ug/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	ug/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	ug/L

ND = Not Detected

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LABORATORY RESULTS

Client:	Iris Environmental, Inc.	**Report Date:**	12/08/08
Client Address:	1438 Webster Street, Suite 302 Oakland, CA 94612	**JEL Ref. No.:** **Client Ref. No.:**	C-1453 08-616-A
Attn:	Jeff Schmidt	**Date Sampled:** **Date Received:**	12/05/08 12/05/08
Project	San Leandro Crossings	**Date Analyzed:**	12/05/05
Project Address:	1333 Martinez Ave., San Leandro, CA	**Physical State:**	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

Sample ID:	WP-4-5.0	WP-3-5.0	WP-2-5.0	WP-1-5.0	EP-2-5.0	**Practical Quantitation Limits**	**Units**
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	ug/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	ug/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	ug/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	ug/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	ug/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	ug/L
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	ug/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	ug/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
Freon 113	ND	ND	ND	ND	ND	0.008	ug/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	ug/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	ug/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	ug/L
Naphthalene	ND	ND	ND	ND	ND	0.008	ug/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
Styrene	ND	ND	ND	ND	ND	0.008	ug/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	ug/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	ug/L
Tetrachloroethylene	ND	ND	**0.257**	ND	**0.358**	0.008	ug/L
Toluene	ND	ND	ND	ND	**0.124**	0.008	ug/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	ug/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	ug/L
Trichloroethylene	ND	ND	ND	ND	ND	0.008	ug/L

ND = Not Detected

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LABORATORY RESULTS

Client:	Iris Environmental, Inc.	**Report Date:**	12/08/08
Client Address:	1438 Webster Street, Suite 302 Oakland, CA 94612	**JEL Ref. No.:** **Client Ref. No.:**	C-1453 08-616-A
Attn:	Jeff Schmidt	**Date Sampled:** **Date Received:**	12/05/08 12/05/08
Project	San Leandro Crossings	**Date Analyzed:**	12/05/05
Project Address:	1333 Martinez Ave., San Leandro, CA	**Physical State:**	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

Sample ID:	WP-4-5.0	WP-3-5.0	WP-2-5.0	WP-1-5.0	EP-2-5.0	**Practical Quantitation Limits**	**Units**
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	ug/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	ug/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	ug/L
Xylenes	ND	ND	ND	ND	ND	0.008	ug/L
MTBE	ND	ND	ND	ND	**0.158**	0.008	ug/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	ug/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	ug/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	ug/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.035	ug/L
Gasoline	ND	ND	ND	ND	**1.14**	1.00	ug/L
TIC							
n-Propanol	ND	ND	ND	ND	ND	0.008	ug/L
Dilution Factor	1	1	1	1	1		
Surrogate Recovery :						**QC Limits**	
Dibromofluoromethane	106%	105%	118%	104%	101%	60 - 140	
Toluene-d_8	82%	87%	83%	93%	100%	60 - 140	
4-Bromofluorobenzene	92%	98%	86%	100%	103%	60 - 140	

ND = Not Detected

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Client:	Iris Environmental, Inc.	**Report Date:**	12/08/08
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Attn:	Jeff Schmidt	**Date Sampled:** **Date Received:**	12/05/08 12/05/08
Project	San Leandro Crossings	**Date Analyzed:**	12/05/05
Project Address:	1333 Martinez Ave., San Leandro, CA	**Physical State:**	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

Sample ID:	EP-3-5.0	EP-1-5.0	EP-2-15.0	WP-7-15.0	EP-2-5.0 DUP	**Practical Quantitation Limits**	**Units**
Analytes:							
Benzene	ND	ND	**0.124**	ND	ND	0.008	ug/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	ug/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	ug/L
Bromoform	ND	ND	ND	ND	ND	0.008	ug/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	ug/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
Chloroethane	ND	ND	ND	ND	ND	0.008	ug/L
Chloroform	ND	ND	ND	ND	ND	0.008	ug/L
Chloromethane	ND	ND	ND	ND	ND	0.008	ug/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	ug/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	ug/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	ug/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	ug/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	ug/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	ug/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	ug/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	ug/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	ug/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	ug/L

