SDMS DOCID # 1149866

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ENVIRONMENT AND WATER RESOURCES

January 19, 2005
287-001

Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90630

Attn: Mr. Nebu John

Re: Facilities Investigation Report
Associated Plating Company
9636 Ann Street, Santa Fe Springs, California

Dear Mr. John,

Komex is pleased to submit the attached *Facilities Investigation Report* for the Associated Plating Company (APC) metal plating facility located at 9636 Ann Street, in the city of Santa Fe Springs, California. The report describes previous investigations, document review of nearby sites and the procedures and results obtained from the soil and soil gas investigation performed at the Associated Plating Company in September 2004. If you have any questions or comments, feel free to call either Mark or myself at (714) 379-1157, extension 103 and 152, respectively.

Sincerely,

Mark P. Ausburn, R.G.
Senior Manager

Lee Paprocki, R.G.
Hydrogeologist

cc:

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APC Investments
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FACILITIES INVESTIGATION REPORT
ASSOCIATED PLATING COMPANY
SANTA FE SPRINGS, CALIFORNIA

PREPARED FOR:

Associated Plating Company

9636 Ann Street

Santa Fe Springs, California, 90670

PREPARED BY:

KOMEX

5455 Garden Grove Boulevard, Second Floor

Westminster, CA 92683

January 19, 2005

287-001

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LIST OF ABBREVIATIONS

APC	Associate Plating Company
AOPC	areas of potential concern
API	American Petroleum Institute
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes (collectively referenced)
CA	California
CAM	California Administrative Manual
cis-1,2-DCE	cis-1,2-dichloroethene
cm/sec	centimeters per second
Dayton	Dayton Superior
1,1-DCA	1,1-Dichloroethane
1,1-DCE	1,1-Dichloroethene
DHS	California Department of Health Services
DOT	Department of Transportation
DTSC	Department of Toxic Substances Control
DWR	California Department of Water Resources
ESLs	Environmental Screening Levels
feet	ft
foot	ft
g/cc	grams per cubic centimeters
Geohazard	Geohazard Investigations, Inc.
LARWQCB	Regional Water Quality Control Board, Los Angeles Region
LNAPL	light non-aqueous liquid
MCLs	maximum contaminant levels
mg/kg	milligrams per kilogram
MS	matrix spike
MSD	matrix spike duplicate
MSL	mean sea level
MTBE	methyl tert-butyl ether
NPL	National Priorities List
OD	outside diameter
Omega	Omega Chemical facility

OU	Operable Unit
PBR	Permit by Rule
PCE	tetrachloroethene
PCOCs	potential chemicals of concern
PID	photoionization detector
ppm	parts per million
PRG	Preliminary Remediation Goal
QA	quality assurance
QC	quality control
RBSLs	Risk-Based Screening Levels
SGS	soil gas survey
Sq ft	square foot
SVOCs	semi-volatile organic compounds
SWMUs	Solid Waste Management Units
TCE	trichloroethene
TPH	total petroleum hydrocarbons
TPHd	total petroleum hydrocarbons in the diesel range
TPHg	total petroleum hydrocarbons in the gasoline range
ug/kg	micrograms per kilogram
ug/L	micrograms per Liter
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency
UST	underground storage tank
Valvoline	Valvoline Oil Company
VC	vinyl chloride
VOCs	volatile organic compounds
WDI	Waste Disposal Inc.

1 INTRODUCTION

This report presents the comprehensive results of previous investigations and the recent additional Komex investigation conducted in September 2004 of organic and inorganic constituents in soil beneath the Associated Plating Company (APC) metal plating facility (the Site – **Figure 1**). The Site is located at 9636 Ann Street in the City of Santa Fe Springs, California.

The work was performed in accordance with: the *Workplan for Facility Investigation* prepared by Komex and dated June 25, 2004 (Komex, 2004). This workplan incorporated the general and specific Department of Toxic Substances Control (DTSC) comments from their letters to APC, dated April 1, and June 14, 2004 (DTSC, 2004a; DTSC, 2004b). This report has been prepared in accordance with the *Corrective Action Consent Agreement* entered into between APC and the DTSC on January 5, 2004.

1.1 FACILITY BACKGROUND

APC operates a plating shop for small metallic components at 9636 Ann Street in the City of Santa Fe Springs, California (**Figures 1 & 2**). The Site consists of an approximately 17,000 square foot (sq. ft.) concrete tilt-up building, situated on approximately 1.25 acres. The plating facility specializes in the use of fused tin and tin/lead alloys using electro- and electroless plating. Nickel and copper are the most commonly used metals. Precious metal plating is also performed using silver, gold, tin, zinc, and aluminum. Several plating lines with associated tanks are located within the facility. APC handles hazardous waste in two units authorized by the DTSC on August 4, 1993 under Permit by Rule (PBR).

For purposes of discussion and points of reference, the Site can be divided into six main areas, described as follows (**Figure 3**):

- Administrative offices, located in the northwestern area of the building;
- Shipping, receiving and inspection room, located in the northeastern area of the building;
- Main plating facility, occupying the rest of the building that includes lines one through five, the floor channels, the maintenance room and the maintenance stockroom;

- Outside storage, located to the east of the building that includes from north to south: the former tetrachloroethene (PCE) above ground storage tank (AST), empty drum storage area, a chemical storage area and a second area of chemical storage located in the southeastern corner of the Site;

- Wastewater treatment area, located to the south of the building that includes: holding tanks, clarifiers, filter press, batch neutralization tanks, sludge dryer, cyanide destruction unit, stripping department and ion exchange units. The former vapor degreaser was also located in this area; and

- Employee parking and vacant land, located to the east of the outside storage.

1.2 OBJECTIVE

The objective of this investigation was to delineate the lateral and vertical extent of inorganic and organic contamination, regardless of source, within the soils above the buried concrete pad, to the APC property boundaries (defined as Operable Unit-1 or OU-1 – **Figure 4A**).

Operable Units-2 and 3 (OU-2 and OU-3) will be addressed at a later stage, after corrective action has been completed at OU-1.

2 PREVIOUS INVESTIGATIONS

2.1 PHASE I PRELIMINARY SITE ASSESSMENT

In May 1994, a Phase I Preliminary Site Assessment (Phase I) was performed at the Site by Geohazard Investigations, Inc. (Geohazard, 1994). The Phase I identified containment pits and trenches containing various chemical compounds and recommended that a soil sampling program be conducted to determine if soils have been impacted outside of these structures. The Phase I also identified two adjacent facilities (Unocal and Dayton Superior Concrete Company) at which leaking underground storage tanks (USTs) had been reported.

2.2 PHASE I ENVIRONMENTAL SITE ASSESSMENT

In September 1999, a Phase I Environmental Site Assessment was performed at the Site by Dames and Moore (Dames & Moore, 1999). The Phase I discussed operations and the use of hazardous materials such as PCE at the Site, and identified numerous facilities within ½ mile of the Site with the potential to impact groundwater beneath the Site. The report also noted that the groundwater in the Site vicinity was known to be of poor quality due to the industrial use in the area.

2.3 PHASE I SITE ASSESSENT VERIFICATION INSPECTION

On March 9, 2001, the DTSC conducted a Phase I Site Assessment Verification Inspection at the Site and identified areas of potential concern (AOPC) that required further investigation, including the boiler area, the secondary containment area of the flocculation tank, the trench adjacent to the boiler area, the vapor degreaser area, and the floor channel area (DTSC, 2001).

2.4 PHASE II SUBSURFACE INVESTIGATION

Between November 2001 and February 2002, URS Corporation conducted a Phase II Subsurface Investigation at the Site, based on the results of the Phase I investigations, and in accordance with their DTSC approved workplan. The investigation assessed the possible impact to onsite soils by wastewater containing metals and/or cyanide, degreasing solvents and acids (URS, 2002). The investigation included drilling and soil sampling of 14 shallow boreholes (B1 through B9, B11, B12 and BG-1 through BG-3) to depths of 5 to 10 feet below ground surface

(bgs), and drilling, soil sampling and groundwater sampling of one deep borehole (B10) to a depth of 40 feet bgs (**Figure 3**).