ND = Not Detected

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	Iris Environmental, Inc.	**Report Date:**	12/08/08
Client Address:	1438 Webster Street, Suite 302 Oakland, CA 94612	**JEL Ref. No.:** **Client Ref. No.:**	C-1453 08-616-A
Attn:	Jeff Schmidt	**Date Sampled:** **Date Received:**	12/05/08 12/05/08
Project	San Leandro Crossings	**Date Analyzed:**	12/05/05
Project Address:	1333 Martinez Ave., San Leandro, CA	**Physical State:**	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

Sample ID:	EP-3-5.0	EP-1-5.0	EP-2-15.0	WP-7-15.0	EP-2-5.0 DUP	**Practical Quantitation Limits**	**Units**
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	ug/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	ug/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	ug/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	ug/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	ug/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	ug/L
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	ug/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	ug/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
Freon 113	ND	ND	ND	ND	ND	0.008	ug/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	ug/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	ug/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	ug/L
Naphthalene	ND	ND	ND	ND	ND	0.008	ug/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
Styrene	ND	ND	ND	ND	ND	0.008	ug/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	ug/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	ug/L
Tetrachloroethylene	**1.03**	ND	**0.062**	**0.083**	**0.242**	0.008	ug/L
Toluene	**0.287**	ND	**0.175**	**0.097**	ND	0.008	ug/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	ug/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	ug/L
Trichloroethylene	ND	ND	ND	ND	ND	0.008	ug/L

ND = Not Detected

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	Iris Environmental, Inc.	**Report Date:**	12/08/08
Client Address:	1438 Webster Street, Suite 302 Oakland, CA 94612	**JEL Ref. No.:** **Client Ref. No.:**	C-1453 08-616-A
Attn:	Jeff Schmidt	**Date Sampled:** **Date Received:**	12/05/08 12/05/08
Project	San Leandro Crossings	**Date Analyzed:**	12/05/05
Project Address:	1333 Martinez Ave., San Leandro, CA	**Physical State:**	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

Sample ID:	EP-3-5.0	EP-1-5.0	EP-2-15.0	WP-7-15.0	EP-2-5.0 DUP	**Practical Quantitation Limits**	**Units**
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	ug/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	ug/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	ug/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	ug/L
Xylenes	**0.172**	ND	**0.243**	**0.225**	ND	0.008	ug/L
MTBE	ND	ND	ND	ND	ND	0.008	ug/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	ug/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	ug/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	ug/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.035	ug/L
Gasoline	**1.67**	ND	**2.98**	**1.35**	ND	1.00	ug/L
TIC							
n-Propanol	ND	ND	ND	ND	ND	0.008	ug/L
Dilution Factor	1	1	1	1	1		
Surrogate Recovery :						**QC Limits**	
Dibromofluoromethane	114%	110%	103%	105%	96%	60 - 140	
Toluene-d_8	86%	95%	95%	96%	102%	60 - 140	
4-Bromofluorobenzene	103%	104%	95%	99%	103%	60 - 140	

ND = Not Detected

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JONES ENVIRONMENTAL

QUALITY CONTROL INFORMATION

Client:	Iris Environmental, Inc.	**Report Date:**	12/08/08
Client Address:	1438 Webster Street, Suite 302 Oakland, CA 94612	**JEL Ref. No.:** **Client Ref. No.:**	C-1453 08-616-A
Attn:	Jeff Schmidt	**Date Sampled:** **Date Received:**	12/05/08 12/05/08
Project	San Leandro Crossings	**Date Analyzed:**	12/05/05
Project Address:	1333 Martinez Ave., San Leandro, CA	**Physical State:**	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/
Volatile Hydrocarbons as Gasoline