2.4.1 SOIL RESULTS

- All of the soil boreholes except those drilled in the employee parking, in the vacant lot east of the APC facilities, and north of the administrative offices encountered a concrete pad at a depth of 7 to 7.5 feet bgs. This concrete pad is interpreted to represent the base of a large oil production waste storage tank observed covering the facility in a 1936 aerial photograph.
- The material detected in the boreholes from ground surface to the top of the subsurface concrete pad was fill material that consistently contained hydrocarbon staining (sometimes hydrocarbon saturation) and odor.
- Total petroleum hydrocarbons (TPH) were detected in 17 of the 30 soil samples analyzed with concentrations ranging from 14 to 12,100 milligrams per kilogram (mg/kg) [**Appendix A**, **Table 3**]. Most of the samples had a wide range of hydrocarbons, generally weighted towards the higher carbon number compounds (C_{10} to C_{40}), consistent with diesel and crude oil range hydrocarbons. The hydrocarbons in the C_6 to C_{10} range, including the fuel volatile organic compounds (VOCs) presented in **Appendix B, Table 4** could represent the volatile fraction of diesel fuel. All of the hydrocarbons detected in the 20 and 30-foot depth soil samples in borehole B10 (below the concrete pad) occurred within the C_6 to C_{28} range, consistent with a diesel fuel. The petroleum hydrocarbons detected above the concrete pad are not consistent with materials used or produced at the APC facility, and probably represent pre-existing oil production facility waste in the fill material. The petroleum hydrocarbons detected in B10 below the concrete pad may represent diesel fuel that migrated through soil and/or groundwater from the nearby Unocal, Dayton, or Valvoline facilities (**Figure 2**).
- Cyanide was not detected in soil samples and all pH readings were within acceptable levels and were similar to background levels. Semi-volatile organic compounds (SVOCs) were not detected in any of the soil samples analyzed.
- The following metals were detected in soil samples: barium, beryllium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, thallium, vanadium, and zinc. The concentrations detected are summarized in **Appendix C, Table 5.**

- Chlorinated solvent compounds, in particular PCE (up to 35 mg/kg) and trichloroethene (TCE – up to 4.6 mg/kg), were detected in 27 of 40 soil samples (**Appendix D, Table 2**). The areas impacted were: 1) immediately north of the vapor degreaser, 2) adjacent to the southeast corner of the wastewater treatment area, and 3) to the east of the building, in the loading and storage area. The presence of these chlorinated solvents is consistent with operations at the APC facility.
- Vinyl chloride (VC) is present in the soil above and below the subsurface concrete pad in the immediate vicinity of the soil borehole from which the groundwater grab sample from B10 was collected. VC may have formed from breakdown of TCE and PCE, or may have been disposed of as a primary waste in the large petroleum waste storage tank that occupied the property prior to APC operations.

2.4.2 GROUNDWATER

- Groundwater was detected in the deep soil borehole (B10) at a depth of 37 feet bgs.
- An undetermined thickness of light non-aqueous phase liquid (LNAPL) hydrocarbons was detected at the groundwater surface.
- VOC compounds representing typical components of petroleum hydrocarbon fuels (sec-butylbenzene [73 micrograms per liter (ug/L)], tert-butylbenzene [9.4 ug/L], isopropylbenzene [150 ug/L], n-propylbenzene [7.2 ug/L], and naphthalene [47 ug/L]), and the chlorinated solvent VC (69 ug/L) were detected in a grab groundwater sample from the deep soil borehole (B10).

Possible sources of the hydrocarbons (LNAPL and fuel VOCs) include: the former Unocal facility to the southwest of the Site and the Dayton Superior and Valvoline facilities to the northwest of the Site (**Figure 2**). The Omega Chemical facility, a United States Environmental Protection Agency (USEPA) National Priorities List (NPL) "Superfund" site, represents a possible source of chlorinated solvents and is located approximately 1.4 miles northeast of the Site (**Figure 1**). The Omega Chemical facility will be discussed in more detail in **Section 4.5**.

3 GEOLOGY AND HYDROGEOLOGY

3.1 REGIONAL GEOLOGY AND HYDROGEOLOGY

This portion of Los Angeles County is underlain by The Los Angeles County Coastal Plain and is bounded by the Santa Monica Mountains to the north, the low lying Elysian, Repetto, Merced, and Puente Hills to the northeast, a political boundary coinciding with the boundary between Los Angeles County and Orange County to the southeast, and the Pacific Ocean to the southwest. Alluvial fans formed by the Los Angeles, Rio Hondo, and San Gabriel Rivers systems have coalesced to form the Downey Plain, which represents the largest area of recent alluvial deposition in the Coastal Plain. The Downey Plain is bordered by the La Brea, Montebello, and Santa Fe Spring Plains, and the Coyote hills to the north and northeast, the Newport Inglewood uplift to the southwest, and the Coastal Plain of Orange County to the southeast (DWR, 1961). The Downey Plain slopes gently to the south with an average gradient of less than 18 feet per mile. The Site is located between the Downey Plain and the Santa Fe Springs Plain. The Santa Fe Springs Plain is located south of Whittier and east of the San Gabriel River, in the area of the City of Santa Fe Springs. The Santa Fe Springs Plain is a low, slightly rolling topographic feature and represents a continuation of the Coyote Hills Uplift to the southeast.

The Coastal Plain of Los Angeles County is a deep groundwater reservoir filled by unconsolidated alluvial sands, gravels, clays, and silts. Fresh-water aquifers extend to depths of over 2,000 feet. The California Department of Water Resources (DWR) divided the coastal plain into four groundwater basins: the Santa Monica Basin, the West Coast Basin, the Hollywood Basin, and the Central Basin (DWR, 1961). The Site lies within the Central Basin, which is further divided into four parts for descriptive purposes: the Los Angeles Forebay Area, the Montebello Forebay Area, the Whittier Area, and the Central Basin Pressure Area.

The Site is located in the Central Basin Pressure Area. The Central Basin Pressure Area is called a "pressure area" because the aquifers within it are confined by aquicludes over most of the area. The major regional aquitards and aquifers beneath the Site occur in the Recent Alluvium, the Upper Pleistocene Lakewood Formation, and the Lower Pleistocene San Pedro Formation. Depth intervals for the major regional hydro-stratigraphic units (aquitards and aquifers) in the Site vicinity are presented in the table below:

Regional Hydro-stratigraphic Unit	Formation	Approximate Depth Intervals (feet bgs)
Bellflower Aquitard	Recent Alluvium	0 – 30
Gaspur	Recent Alluvium	30 – 65
Gage	Lakewood	65 – 110
Hollydale-Jefferson	San Pedro	110 - 130
Lynwood	San Pedro	130 – 210
Silverado	San Pedro	210 – 360
Sunnyside	San Pedro	360 - 610

3.2 SITE GEOLOGY AND HYDROGEOLOGY

3.2.1 SITE GEOLOGY

The elevation of the property is approximately 150 feet above mean sea level (MSL) with a local topographic gradient of less than 20 feet per mile to the southeast. The Site is underlain with artificial fill composed primarily of silt from ground surface to an approximate depth of 7 feet bgs. At approximately 7 feet bgs a concrete pad is encountered, which is approximately four inches thick. Underlying the concrete pad is a silt and clay layer that extends to approximately 28 feet bgs. Below the silt and clay layer is a sand and gravel layer that extends to at least 40 feet bgs (**Figure 4A**). Both the silt and clay layer and the sand and gravel layer correspond to the Recent Alluvium.

3.2.2 SITE HYDROGEOLOGY

First groundwater has been detected between 35 and 40 feet bgs and corresponds to the Gaspur Aquifer. Based on groundwater elevations measured in monitoring wells associated with the WDI and the Omega Chemical Superfund site investigations (USEPA, 2002 and Weston Solutions, 2004), groundwater flow is towards the southwest at an approximate gradient of 0.0025 feet per foot (ft/ft).

3.3 SITE CONCEPTUAL MODEL

In accordance with the Site conceptual model developed below, the subsurface at the Site and Site vicinity has been divided into three operable units: Operable Unit 1 (OU-1), Operable Unit 2 (OU-1), and Operable Unit 3 (OU-3) (**Figures 4A**). OU-1 consists of fill material underlying the Site from ground surface to the top of the buried concrete pad (approximately 7 feet bgs). OU-2 consists of on-Site soils and the first groundwater zone, from the base of the concrete pad to approximately 50 feet bgs. OU-3 consists of the off-Site soils and the first groundwater zone.

Fill material in OU-1 is impacted by petroleum hydrocarbons (C_6 to C_{40}), fuel VOCs (probably representing pre-existing contamination from the former storage tank), and chlorinated solvent compounds (consistent with releases of PCE from the APC facility). The potential release mechanisms, pathways, exposure routes, and receptors are illustrated in **Figure 4B**. Potential migration pathways for the more mobile contaminants (chlorinated solvents and fuel VOCs) include volatilization to surface air, fluid (vapor or liquid) transport beyond the edge of the concrete barrier, and liquid transport through possible cracks in the buried concrete pad (**Figures 4A** and **4B**). A receptor is potentially affected if the source, release mechanism, pathway, and exposure route are feasible, as indicated by a circle on **Figure 4B**.