Sample Spiked: AMBIENT AIR

Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)
1,1-Dichloroethylene	79%	72%	9.9%	60 - 140
Benzene	98%	94%	4.3%	60 - 140
Trichloroethylene	102%	100%	2.1%	60 - 140
Toluene	93%	95%	3.0%	60 - 140
Chlorobenzene	101%	104%	3.4%	60 - 140
Gasoline	95%	93%	1.6%	60 - 140

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

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Fax (714) 449-9685

Chain-of-Custody Record

Client: Iris Environmental
Date: 12/5/08
Project Name: San Leandro Crossings
Client Project #: 08-616-A
Project Address: 1333 Martinez Ave, San Leandro, CA
Project Contact: Jeff
Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Vol: ☐ 1P ☐ 3P ☐ 7P
Tracer: n-Pr-Benzene
Purge Rate: ~200 cc/min

JEL Project #: C-1453
Page 1 of 2
Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☑ no
Sealed ☑ yes ☐ no

Analysis Requested

Sample ID	Purge Volume	Discussion	Date	Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	BTEX (EPA)	TPH Gasoline Range						Number of Containers	Remarks/Special Instructions
WP-7-5.0 1P	152	1 Purge Volume	12/5/08	08:34	C-1453-1	SG	x							2	Glass Gas Tight Syringe
WP-7-5.0 3P	456	3 Purge Volume	12/5/08	08:54	C-1453-2	SG	x							2	
WP-7-5.0 7P	1064	7 Purge Volumes	12/5/08	09:13	C-1453-3	SG	x							2	
WP-6-5.0	456	3 Purge Volume	12/5/08	09:33	C-1453-4	SG	x							2	
WP-5-5.0	456	" "	12/5/08	09:53 10:14	C-1453-5	SG	x							2	
WP-4-5.0	456	" "	12/5/08	10:34	C-1453-6	SG	x							2	
WP-3-5.0	456	" "	12/5/08	10:54	C-1453-7	SG	x							2	
WP-2-5.0	456	" "	12/5/08	11:14	C-1453-8	SG	x							2	
WP-1-5.0	456	" "	12/5/08	11:34	C-1453-9	SG	x							2	
EP-2-5.0	456	" "	12/5/08	12:04	C-1453-10	SG	x							2	

1 Relinquished by (signature)	Date 12/5/08	2 Received by (signature)	Date 12/5/08	Total Number of Containers
Company Iris	Time 17:30	Company JEL	Time 17:30	
3 Relinquished by (signature)	Date	4 Received by Laboratory (signature)	Date	
Company	Time	Company	Time	

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

JONES ENVIRONMENTAL
TESTING LABORATORIES

P.O. Box 5387
Fullerton, CA 92838
(714) 449-9937
Fax (714) 449-9685

Chain-of-Custody Record

Client: Iris Environmental
Date: 12/5/08
Project Name: San Leandro Crossings
Client Project #: 08-616-A
Project Address: 1333 Martinez Ave, San Leandro, CA
Project Contact: Jeff

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Vol: ☐ 1P ☒ 3P ☐ 7P
Tracer: n-Propanol
Purge Rate: ~200 cc/min

JEL Project #: C-1453
Page 2 of 2

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Analysis Requested

Sample ID	Purge Volume	Discussion	Date	Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Gas Flow						Number of Containers	Remarks/Special Instructions
EP-3-5.0'	456	3 Purge Volumes	12/5/08	12:22	C-1453-11	SG	X						2	Glass Gas Tight Syringe
EP-1-5.0'	456	" "	12/5/08	12:54	C-1453-12	SG	X		Low Flow				2	
EP-2-15.0'	591	" "	12/5/08	14:32	C-1453-13	SG	X		Low Flow				2	
WP-7-15.0'	591	" "	12/5/08	15:28	C-1453-14	SG	X		Low Flow				2	
WP-2-5.0' Dup	456	" "	12/5/08	17:12	C-1453-15	SG	X						2	