Soil and groundwater contaminant conditions in OU-2 are based on the single soil borehole drilled below the buried concrete pad (B10). Soil in OU-2 is impacted by petroleum hydrocarbons (C_6 to C_{28}); fuel VOCs, cis-1,2-dichloroethene (cis-1,2-DCE) and VC. LNAPL hydrocarbons are present on the groundwater surface, and fuel VOCs and VC are dissolved in groundwater. All of these constituents may have been disposed of in the former petroleum waste storage tank at the Site, and migrated downwards, impacting deeper soils and the groundwater (**Figures 3A** and **3B**). The LNAPL and the fuel VOCs are also consistent with possible migration through soil and groundwater from the nearby former Unocal and/or Dayton Superior facilities. Cis-1,2-DCE and VC are breakdown products of TCE and PCE, and may have migrated downward from the upper fill material. Based on the presence of dissolved chlorinated solvents and chloroform in groundwater samples collected just up-gradient and down-gradient of the Site (**Section 4**), there is a high potential that VOCs from off-Site sources have impacted OU-2 (on-Site) groundwater.

There are several potential sources for contamination in OU-3 (off-Site) groundwater, including all or some the following:

- Former petroleum waste storage tank on APC property (petroleum hydrocarbons and fuel VOCs);

- Valvoline, Dayton Superior and Unocal facilities (petroleum hydrocarbons, including LNAPL and fuel VOCs);
- WDI (VOCs and metals);
- APC facility (chlorinated solvents); and
- Omega Superfund site (chlorinated solvents and chloroform).

Other contaminant compounds from unknown sources have been detected in up-gradient Omega Chemical Superfund Site well MW-11A, including methyl tert-butyl ether (MTBE) and perchlorate (**Section 4**).

4 ADDITIONAL DOCUMENT REVIEW

Most of the contaminants detected in the groundwater, and in the soil in the zone of groundwater fluctuation (smear zone), are not consistent with the hazardous materials stored and used at the APC facility. Moreover, there are other contaminated sites nearby the APC facilities (e.g. Waste Disposal Inc., Tosco – formerly Unocal, Dayton Superior, Valvoline Oil Company, and Omega Chemical facility) that are potential sources of these contaminants. Therefore, records pertaining to these and other nearby contaminated sites from the following agencies were reviewed: Regional Water Quality Control Board, Los Angeles Region (LARWQCB), and USEPA.

4.1 WASTE DISPOSAL INC (WDI)

Waste Disposal Inc (WDI) is located approximately 500 feet southeast of the Site at 12731 East Los Nietos Road, Santa Fe Springs, California. WDI is a Superfund site that consists of 22 parcels of land that cover approximately 43 acres. A buried 42-million gallon reservoir (600 feet in diameter and 25 feet deep) is located in the center of the site and was used for the disposal of a variety of liquid and solid wastes.

The subsurface geology at WDI consists of 5 to 15 feet of fill material covering the concrete reservoir, underlain by a silt layer approximately 10 to 25 feet thick. Below the silt layer is at least 50 feet of interbedded sand and pebbly sand with minor lenses of clay and silt (Ebasco, 1989).

Groundwater occurs at depths of 48 to 65 feet bgs and groundwater flow is generally south-southeast, with a minor southwest component in the southwestern portion of the site. The hydraulic gradient is generally 0.003 ft/ft, but steepens to 0.035 ft/ft in the southwestern portion of the site.

The following contaminants have been detected in soil: antimony, arsenic, cadmium, chromium, copper, lead, manganese, mercury, selenium, thallium, zinc, Aldrin, Lindane, Chlordane, DDT, DDD, DDE, Heptachlor, PCBs, and VOCs including pentachlorophenol, benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX), PCE, TCE and VC (USEPA, 2002). **Figure 4** in **Appendix E** depicts the lateral extent of contamination (USEPA, 2002). EPA estimates that the maximum thickness of impacted soil is 20 feet (USEPA, 2002).

Methane and VOCs including BTEX, PCE, TCE, cis-1,2-DCE, trans-1,2-DCE and VC were detected in soil gas samples (USEPA, 2002).

Groundwater samples collected in several deep and upgradient wells contained arsenic, lead, manganese, mercury, benzene, toluene, xylene, carbon tetrachloride, chloroform, PCE, TCE and VC above the maximum contaminant levels (MCLs). However, shallow, intermediate, and downgradient wells did not contain contaminants above the MCLs (USEPA, 2002). Therefore, EPA has determined that WDI has not contributed to exceedences of groundwater MCLs (USEPA, 2002).

In 2002, the EPA recommended containment, collection, and treatment of gases, collection and removal of site liquids, long-term groundwater monitoring, and institutional controls including a cap to cover the existing reservoir and areas outside the reservoir (EPA, 2002).

Background soil samples were collected at the St. Paul's High School located directly northeast of WDI. Six soil boreholes were advanced and 12 soil samples were collected for metals analysis. The following metal concentrations were detected:

- Arsenic was detected in all samples ranging in concentration from 1.63 to 15.90 parts per million (ppm);
- Cadmium was detected in three of the 12 samples ranging in concentration from 0.26 to 0.36 ppm;
- Chromium was detected in all samples ranging in concentration from 5.90 to 51.20 ppm;
- Copper was detected in all samples ranging in concentration from 4.95 to 41.50 ppm;
- Lead was detected in all samples ranging in concentration from 1.70 to 10.00 ppm;
- Mercury was detected in six of the 12 samples ranging in concentration from 0.02 to 0.19 ppm; and
- Selenium was detected in three of the 12 samples ranging in concentration from 0.20 to 0.28 ppm.

4.2 TOSCO (FORMERLY UNOCAL)

Unocal is located directly southwest of the Site at 9645 Santa Fe Springs Road in Santa Fe Springs, California. The site lithology consists primarily of silt from the ground surface to 30 feet bgs with lenses of sand and clay. In the vicinity of the tank cavity the sand lens thickness increases to 20 feet. The silt layer is underlain by sand from 30 to 40 feet bgs followed by

gravelly sand from 40 to 50 feet bgs. Groundwater is encountered between 66 to 37 feet bgs and groundwater flow is to the south-southwest with a gradient of 0.001 ft/ft (Clayton, 1997).

An unauthorized release occurred in 1989 from a gasoline UST. In July 1989 the UST was removed. TPH as gasoline (TPHg), TPH as diesel (TPHd) and BTEX were detected in soil to at least 40 feet bgs. TPHg, BTEX, MTBE, and chlorinated solvents (PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE) were detected in the groundwater. Unocal stated that chlorinated solvents detected in groundwater were from upgradient sources.

An SVE system consisting of 12 wells operated on-site from 1993 to 1997, removing approximately 90,000 pounds of fuel hydrocarbons. A "No further action" letter was granted by LARWQCB in April 1998, and the wells were abandoned in June 1998.

4.3 DAYTON SUPERIOR

Dayton Superior (Dayton) is located directly west and north of the Site at 9415 South Sorensen Avenue in Santa Fe Springs, California.

The site lithology consists of sandy clay from the ground surface to 3 feet bgs, followed by clayey silt from 3 to 17 feet bgs. The silt layer is underlain by silty fine sand from 17 to 27 feet bgs followed by fine to coarse grained sand and gravel from 27 to 60 feet bgs. Groundwater occurs between 36 and 39 feet bgs and groundwater flow is to the southwest.

In 1987, two 5,000-gallon USTs containing diesel and gasoline were removed. During the excavation, TPHg, TPHd, and other light petroleum distillates were detected in soil. After the excavation, three boreholes were installed to 35 feet. Impacted soil was detected from the ground surface to 35 feet bgs and BTEX was detected in groundwater, generally at concentrations between 1 and 30 ug/L. In 1996, the Site was granted closure.

In November 2002, two 5,000-gallon USTs containing diesel and gasoline and the associated dispensers were removed. MTBE was detected in the soil beneath the gasoline UST at a concentration of 41.5 (micrograms per kilogram) ug/kg and beneath the dispenser at a concentration of 30.4 ug/kg. TPHd, TPHg, and BTEX were not detected in the soil. Groundwater was not encountered during the excavation. As of 2003, there has been no remediation at the Site. In February 2003, the LARWQCB requested more information to consider for closure or further assessment.

4.4 VALVOLINE OIL COMPANY

Valvoline Oil Company (Valvoline) is located approximately 900 feet north of the Site, at 9520 John Street in Santa Fe Springs, California. The site lithology consists of silt and fine-grained sand from the ground surface to 20 feet bgs. Sand, gravel, and silty sand occur from 20 to 53 feet bgs. The sand layer is underlain by clay and silty clay to a depth of 60 feet bgs, followed by silty sand and sand to a depth of 62 feet bgs. Groundwater occurs between 40 and 51 feet bgs and groundwater flow is reportedly to the south.

In 1987/1988, two oil USTs (4,000 and 1,000 gallons) were closed in place and one 8,000-gallon diesel UST was removed. TPHd and BTEX were detected in soil near the diesel tank. Petroleum hydrocarbons and VOCs were also detected in groundwater. The LARWQCB concluded that the chlorinated hydrocarbons detected in groundwater did not originate from the Site. After nine years (1988 to 1997) of monitoring, the LARWQCB concluded that petroleum hydrocarbon concentrations in groundwater were relatively low and stable, and therefore, granted site closure.

4.5 OMEGA CHEMICAL SUPERFUND SITE

The Omega Chemical facility (Omega) is located at 12504 and 12512 East Whittier Boulevard in Whittier, California, approximately 1.4 miles northeast (or upgradient) of APC. The facility operated as a RCRA solvent and refrigerant recycling and treatment facility, handling primarily chlorinated hydrocarbons and chlorofluorocarbons from approximately 1976 to 1991. The Omega Chemical Superfund site is divided into two operable units: OU-1 and OU-2. OU-1 includes the Omega Chemical facility property and extends a short distance west-southwest to Putnam Street. The OU-2 study area comprises the area extending approximately 1.75 miles to the southwest.

The subsurface geology at Omega consists of low permeable silt and clay with interbeds of sand to a depth of at least 120 feet bgs. Groundwater occurs at approximately 70 feet bgs. Groundwater flow is generally to the southwest at a hydraulic gradient of 0.009 ft/ft. The hydraulic conductivity in the area ranges from 0.6 to 1.6 feet per day.

VOCs, including chlorinating hydrocarbons such as PCE, TCE, cis and trans-DCE and VC, are the primary contaminants of concern in groundwater. A groundwater plume of PCE extends southwest from the Omega past APC (**Figure 11** in **Appendix F**). In August of 2002, a groundwater sample was taken in a temporary monitoring well (installed in a push-probe borehole) at a depth of 71 feet, directly down-gradient of APC at the intersection of Santa Fe

Springs Road and Los Nietos Road (Weston Solutions, 2003). VOCs detected in this sample included:

- PCE (5 ug/L);
- TCE (2 ug/L);
- 1,1-DCE (1 ug/L);
- cis 1,2-DCE (1 ug/L); and
- Chloroform (1 ug/L).

Omega monitoring wells MW-10A and MW-11A are located 800 feet upgradient of APC and are screened between 52 and 62 feet and 40 and 50 feet bgs, respectively. In August 2003, PCE was detected in wells MW-10A and MW-11A at concentrations of 27 ug/L and 12 ug/L, respectively (Weston, 2004). TCE was also detected in wells MW-10A and MW-11A at concentrations of 21 ug/L and 2.1 ug/L, respectively. These results, together with the overall geometry of the Omega Plume, indicate that APC is within the lower concentration margin of a large VOC plume emanating from up-gradient sources. These VOC concentrations constitute "background" conditions with respect to the VOCs detected.

In September 1995, over 3,000 drums and the “grossly” contaminated soils were removed from the Omega Chemical facility (OU-1). The PRPs have submitted a draft workplan for Remedial Investigation of the soils at the Omega site, and are currently drafting a design to implement groundwater containment and mass removal (yosemite.epa.gov/r9/sfund/fsheet.nsf). A site-wide remedy has not been chosen by the EPA as of December 2003.

5 SEPTEMBER 2004 FIELD INVESTIGATIONS

5.1 SOIL GAS SAMPLING AND ANALYSES

5.1.1 SAMPLING LOCATIONS

A site-wide soil gas survey (SGS) comprising 38 locations was conducted on-Site in September 2004 (**Figure 3**). The SGS was performed in accordance with "*Interim Guidance for Soil Gas Investigation*" prepared by the LARWQCB, dated February 25, 1997, and "*Advisory – Soil Gas Investigations*" prepared by DTSC and LARWQCB, dated January 28, 2003. All SGS points and soil boreholes were advanced to the top of the subsurface concrete slab, or to a maximum depth of 15 feet bgs, if the slab was missing. B-23 was designated as a soil gas sampling point and as a soil borehole. Samples were initially collected on September 7, 2004; however, they were not analyzed for TPH. Therefore, the same locations were resampled on September 9, 2004 and the soil gas investigation continued on September 13, 2004. The SGS grid was supplemented by an additional sampling point (B-43) to evaluate suspected sources of VOCs, and to further delineate VOC detections.

5.1.2 SAMPLING PROCEDURES

Soil gas samples were collected using a Geoprobe™ direct push, limited access hydraulic push-probe drill rig, or manually using a hand-held drill roto-hammer (depending on the location access). Drilling procedures for the Geoprobe™ direct push and limited access hydraulic push-probe drill rig involved adding four-foot long by two-inch outside diameter (OD) steel rods to the lead rod equipped with a sample port until the target depth was reached. The manual method involved advancing a stainless steel soil gas vapor probe to the target depth.

Soil gas samples were collected at each location at 5 feet bgs, in accordance with "*Interim Guidance for Soil Gas Investigation*" prepared by the LARWQCB, dated February 25, 1997, except at locations B-44 and B-45 where samples were collected at four feet bgs due to refusal at 5 feet. The rods were retracted approximately three inches to allow soil gas to enter the sample port. The sample port was sealed during advancement by a sacrificial tip. In addition, hydrated bentonite was used to seal around the drive rod at ground surface to prevent ambient air intrusion from occurring.

New 0.25-inch OD Teflon tubing was slipped onto the barbed end of a stainless steel fitting. The other end of the stainless steel fitting, consisting of standard threads and a O-ring gasket,

was lowered down the inside of the rods to the lead rod/sample port where it was threaded to create an air tight seal.

After probe emplacement and prior to sampling, an equilibration time of 20 minutes was observed. To ensure stagnant or ambient air was removed from the sampling system and to ensure samples collected were representative of subsurface conditions, a purge volume versus contaminant concentration test was conducted. In addition to the purge test, a leak test was conducted at every soil gas probe to determine if leakage was present which could dilute the samples and produce an underestimate of actual site conditions or contaminate the sample with external contaminants. A leak test was performed by applying a cloth with 1,1-difluoroethane around the top of every soil gas location and then analyzing for that compound in the sample. 1,1-difluoroethane was detected at one location (B-6) during field activities. A second B-6 sampling location was advanced and a sample as well as a duplicate were collected from this location. 1,1-difluoroethane was not detected in either sample from the second location.

All equipment that came into contact with potentially affected material, including drill rods and the sampling port assembly, was thoroughly cleaned with a laboratory grade detergent (Alconox) and deionized water before and after each use. Upon completion of soil gas sample collection, the boreholes were grouted to the base of the ground surface or floor with hydrated granulated bentonite using the tremie method. The floor was then patched to match preexisting conditions.

5.1.3 SOIL GAS SAMPLE ANALYSES

Soil gas samples and quality assurance/quality control (QA/QC) samples were analyzed by H & P Mobile Laboratory on-Site. Based on the PCOCs listed in *Corrective Action Consent Agreement*, the *Workplan for Facility Investigation (*Komex, 2004*)*, and the general and specific DTSC comments from their letters dated April 1 and June 14, 2004 (DTSC, 2004a; DTSC, 2004b), all soil gas samples, and QA/QC samples were analyzed for the following parameters:

- TPH in accordance with USEPA Method 5030/ 8260B; and
- VOCs in accordance with USEPA Method 5035/8260B.

A detection limit of 1 ug/L was designated for all the VOCs in accordance with "*Interim Guidance for Soil Gas Investigation*" prepared by the LARWQCB, dated February 25, 1997. A detection limit for TPH was not specified in either the "*Interim Guidance for Soil Gas Investigation*" prepared by the LARWQCB, dated February 25, 1997, or the "*Advisory – Soil Gas*

Investigations" prepared by DTSC and LARWQCB, dated January 28, 2003. Therefore, the standard detection limit of 500 ug/L was utilized.

5.1.4 QUALITY CONTROL SAMPLES

Quality control samples including field (ambient) blanks, equipment blanks, and field duplicate samples, (prepared by Komex in the field), and laboratory control, method blank, matrix spike and matrix spike duplicates (prepared in the laboratory), were periodically collected or prepared. Field duplicate samples were collected at a frequency of approximately 10% of the total primary samples.