❶ Relinquished by (signature)	Date 12/5/08	❷ Received by (signature)	Date 12/5/08	Total Number of Containers
Company Iris	Time 17:30	Company JEL	Time 17:30	
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date	
Company	Time	Company	Time	

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

12/15/2008
Mr. Jeff Schmidt
Iris Environmental
1438 Webster Street
Suite 302
Oakland CA 94612

Project Name: San Leandro
Project #: 08-616-A

Dear Mr. Jeff Schmidt

The following report includes the data for the above referenced project for sample(s) received on 12/8/2008 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for you air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kelly Buettner
Project Manager

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0812199

Work Order Summary

CLIENT:	Mr. Jeff Schmidt Iris Environmental 1438 Webster Street Suite 302 Oakland, CA 94612	**BILL TO:**	Mr. Jeff Schmidt Iris Environmental 1438 Webster Street Suite 302 Oakland, CA 94612
PHONE:	510-834-4747 x45	**P.O. #**	08-616-A
FAX:	510-834-4199	**PROJECT #**	08-616-A San Leandro
DATE RECEIVED:	12/08/2008	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	12/15/2008		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	WP-7-5.0	Modified TO-15	3.5 "Hg	15 psi
02A	EP-3-5.0	Modified TO-15	1.0 "Hg	15 psi
02AA	EP-3-5.0 Lab Duplicate	Modified TO-15	1.0 "Hg	15 psi
03A	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda L. Freeman DATE: 12/15/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Iris Environmental
Workorder# 0812199

Two 1 Liter Summa Canister samples were received on December 08, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction no performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: WP-7-5.0

Lab ID#: 0812199-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	1.1	4.2	4.3	16
Tetrachloroethene	1.1	74	7.8	500
m,p-Xylene	1.1	1.6	5.0	6.7
Acetone	4.6	8.4	11	20

Client Sample ID: EP-3-5.0

Lab ID#: 0812199-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.0	49	5.2	240
Benzene	1.0	8.4	3.3	27
Toluene	1.0	81	3.9	300
Tetrachloroethene	1.0	140	7.1	930
Ethyl Benzene	1.0	7.6	4.5	33
m,p-Xylene	1.0	31	4.5	140
o-Xylene	1.0	9.7	4.5	42
1,3,5-Trimethylbenzene	1.0	2.4	5.1	12
1,2,4-Trimethylbenzene	1.0	5.9	5.1	29
1,3-Butadiene	1.0	15	2.3	34
Hexane	1.0	210	3.7	730
Cyclohexane	1.0	9.1	3.6	31
Heptane	1.0	7.0	4.3	29
Acetone	4.2	29	9.9	70
Carbon Disulfide	1.0	1.7	3.2	5.4
2-Butanone (Methyl Ethyl Ketone)	1.0	11	3.1	32
4-Ethyltoluene	1.0	5.8	5.1	28
2,2,4-Trimethylpentane	1.0	6.1	4.9	28

Client Sample ID: EP-3-5.0 Lab Duplicate

Lab ID#: 0812199-02AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.0	49	5.2	240
Benzene	1.0	8.5	3.3	27
Toluene	1.0	80	3.9	300
Tetrachloroethene	1.0	130	7.1	900

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: EP-3-5.0 Lab Duplicate

Lab ID#: 0812199-02AA

Ethyl Benzene	1.0	7.5	4.5	32
m,p-Xylene	1.0	32	4.5	140
o-Xylene	1.0	10	4.5	43
1,3,5-Trimethylbenzene	1.0	2.3	5.1	11
1,2,4-Trimethylbenzene	1.0	5.9	5.1	29
1,3-Butadiene	1.0	16	2.3	35
Hexane	1.0	220	3.7	760
Cyclohexane	1.0	9.2	3.6	32
Heptane	1.0	7.0	4.3	29
Acetone	4.2	31	9.9	73
Carbon Disulfide	1.0	1.8	3.2	5.6
2-Butanone (Methyl Ethyl Ketone)	1.0	11	3.1	33
4-Ethyltoluene	1.0	5.7	5.1	28
2,2,4-Trimethylpentane	1.0	6.3	4.9	29