One field blank and one equipment blank were collected by Komex each sampling day. Each equipment blank was collected by sampling deionized water that was passed through a drilling rod, which was decontaminated after each borehole. Field blank samples were collected at the Site by filling the sample containers with deionized water and allowing them to remain open while the equipment blank was prepared.

A laboratory control, method blank, matrix spike and matrix spike duplicate (MS/MSD) sample were produced and analyzed by the laboratory at a frequency of one per 20 samples.

5.2 SOIL SAMPLING

5.2.1 SAMPLING LOCATIONS

Nine additional shallow soil boreholes (B-18 through B-20, B-22 through B-27) were advanced to 7 feet bgs to characterize the lateral and vertical extent of VOCs (including chlorinated solvent compounds), TPH with carbon chain distinction (TPHe), cyanide, and metals in OU-1. The nine additional shallow soil boreholes were drilled at the locations shown on **Figure 3** in order to assess contaminant conditions at the following Solid Waste Management Units (SWMUs) listed on page 3 of the *Corrective Action Consent Agreement:*

- Boiler Area (SWMU #1 – **borehole B-24**);
- Secondary containment area of the neutralization tank (SWMU #2 – **borehole B-26**);
- Open floor channel on the southern boundary of the facility (SWMU #3 - **borehole B-25**);
- Vapor degreaser area (SWMU #4 – **borehole B-24**);
- Covered floor channel inside the building (SWMU #5 – **boreholes B-18 and B-19**);
- Southern chemical storage area (SWMU #6 – **borehole B-27**);

- Central chemical storage area (SWMU #7 – **borehole B-22**);
- Stripping room area (SWMU #8 – **borehole B-23**); and
- Maintenance stockroom, west of the stripping room (SWMU #9 – **borehole B-20**).

Three soil samples for metals analyses were collected along each of the five plating lines, at depths of 1, 4, and 7 feet bgs in selected soil gas survey locations (**Figure 3**).

Three background samples were collected during the previous phase of investigation (URS, 2002). Rather than taking additional background samples at the Site, background soil sample analytical data for the adjacent WDI Superfund site and from *Background Levels of Soil Trace Elements in Southern California* (Marrett, 1992) will be compiled, analyzed, and evaluated for relevance to the APC investigation.

5.2.2 SAMPLING PROCEDURES

Soil samples were collected using a limited access hydraulic push-probe drill rig until refusal at the top of the sub-surface concrete pad (approximately 7-7.5 feet bgs). Soil samples were collected at each location at approximate depths of 1, 4, and 7 feet bgs, except at boreholes B-18 and B-19 where a 4-foot deep open trench was located. Therefore, soil samples were collected at 4 and 7 feet bgs at boreholes B-18 and B-19.

For soil sampling, a cutting shoe with a spacer ring was threaded onto the male end of the probe rod and an acetate sample liner was inserted through the opposite end of the probe rod. A drive head was then threaded onto the female end of the probe rod and attached to a drive rod. At the required sampling depth, the probe rod and cutting shoe were advanced into the undisturbed soil with a hydraulic hammer. Soil samples were collected in 1 ¾-inch diameter, 4-foot long acetate sleeves lining the inside of the probe rod, which were then cut at the desired sampling depth. The probe rod was then retrieved from the borehole, the drive head removed and the sample liner removed from the probe rod and cut into two sections, one for VOC analyses and one for TPH and metals analyses. The sample for VOC analyses was sub-cored using EnCore™ samplers immediately upon retrieval in accordance with USEPA Method 5035. The sample liner for TPH and metals analyses was sealed with Teflon tape and plastic end caps.

Soil samples were described for lithologic, hydrogeologic and geotechnical properties using the Unified Soil Classification System (USCS). All soil samples underwent initial field screening for the presence of VOCs using a photoionization detector (PID) [Photovac 2020 with a 11.7 eV lamp].

All the soil samples were placed inside a Ziploc® bag and placed on ice in an ice chest for transportation to the office and pick up by the analytical laboratory the following day. Upon completion of soil sample collection, the boreholes were grouted to the base of the floor with hydrated granular bentonite using the tremie method. The floor was then patched to match preexisting conditions.

5.2.3 SOIL SAMPLE ANALYSES

Soil samples and QA/QC samples for laboratory analyses were immediately transferred to an ice chest and delivered within 24 hours under chain-of-custody to Sierra Analytical, a California Department of Health Services (DHS) certified hazardous waste testing laboratory located in Laguna Hills, California. Based on the PCOCs listed in *Corrective Action Consent Agreement*, the *Workplan for Facility Investigation (*Komex, 2004*)*, and the general and specific DTSC comments from their letters dated April 1 and June 14, 2004 (DTSC, 2004a; DTSC, 2004b), all soil samples, and QA/QC samples were analyzed for the following parameters:

- TPH-carbon range in accordance with USEPA Method 5030/ 8015 Modified;
- VOCs in accordance with USEPA Method 5035/8260B;
- pH in accordance with USEPA Method 9040B;
- Cyanide in accordance with USEPA SW-846 Method 9010B; and
- California Administrative Manual (CAM) metals (including hexavalent chromium) using total digestion preparation and USEPA analytical Methods 6020, 7199, and 7471A.

Limited geo-technical testing was required to provide data regarding the consistency, moisture content and geotechnical parameters of the fill materials. Two selected soil samples from borehole B-3 were submitted to PTS Laboratories in Santa Fe Springs, California for the following analyses:

- Native-state air permeability in accordance with American Petroleum Institute (API) Method RP40;
- Pore fluid saturation in accordance with API RP40;
- Porosity in accordance with API RP40;
- Grain density in accordance with API RP40;
- Bulk density in accordance with API RP40;

- Moisture Content in accordance with American Society for Testing and Materials (ASTM) Method D2216;
- Grain size distribution in accordance ASTM Method D422;
- Total organic carbon and fraction organic carbon in accordance with the Walkley-Black method; and
- Hydraulic conductivity in accordance with ASTM Method D5084.

The results of these analyses will be used to evaluate contaminant fate and transport potential, as input to risk assessment equations, and to evaluate the feasibility of *in-situ* remediation options.

5.2.4 QUALITY CONTROL SAMPLES

Quality control samples including field and equipment blanks (prepared by Komex in the field), and laboratory control, method blank, matrix spike and matrix spike duplicates (prepared in the laboratory), were periodically collected or prepared. Field duplicate samples were not collected for soil samples because soil matrix, by nature, is heterogeneous and will not consistently provide repeatable results even for samples collected within centimeters of one another.

One field blank and one equipment blank were collected by Komex each sampling day. Each equipment blank was collected by sampling deionized water that was passed through a drilling rod, which was decontaminated after each borehole. Field blank samples were collected at the Site by filling the sample containers with deionized water and allowing them to remain open while the equipment blank was prepared.

Laboratory control, method blank, matrix spike and matrix spike duplicate (MS/MSD) samples were produced and analyzed by the laboratory at a frequency of one per 20 samples.

5.3 EQUIPMENT DECONTAMINATION

Equipment and sampling apparatus (including sample sleeves) that enter the subsurface or contact a sample were cleaned prior to use, unless they were pre-cleaned during manufacture and have remained in their sanitary seal or other original packaging. The purpose of equipment cleaning is to minimize the potential for cross contamination between samples during investigation activities. Equipment was cleaned in a detergent solution in water followed by rinsing in potable and distilled water.

5.4 WASTE DISPOSAL

The soil from the boreholes was placed in a Department of Transportation (DOT) approved 55-gallon drums. Komex arranged for transport and disposal of the waste at a State licensed hazardous waste disposal or recycling facility. The drum was removed from the facility on December 6, 2004 and an APC representative signed the waste manifest as generator. The waste manifest is presented in **Appendix G**. The water used for decontaminating the drilling equipment was collected by H & P, and the waste was transported and disposed of at a State licensed waste disposal facility.

6 SEPTEMBER 2004 RESULTS OF INVESTIGATION

6.1 SITE LITHOLOGY

Based on lithologic data obtained from soil boreholes (**Appendix H**) completed during this investigation, the Site lithology primarily consisted of artificial fill composed of sandy silt and clayey silt with occasional silty clay from the ground surface to an approximate depth of 7 feet bgs. At approximately 7 feet bgs a concrete pad was encountered. Petroleum hydrocarbon odors were noted in soils from borehole logs B-10 and B-18.