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: WP-7-5.0

Lab ID#: 0812199-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7121209**	**Date of Collection:**	**12/5/08**
Dil. Factor:	**2.29**	**Date of Analysis:**	**12/12/08 01:27 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.1	Not Detected	5.7	Not Detected
Freon 114	1.1	Not Detected	8.0	Not Detected
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
Bromomethane	1.1	Not Detected	4.4	Not Detected
Chloroethane	1.1	Not Detected	3.0	Not Detected
Freon 11	1.1	Not Detected	6.4	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.5	Not Detected
Freon 113	1.1	Not Detected	8.8	Not Detected
Methylene Chloride	1.1	Not Detected	4.0	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.6	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.5	Not Detected
Chloroform	1.1	Not Detected	5.6	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	6.2	Not Detected
Carbon Tetrachloride	1.1	Not Detected	7.2	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.6	Not Detected
Trichloroethene	1.1	Not Detected	6.2	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.3	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	5.2	Not Detected
Toluene	1.1	4.2	4.3	16
trans-1,3-Dichloropropene	1.1	Not Detected	5.2	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	6.2	Not Detected
Tetrachloroethene	1.1	74	7.8	500
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.8	Not Detected
Chlorobenzene	1.1	Not Detected	5.3	Not Detected
Ethyl Benzene	1.1	Not Detected	5.0	Not Detected
m,p-Xylene	1.1	1.6	5.0	6.7
o-Xylene	1.1	Not Detected	5.0	Not Detected
Styrene	1.1	Not Detected	4.9	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.9	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.6	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.6	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.9	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.9	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.9	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.9	Not Detected
1,3-Butadiene	1.1	Not Detected	2.5	Not Detected
Hexane	1.1	Not Detected	4.0	Not Detected
Cyclohexane	1.1	Not Detected	3.9	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: WP-7-5.0

Lab ID#: 0812199-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7121209**	**Date of Collection:**	**12/5/08**
Dil. Factor:	**2.29**	**Date of Analysis:**	**12/12/08 01:27 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	1.1	Not Detected	4.7	Not Detected
Bromodichloromethane	1.1	Not Detected	7.7	Not Detected
Dibromochloromethane	1.1	Not Detected	9.8	Not Detected
Cumene	1.1	Not Detected	5.6	Not Detected
Propylbenzene	1.1	Not Detected	5.6	Not Detected
Chloromethane	4.6	Not Detected	9.4	Not Detected
1,2,4-Trichlorobenzene	4.6	Not Detected	34	Not Detected
Hexachlorobutadiene	4.6	Not Detected	49	Not Detected
Acetone	4.6	8.4	11	20
Carbon Disulfide	1.1	Not Detected	3.6	Not Detected
2-Propanol	4.6	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.1	Not Detected	3.4	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.4	Not Detected
1,4-Dioxane	4.6	Not Detected	16	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.7	Not Detected
2-Hexanone	4.6	Not Detected	19	Not Detected
Bromoform	1.1	Not Detected	12	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.6	Not Detected
Ethanol	4.6	Not Detected	8.6	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	4.1	Not Detected
3-Chloropropene	4.6	Not Detected	14	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.3	Not Detected
Naphthalene	4.6	Not Detected	24	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	101	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: EP-3-5.0