6.2 SOIL GAS RESULTS

6.2.1 TPH IN SOIL GAS

A summary of the TPH analytical results for the soil gas samples is presented in **Table 1**. TPH was detected in four of the 38 samples at 5 feet bgs at concentrations ranging from 560 ug/L (B-40) to 16,000 ug/L (B-39). TPH was detected in two areas of the Site: the southern portion of the main facility near plating lines one, two and four, and in the northern part of the Site in the driveway area just to the east of the facility (**Figure 5**).

In the northern part of the Site, TPH was detected near the building in borehole B-40 at a concentration of 560 ug/L. Farther to the east, TPH was detected in borehole B-39 at a concentration of 16,000 ug/L. Beneath the main facility, near line one, TPH was detected in borehole B-1 at a concentration of 710 ug/L. Near lines two and four, TPH was detected in borehole B-10 at a concentration of 580 ug/L (**Figure 5**).

6.2.2 VOCS IN SOIL GAS

A summary of VOC analytical results for the soil gas samples collected during this investigation is presented in **Table 2**. The following VOCs were detected in soil gas samples collected at 5 feet bgs during this investigation:

- 1,1-Dichloroethane (1,1-DCA), detected in one soil gas sample at a concentration of 3.2 ug/L in B-17;
- cis-1,2-DCE, detected in six soil gas samples at concentrations ranging from 1.7 ug/L in B-42 to 210 ug/L in B-1;

- Ethylbenzene, detected in three soil gas samples at concentrations ranging from 1.7 ug/L in B-46 to 1.9 ug/L in B-4 and B-10;
- PCE, detected in nine soil gas samples at concentrations ranging from 1.0 ug/L in B-43 duplicate to 110 ug/L in B-38;
- TCE, detected in three soil gas samples at concentrations ranging from 1.8 ug/L in B-40 to 54 ug/L in B-37;
- Toluene, detected in 20 soil gas samples at concentrations ranging from 1.0 ug/L in B-2 to 2.3 ug/L in B-9;
- trans-1,2-DCE, detected in five soil gas samples at concentrations ranging from 1.4 ug/L in B-40 to 16 ug/L in B-1;
- VC, detected in six soil gas samples at concentrations ranging from 2.2 ug/L in B-7 to 210 ug/L in B-17, and
- Xylenes, detected in one soil gas sample at a concentration 6.4 ug/L in B-4.

The VOCs with the highest concentrations representing the primary VOC target compounds of this investigation are PCE and its breakdown products: TCE, cis-1,2-DCE, trans-1,2-DCE, and VC. The lateral distribution of PCE and TCE are depicted on **Figure 6**. PCE and its breakdown products were primarily detected in the following areas:

- North central portion of the Site near the Site border and in the vicinity of the former PCE AST (B-37 through B-41);
- Facility inspection area (B-7 and B-9);
- Vicinity of the chiller (B-42 and B-21);
- Southeastern portion of the Site near the southern chemical storage area (B-17, B-46, and B-33); and
- Cis-1,2-DCE and trans-1,2-DCE were detected in the southwestern part of the facility near the former vapor degreaser (B-1).

PCE and breakdown products in soil gas results for each of the Site areas are discussed below:

North Central Portion of the Site near the Former PCE AST

PCE and TCE were detected at concentrations of 110 and 20 ug/L, respectively directly east of the former PCE AST (B-38). PCE, TCE, and cis-1,2-DCE were detected at concentrations of 98, 54, and 2.4 ug/L, respectively, approximately 50 feet north of the former AST (B-37). Cis-1,2-DCE was detected at concentrations of 3.4 ug/L (B-41) and 3.9 ug/L (B-40), west and northwest, respectively, of the former AST. VC was also detected northwest of the former AST at concentrations of 49 ug/L (B-39) and 2.6 ug/L (B-40).

Facility Inspection Area

PCE was detected at concentrations of 5.3 ug/L (B-7) and 2.1 ug/L (B-9) beneath the facility inspection area. VC was also detected in B-7 at a concentration of 2.2 ug/L.

Chiller Area

PCE was detected at a concentration of 14 ug/L in borehole B-21, located directly south of the chiller. Cis-1,2-DCE and VC were detected in borehole B-42, located northeast of the chiller, at concentrations of 1.7 and 38 ug/L, respectively.

Southeastern Portion of the Site near the Southern Chemical Storage Area

PCE was detected at a concentration of 26 ug/L directly west of the southern chemical storage area by the sludge dryer (B-17), and at a concentration of 9.1 ug/L directly east of the storage area (B-33). VC was detected slightly west and north of the storage area (B-17 and B-46) at concentrations of 210 and 46 ug/L, respectively.

Former Vapor Degreaser

Cis-1,2-DCE and trans-1,2-DCE were detected near the former vapor degreaser (B-1) at concentrations of 210 and 16 ug/L, respectively.

6.3 SOIL RESULTS

6.3.1 TOTAL PETROLEUM HYDROCARBONS WITH CARBON CHAIN DISTINCTION (TPHe) IN SOIL

Samples were collected from nine soil boreholes (B-18 through B-20, and B-22 through B-27) for TPHe analysis. A summary of the TPHe analytical results is presented in **Table 3**. TPHe was detected in 22 of the 25 samples at concentrations ranging from 11 mg/kg (B-22 at 1 foot bgs) to 6,385 mg/kg (B-23 at 4 feet bgs). Most of the TPHe detections had a wide carbon range, generally weighted towards the high carbon number compounds (C_{12} to C_{32}). TPHe detections were widespread; however, the higher concentrations were generally in the southern area of the Site [**Figure 7**].

6.3.2 VOCS IN SOIL

Samples were collected from nine soil boreholes (B-18 through B-20 and B-22 through B-27) for VOC analysis. A summary of VOC analytical results is presented in **Table 4**. The following VOCs were detected in soil samples collected during this investigation:

- 1,1-DCA, detected in two soil samples at concentrations ranging from 4.9 ug/kg in B-20 at four feet bgs to 5.0 ug/kg in B-24 at one foot bgs;
- 1,1-Dichloroethene (1,1-DCE), detected in one soil sample at a concentration of 6.7 ug/kg in B-24 at one foot bgs;
- cis-1,2-DCE, detected in 13 soil samples at concentrations ranging from 9.3 ug/kg in B-23 at seven feet bgs to 5,500 ug/kg in B-24 at four feet bgs;
- Cymene, detected in five soil samples at concentrations ranging from 4.1 ug/kg in B-23 at seven feet bgs to 2,400 ug/kg in B-18 at seven feet bgs;
- Ethylbenzene, detected in eight soil samples at concentrations ranging from 4.4 ug/kg in B-B-26 at four feet bgs to 7,900 ug/kg in B-18 at seven feet bgs;
- Isopropylbenzene, detected in 13 soil samples at concentrations ranging from 5.0 ug/kg in B-24 at four feet bgs to 5,100 ug/kg in B-18 at seven feet bgs;
- Naphthalene, detected in 15 soil samples at concentrations ranging from 7.2 ug/kg in B-24 at one foot bgs to 30,000 ug/kg in B-18 at seven foot bgs;
- N-propylbenzene, detected in 12 soil samples at concentrations ranging from 6.2 ug/kg in B-24 at four feet bgs to 8,100 ug/kg in B-18 at seven feet bgs;
- 2-Phenylbutane, detected in 11 soil samples at concentrations ranging from 4.4 ug/kg in B-24 at four feet bgs to 3,700 ug/kg in B-18 at seven feet bgs;

- PCE, detected in six soil samples at concentrations ranging from 71 ug/kg in B-19 at four feet bgs to 1,900 ug/kg in B-22 and B-24 at one foot bgs;
- Toluene, detected in one soil sample at a concentration of 5.6 ug/kg in B-19 at four feet bgs;
- trans-1,2-DCE, detected in 10 soil samples at concentrations ranging from 5.5 ug/kg in B-23 at one foot bgs to 400 ug/kg in B-22 at four feet bgs;
- TCE, detected in nine soil samples at concentrations ranging from 6.7 ug/kg in B-20 at four feet bgs to 1,900 ug/kg in B-24 at one foot bgs; and
- 1,2,4-Trimethylbenzene, detected in three soil samples at concentrations ranging from 18 ug/kg in B-19 at seven feet bgs to 6,700 ug/kg in B-18 at seven feet bgs.

The lateral distribution of PCE and TCE are depicted on **Figure 8**. PCE and TCE were primarily detected in the following areas:

- Near the former vapor degreaser (B-24);
- Southwest of line five along the floor channel (B-18 and B-19); and
- The outside drum storage area (B-22).