Lab ID#: 0812199-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7121210**	**Date of Collection:**	**12/5/08**
Dil. Factor:	**2.09**	**Date of Analysis:**	**12/12/08 02:05 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.0	49	5.2	240
Freon 114	1.0	Not Detected	7.3	Not Detected
Vinyl Chloride	1.0	Not Detected	2.7	Not Detected
Bromomethane	1.0	Not Detected	4.0	Not Detected
Chloroethane	1.0	Not Detected	2.8	Not Detected
Freon 11	1.0	Not Detected	5.9	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Freon 113	1.0	Not Detected	8.0	Not Detected
Methylene Chloride	1.0	Not Detected	3.6	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.2	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Chloroform	1.0	Not Detected	5.1	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.7	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.6	Not Detected
Benzene	1.0	8.4	3.3	27
1,2-Dichloroethane	1.0	Not Detected	4.2	Not Detected
Trichloroethene	1.0	Not Detected	5.6	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.8	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
Toluene	1.0	81	3.9	300
trans-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.7	Not Detected
Tetrachloroethene	1.0	140	7.1	930
1,2-Dibromoethane (EDB)	1.0	Not Detected	8.0	Not Detected
Chlorobenzene	1.0	Not Detected	4.8	Not Detected
Ethyl Benzene	1.0	7.6	4.5	33
m,p-Xylene	1.0	31	4.5	140
o-Xylene	1.0	9.7	4.5	42
Styrene	1.0	Not Detected	4.4	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	7.2	Not Detected
1,3,5-Trimethylbenzene	1.0	2.4	5.1	12
1,2,4-Trimethylbenzene	1.0	5.9	5.1	29
1,3-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.4	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
1,3-Butadiene	1.0	15	2.3	34
Hexane	1.0	210	3.7	730
Cyclohexane	1.0	9.1	3.6	31

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: EP-3-5.0

Lab ID#: 0812199-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7121210**	**Date of Collection:**	**12/5/08**
Dil. Factor:	**2.09**	**Date of Analysis:**	**12/12/08 02:05 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	1.0	7.0	4.3	29
Bromodichloromethane	1.0	Not Detected	7.0	Not Detected
Dibromochloromethane	1.0	Not Detected	8.9	Not Detected
Cumene	1.0	Not Detected	5.1	Not Detected
Propylbenzene	1.0	Not Detected	5.1	Not Detected
Chloromethane	4.2	Not Detected	8.6	Not Detected
1,2,4-Trichlorobenzene	4.2	Not Detected	31	Not Detected
Hexachlorobutadiene	4.2	Not Detected	44	Not Detected
Acetone	4.2	29	9.9	70
Carbon Disulfide	1.0	1.7	3.2	5.4
2-Propanol	4.2	Not Detected	10	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.0	11	3.1	32
Tetrahydrofuran	1.0	Not Detected	3.1	Not Detected
1,4-Dioxane	4.2	Not Detected	15	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.3	Not Detected
2-Hexanone	4.2	Not Detected	17	Not Detected
Bromoform	1.0	Not Detected	11	Not Detected
4-Ethyltoluene	1.0	5.8	5.1	28
Ethanol	4.2	Not Detected	7.9	Not Detected
Methyl tert-butyl ether	1.0	Not Detected	3.8	Not Detected
3-Chloropropene	4.2	Not Detected	13	Not Detected
2,2,4-Trimethylpentane	1.0	6.1	4.9	28
Naphthalene	4.2	Not Detected	22	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	99	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: EP-3-5.0 Lab Duplicate

Lab ID#: 0812199-02AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7121211**	**Date of Collection:**	**12/5/08**
Dil. Factor:	**2.09**	**Date of Analysis:**	**12/12/08 02:44 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.0	49	5.2	240
Freon 114	1.0	Not Detected	7.3	Not Detected
Vinyl Chloride	1.0	Not Detected	2.7	Not Detected
Bromomethane	1.0	Not Detected	4.0	Not Detected
Chloroethane	1.0	Not Detected	2.8	Not Detected
Freon 11	1.0	Not Detected	5.9	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Freon 113	1.0	Not Detected	8.0	Not Detected
Methylene Chloride	1.0	Not Detected	3.6	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.2	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Chloroform	1.0	Not Detected	5.1	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.7	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.6	Not Detected
Benzene	1.0	8.5	3.3	27
1,2-Dichloroethane	1.0	Not Detected	4.2	Not Detected
Trichloroethene	1.0	Not Detected	5.6	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.8	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
Toluene	1.0	80	3.9	300
trans-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.7	Not Detected
Tetrachloroethene	1.0	130	7.1	900
1,2-Dibromoethane (EDB)	1.0	Not Detected	8.0	Not Detected
Chlorobenzene	1.0	Not Detected	4.8	Not Detected
Ethyl Benzene	1.0	7.5	4.5	32
m,p-Xylene	1.0	32	4.5	140
o-Xylene	1.0	10	4.5	43
Styrene	1.0	Not Detected	4.4	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	7.2	Not Detected
1,3,5-Trimethylbenzene	1.0	2.3	5.1	11
1,2,4-Trimethylbenzene	1.0	5.9	5.1	29
1,3-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.4	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
1,3-Butadiene	1.0	16	2.3	35
Hexane	1.0	220	3.7	760
Cyclohexane	1.0	9.2	3.6	32

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: EP-3-5.0 Lab Duplicate

Lab ID#: 0812199-02AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7121211**	**Date of Collection:**	**12/5/08**
Dil. Factor:	**2.09**	**Date of Analysis:**	**12/12/08 02:44 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	1.0	7.0	4.3	29
Bromodichloromethane	1.0	Not Detected	7.0	Not Detected
Dibromochloromethane	1.0	Not Detected	8.9	Not Detected
Cumene	1.0	Not Detected	5.1	Not Detected
Propylbenzene	1.0	Not Detected	5.1	Not Detected
Chloromethane	4.2	Not Detected	8.6	Not Detected
1,2,4-Trichlorobenzene	4.2	Not Detected	31	Not Detected
Hexachlorobutadiene	4.2	Not Detected	44	Not Detected
Acetone	4.2	31	9.9	73
Carbon Disulfide	1.0	1.8	3.2	5.6
2-Propanol	4.2	Not Detected	10	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.0	11	3.1	33
Tetrahydrofuran	1.0	Not Detected	3.1	Not Detected
1,4-Dioxane	4.2	Not Detected	15	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.3	Not Detected
2-Hexanone	4.2	Not Detected	17	Not Detected
Bromoform	1.0	Not Detected	11	Not Detected
4-Ethyltoluene	1.0	5.7	5.1	28
Ethanol	4.2	Not Detected	7.9	Not Detected
Methyl tert-butyl ether	1.0	Not Detected	3.8	Not Detected
3-Chloropropene	4.2	Not Detected	13	Not Detected
2,2,4-Trimethylpentane	1.0	6.3	4.9	29
Naphthalene	4.2	Not Detected	22	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	102	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0812199-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7121208**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/12/08 12:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0812199-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7121208**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/12/08 12:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.50	Not Detected	2.0	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	103	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0812199-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7121202**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 12/12/08 08:45 AM**

Compound	%Recovery
Freon 12	96
Freon 114	98
Vinyl Chloride	99
Bromomethane	96
Chloroethane	90
Freon 11	96
1,1-Dichloroethene	93
Freon 113	100
Methylene Chloride	87
1,1-Dichloroethane	93
cis-1,2-Dichloroethene	96
Chloroform	98
1,1,1-Trichloroethane	100
Carbon Tetrachloride	100
Benzene	99
1,2-Dichloroethane	99
Trichloroethene	102
1,2-Dichloropropane	101
cis-1,3-Dichloropropene	101
Toluene	100
trans-1,3-Dichloropropene	103
1,1,2-Trichloroethane	101
Tetrachloroethene	102
1,2-Dibromoethane (EDB)	103
Chlorobenzene	101
Ethyl Benzene	100
m,p-Xylene	101
o-Xylene	100
Styrene	99
1,1,2,2-Tetrachloroethane	100
1,3,5-Trimethylbenzene	95
1,2,4-Trimethylbenzene	96
1,3-Dichlorobenzene	97
1,4-Dichlorobenzene	99
alpha-Chlorotoluene	100
1,2-Dichlorobenzene	96
1,3-Butadiene	92
Hexane	91
Cyclohexane	99

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0812199-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7121202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/12/08 08:45 AM**	