Breakdown products of PCE were also detected in the following areas:

- The southern chemical storage area (B-27); and
- The southeastern part of the facility, near the maintenance room and the cyanide destruction unit (B-20 and B-23).

The following petroleum fuel related VOCs were detected at in borehole B-18 at seven feet bgs: 1,2,4 trimethylbenzene (6,700 ug/kg), 2-Phenylbutane (3,700 ug/kg), cymene (2,400 ug/kg), ethylbenzene (7,900 ug/kg), isopropylbenzene (5,100 ug/kg), naphthalene (30,000 ug/kg), and n-propylbenzene (8,100 ug/kg).

6.3.3 METALS IN SOIL

Samples were collected from 14 soil boreholes (B-2, B-3, B-5, B-6, B-10, B-18 through B-20, B-22 through B-27) for metals analysis. A summary of metal analytical results for the 40 samples collected is presented in **Table 5**. The following metals were detected in soil samples collected during this investigation:

- Antimony, detected in one soil sample at a concentration of 0.96 mg/kg in B-22 at one foot bgs;
- Arsenic, detected in 40 soil samples at concentrations ranging from 4.6 mg/kg in B-2 at one foot bgs to 27 mg/kg in B-5 at seven feet bgs;
- Barium, detected in 40 soil samples at concentrations ranging from 44 mg/kg in B-2 at one foot bgs to 230 mg/kg in B-27 at one foot bgs;
- Cadmium, detected in detected in two soil samples at concentrations ranging from 1.5 mg/kg in B-19 at four feet bgs to 4.4 mg/kg in B-3 at one foot bgs;
- Total chromium, detected in 40 soil samples at concentrations ranging from 14 mg/kg in B-2 at one foot bgs to 36 mg/kg in B-25 at four feet bgs;
- Hexavalent chromium, detected in two soil samples at concentrations ranging from 0.51 mg/kg in B-18 at seven feet bgs to 9.5 mg/kg in B-3 at one foot bgs;
- Cobalt, detected in 40 soil samples at concentrations ranging from 5.3 mg/kg in B-10 at one foot bgs to 32 mg/kg in B-5 at one foot bgs;
- Copper, detected in 40 soil samples at concentrations ranging from 22 mg/kg in B-10 at seven feet bgs to 270 mg/kg in B-19 at four feet bgs;
- Lead, detected in 40 soil samples at concentrations ranging from 3.9 mg/kg in B-2 at one foot bgs to 16 mg/kg in B-23 at one feet bgs;
- Nickel, detected in 40 soil samples at concentrations ranging from 18 mg/kg in B-27 at four feet bgs to 460 mg/kg in B-2 at one foot bgs;
- Vanadium, detected in 40 soil samples at concentrations ranging from 32 mg/kg in B-2 at one-foot bgs to 67 mg/kg in B-25 at four feet bgs; and
- Zinc, detected in 40 soil samples at concentrations ranging from 36 mg/kg in B-2 at one-foot bgs to 130 mg/kg in borehole B-19 at four feet bgs.

In general, copper and nickel were the metals detected at the highest concentrations. The lateral and vertical distribution of copper and nickel are depicted on **Figures 9 and 10**. Elevated levels of copper and nickel were detected underneath the main facility near lines one and five (B-2 and B-19). Copper and nickel were detected in soil near line one at 1-foot bgs from borehole B-2 at concentrations of 260 mg/kg and 460 mg/kg, respectively. At 4 feet bgs in the same borehole, nickel was detected at 170 mg/kg and copper was detected at a much lower concentration of 30 mg/kg. At 7 feet bgs in borehole B-2, both copper and nickel were detected at concentrations less than 32 mg/kg.

Beneath the trench near line five, copper and nickel were both detected in borehole B-19 at 4 feet bgs at a concentration of 270 mg/kg. At 7 feet bgs in the same borehole, copper and nickel were detected at concentrations less than 30 mg/kg.

Concentrations of nickel and copper in soil samples from boreholes near lines two through four, the wastewater treatment area, the chemical storage areas, and the cyanide destruction unit were less than 30 mg/kg and 69 mg/kg, respectively.

6.3.4 CYANIDE IN SOIL

A summary of cyanide analytical results for the soil samples is presented in **Table 5**. Cyanide was not detected in the soil samples submitted for laboratory analysis. The laboratory reporting limit for cyanide was 2.5 mg/kg.

6.3.5 PH IN SOIL

pH in soil values from 4.2 to 11.9 (**Table 5)**. pH in most of the soil samples ranged from 6.6 to 7.7. The lowest pH (4.2) was detected in soil from borehole B-2 at 1-foot bgs located within the main facility. The highest pHs (9.8, 9.9, and 11.9) were detected in soil from boreholes B-5 at 1-foot bgs, B-19 at 4 feet bgs, and B-3 at 1-foot bgs, respectively, located within the main facility.

6.3.6 GEOTECHNICAL PARAMETERS

Two soil samples were collected from borehole B-3 for geotechnical analysis. The soil physical properties and the grain size distribution are depicted in **Tables 6** and **7**, respectively. The sample collected at 1-foot bgs is classified as a silt with some fine sand and clay and the sample collected at 7 feet bgs is classified as a sandy silt with some clay according to USCS classification. The bulk density for both samples is 1.76 grams per cubic centimeters (g/cc) and the total porosity was approximately 35%. The moisture content for the sample collected at 1-foot and 7 feet bgs is 12.9% and 15.6%, respectively. The effective permeability to air for the sample collected at 1-foot bgs is 80.3 millidarcies and the effective permeability to air for the sample collected at 7 feet bgs is 0.88 millidarcies. The sample collected at 7 feet bgs has a lower effective permeability to air due to the higher moisture content. The effective hydraulic conductivity for both samples is approximately 2×10^{-7} centimeters per second (cm/sec).

6.4 QUALITY ASSURANCE/QUALITY CONTROL SAMPLE RESULTS

Laboratory QA/QC samples for soil gas were all within the acceptable levels. Soil laboratory QA/QC samples for VOCs, TPHe, and cyanide analyses were all within the acceptable levels.

Soil laboratory QA/QC samples for metals analysis were generally within acceptable levels; however there were a few exceptions. Vanadium was initially detected in soil samples at concentrations generally greater than 1,000 mg/kg; however, it was noticed that the lab QA/QC matrix spike sample overestimated the amount of vanadium. Lab research found that the primary spectrum used to analyze vanadium according to USEPA Method 6020 would have a matrix interference if chloride was present in the soil. Two soil samples were analyzed for chloride and concentrations ranged from 1,800 mg/kg to 5,120 mg/kg (**Table 5**). A secondary spectrum for vanadium analysis, that was not prone to matrix interference with chloride, was used. All samples were reanalyzed for vanadium and results ranged from 32 to 67 mg/kg. The QA/QC matrix spike analysis accurately measured the amount of vanadium in the soil. In addition, vanadium was also analyzed according to USEPA Method 6010 for soil from borehole B-20 at 7 feet and the result was comparable with the result from USEPA Method 6020.

One silver QA/QC matrix spike was below the acceptable level. However, the QA/QC blank, laboratory control sample, and the matrix spike duplicate were all within the acceptable levels. According to laboratory preparation manuals, QA/QC spike samples for silver can be problematic due to silver's low solubility in the presence of excess hydrochloric acid used in the preparation procedures. Regular samples (not spiked) generally do not a problem with silver solubility due to the presence of silicates in soil that effectively buffer the silver against the hydrochloric acid. Therefore, the problem in the silver QA/QC matrix spike probably does not have an effect on the sample results.

One barium matrix spike duplicate was slightly above the acceptable level. However, the laboratory accepted the QA/QC analysis for barium since the blank sample, the laboratory control sample, and the matrix spike sample were all within acceptable levels. One mercury matrix spike and matrix spike duplicate were slightly above the acceptable levels. However, the laboratory accepted the QA/QC analysis for mercury since the blank sample and the laboratory control sample were all within acceptable levels.

A few hexavalent chromium matrix spike samples were below acceptable levels; however, the QA/QC results were generally acceptable since the blank samples and the laboratory control samples were always within acceptable levels.

A summary of the field QA/QC sample results for the analysis of cyanide, VOCs, TPH, and metals is presented in **Table 8.** Cyanide, VOCs and TPH were not detected in any of the field or equipment blanks.