Compound	**%Recovery**
Heptane	100
Bromodichloromethane	102
Dibromochloromethane	105
Cumene	98
Propylbenzene	98
Chloromethane	105
1,2,4-Trichlorobenzene	86
Hexachlorobutadiene	83
Acetone	94
Carbon Disulfide	96
2-Propanol	90
trans-1,2-Dichloroethene	98
2-Butanone (Methyl Ethyl Ketone)	99
Tetrahydrofuran	95
1,4-Dioxane	100
4-Methyl-2-pentanone	100
2-Hexanone	101
Bromoform	106
4-Ethyltoluene	99
Ethanol	89
Methyl tert-butyl ether	101
3-Chloropropene	94
2,2,4-Trimethylpentane	99
Naphthalene	81

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	100	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0812199-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7121203**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 12/12/08 09:23 AM**

Compound	%Recovery
Freon 12	95
Freon 114	97
Vinyl Chloride	96
Bromomethane	95
Chloroethane	90
Freon 11	95
1,1-Dichloroethene	106
Freon 113	111
Methylene Chloride	95
1,1-Dichloroethane	99
cis-1,2-Dichloroethene	99
Chloroform	101
1,1,1-Trichloroethane	103
Carbon Tetrachloride	102
Benzene	103
1,2-Dichloroethane	105
Trichloroethene	106
1,2-Dichloropropane	104
cis-1,3-Dichloropropene	104
Toluene	108
trans-1,3-Dichloropropene	107
1,1,2-Trichloroethane	105
Tetrachloroethene	107
1,2-Dibromoethane (EDB)	103
Chlorobenzene	104
Ethyl Benzene	102
m,p-Xylene	102
o-Xylene	103
Styrene	103
1,1,2,2-Tetrachloroethane	104
1,3,5-Trimethylbenzene	99
1,2,4-Trimethylbenzene	99
1,3-Dichlorobenzene	102
1,4-Dichlorobenzene	103
alpha-Chlorotoluene	109
1,2-Dichlorobenzene	102
1,3-Butadiene	89
Hexane	93
Cyclohexane	101

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0812199-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7121203**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 12/12/08 09:23 AM**

Compound	**%Recovery**
Heptane	104
Bromodichloromethane	108
Dibromochloromethane	108
Cumene	103
Propylbenzene	103
Chloromethane	105
1,2,4-Trichlorobenzene	112
Hexachlorobutadiene	101
Acetone	98
Carbon Disulfide	97
2-Propanol	99
trans-1,2-Dichloroethene	99
2-Butanone (Methyl Ethyl Ketone)	103
Tetrahydrofuran	104
1,4-Dioxane	132
4-Methyl-2-pentanone	105
2-Hexanone	108
Bromoform	109
4-Ethyltoluene	102
Ethanol	118
Methyl tert-butyl ether	102
3-Chloropropene	97
2,2,4-Trimethylpentane	100
Naphthalene	107

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager: Jeff Schmidt
Collected by: (Print and Sign) Jeff Schmidt / [signature]
Company: Iris Environmental Email: jeff@irisenv.com
Address: 1438 Webster St. STE 302 City: Oakland State: CA Zip: 94612
Phone: (510) 834-4747 x45 Fax: (510) 834-4199

Project Info:
P.O. #: 08-616-A
Project #: 08-616-A
Project Name: San Leandro

Turn Around Time:
☐ Normal
☒ Rush 5 Day (specify)

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	WP-7-5.0	94907	12-5-08	~~1435~~ 1140	TO-15 + naphthalene + n Propanol	<-30	-5		
02A	EP-3-5.0	2160	12-5-08	1425	TO-15 + naphthalene + n Propanol	<-30	-3		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	12-8-08/1230	[signature]	12-8-08 1230
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes: n Propanol was used as leak detection compound, please report only if above 10 ug/L.

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Dropoff	—	NA	Good	Yes No (None)	0812199

Form 1293 rev. 1