Metals were not detected in any of the field blanks. Barium, copper, nickel, vanadium, and zinc were detected in the equipment blank collected on September 7, 2004. The highest metal concentration detected in the equipment blank was 0.019 mg/L for copper and nickel, and the lowest metal detected in soil samples was 18 mg/kg (nickel). The metal concentrations detected in the equipment blank are therefore, insignificant compared to the metal concentrations detected in soil samples. On September 8, 2004, nickel was detected at a concentration of 0.0016 mg/L in the equipment blank which is insignificant compared to the nickel concentrations detected in soil samples. Metals were not detected in the equipment blanks collected on September 9 and 13, 2004.

7 DISCUSSION

The combined results from the URS investigation conducted in November 2001 and February 2002 (herein referred to as the 2001/2002 investigation) and the Komex investigation conducted in September 2004 (herein referred to as the 2004 investigation) are summarized and discussed below. Since both Komex and URS designated soil boreholes with a B followed by a number, boreholes advanced by Komex will have a dash in between the letter B and the number (e.g. B-5) and boreholes advanced by URS will not have a dash in between (e.g. B5).

7.1 ENVIRONMENTAL SCREENING LEVELS FOR SOIL GAS, SOIL, AND GROUNDWATER

For purposes of this investigation, the California Regional Water Quality Control Board publication, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Volume 1: Summary Tier 1 Lookup Tables* (RWQCB, 2003) and the EPA Preliminary Remediation Goals (PRGs) were compared with chemical concentrations detected in soil, soil gas, and groundwater samples collected at the Site. The RWQCB document is a technical report, which presents lookup tables of conservative Environmental Screening Levels (ESLs, previously referred to as "Risk-Based Screening Levels or RBSLs") of over 100 chemicals commonly found at sites with contaminated soil and groundwater.

This document was prepared by staff of the RWQCB and is intended to help expedite the preparation of environmental risk assessments at sites where impacted soils and groundwater have been identified. Although information provided in the document is not intended to establish policy or regulation, it provides an indication of the concentration of chemicals that would pose a risk.

The RWQCB document is divided into separate lookup tables of soil, soil gas, and groundwater ESLs, based on contamination depth, and whether or not groundwater is a current or potential source of drinking water. For purposes of this investigation, Summary Table B (ESLs for Shallow Soils [less than or equal to 3 meters bgs] and Groundwater, and Table E (ESLs for Indoor Air and Soil Gas) were used as ESLs. The soil gas ESLs are intended for soil gas data collected less than 5 feet below a building foundation or the ground surface. Since soil gas data was collected at 5 feet bgs, the ESLs will be slightly conservative (low) for the data collected.

The soil ESLs are generally much lower than PRGs because the PRGs are primarily intended to address direct human exposure to impacted soil and do not consider impact to groundwater (USEPA, 2002b).

7.2 TPHg IN SOIL GAS

Soil gas samples were collected at 38 locations across the Site for TPHg soil gas analysis. TPHg was detected in four of the 38 samples collected at 5 feet bgs, at concentrations ranging from 560 ug/L to 16,000 ug/L (B-39). The soil gas ESL for commercial/industrial areas is 29 ug/L. The method detection limit (MDL) for TPHg (500 ug/L) is greater than the ESL. Therefore, even if TPHg is not detected, it is unknown if the ESL is exceeded (**Table 5**). TPHg was detected above the MDL beneath the main facility near lines one, two, and four, and beneath the northern portion of Site just to the east of the facility. TPHg in soil gas results for each of these Site areas is discussed below:

Lines one, two, and four

TPHg was detected at a concentration of 710 ug/L (B-1) near line one and at a concentration of 580 ug/L (B-10) near lines two and four. The lateral distribution of TPHg beneath the facility is fully delineated as indicated in **Figure 5**.

Northern Portion of the Site

TPHg was detected at concentrations of 560 ug/L (B-40) and 16,000 ug/L (B-39) east of the facility. The lateral distribution of TPHg is delineated to the east, south, and west, as depicted in **Figure 5**. To the north, the TPHg plume borders the Site boundary and its extent is unknown.

The petroleum hydrocarbons detected above the concrete pad are not consistent with materials used or produced at the APC facility, and probably represent pre-existing oil production facility waste in the fill material or fuel that has migrated through the soil and/or groundwater from the Site to the north.

7.3 VOCS IN SOIL GAS

Soil gas samples were collected at 38 locations across the Site for VOC analysis. VOCs were detected in 28 of the 38 samples collected at 5 feet bgs. PCE, TCE, cis-1,2-DCE, and VC were detected above the soil gas ESL for commercial/industrial areas in some of the samples. The soil gas ESL for the VOCs mentioned previously are as follows (RWQCB, 2003):

- PCE – 1.4 ug/L
- TCE – 4.1 ug/L
- Cis 1,2-DCE – 20 ug/L
- VC – 0.1 ug/L

The method detection limit (MDL) for VC (1.0 ug/L) is greater than the ESL. Therefore, even if VC is not detected, it is unknown if the ESL is exceeded (**Table 2**). ESLs for all but six of the VOCs tested for are provided in **Table 2**.

7.3.1 PCE, TCE, cis 1,2-DCE AND VC IN SOIL GAS

PCE, TCE, and cis-1,2-DCE were detected above the soil gas ESLs, and VC was detected above the MDL in the following areas: northern part of the Site near the former PCE AST, the inspection area, vicinity of the chiller, former vapor degreaser, and southern chemical storage area.

7.3.1.1 Northern Part of the Site near the Former PCE AST

PCE and TCE were detected above the soil gas ESLs, and VC was detected above the MDL near the former AST and to the north. PCE and TCE were detected above the ESLs in soil gas collected from B-38, located directly to the east of the AST at concentrations of 110 and 20 ug/L, respectively. PCE and TCE were also detected above the ESLs in soil gas collected from B-37, located approximately 50 feet north of the AST at concentrations of 98 and 54 ug/L, respectively. VC was detected above the MDL in soil gas collected from B-39 and B-40, located approximately 75 feet northeast of the former AST, at concentrations of 49 and 2.6 ug/L respectively. The presence of these chlorinated solvents is consistent with former operations at the APC facility. PCE is laterally delineated to the east, south, and west, as depicted on **Figure 6**. VC is also laterally delineated to the east, south, and west. PCE and VC are present near the northern boundary of the Site and their extent beyond the Site boundary is unknown.

7.3.1.2 The Facility Inspection Area

PCE was detected above the soil gas ESLs and VC was detected above the MDL beneath the facility inspection area. PCE was detected above the ESLs in soil gas collected from B-7 and B-9 at concentrations of 5.3 and 2.1 ug/L, respectively. VC was detected above the MDL in soil gas collected from B-7 at a concentration of 2.2 ug/L. The presence of these chlorinated solvents is

consistent with former operations at the APC facility. PCE is laterally delineated by non-detections in B-6, B-44, B-8, B-40, B-41, and B-28, as depicted on **Figure 6**. VC is laterally delineated by non-detections in B-44, B-8, B-9, B-28, and B-6.

7.3.1.3 Vicinity of the Chiller

PCE was detected above the soil gas ESL and VC was detected above the MDL in the vicinity of the chiller. PCE was detected above the ESL in soil gas collected from B-21 located directly south of the chiller. VC was detected above the MDL in soil gas collected from B-42 at a concentration of 38 ug/L. The presence of these chlorinated solvents is consistent with former operations at the APC facility. PCE is laterally delineated by non-detections in B-23, B-10, B-28, B-42, and B-43, as depicted on **Figure 6**. VC is laterally delineated by non-detections in B-21, B-28, B-41, B-34, and B-43.

7.3.1.4 Former Vapor Degreaser

Cis-1,2-DCE was detected above the soil gas ESL near the former vapor degreaser at a concentration of 210 ug/L. The presence of chlorinated solvents is consistent with former operations at the APC facility. Cis-1,2-DCE is laterally delineated by non-detections in B-14, B-15, B-2, B-3, and B-10.

7.3.1.5 Southern Chemical Storage Area

PCE was detected above the soil gas ESL and VC was detected above the MDL near the southern chemical storage area. PCE was detected above the ESL and VC was detected above the MDL in soil gas collected beneath the sludge dryer (B-17) along the western side of the chemical storage area at concentrations of 26 and 210 ug/L, respectively. PCE was detected above the ESL in soil gas collected in B-33 along the eastern border of the chemical storage area at a concentration of 9.1 ug/L. The presence of these chlorinated solvents is consistent with former operations at the APC facility. PCE is laterally delineated by non-detections in B-31, B-30, B-46, B-23, and B-16, as depicted on **Figure 6**. VC is laterally delineated by non-detections in B-33, B-30, B-43, B-23, and B-16.

7.4 TOTAL PETROLEUM HYDROCARBONS WITH CARBON CHAIN DISTINCTION (TPHe) IN SOIL

A total of 22 soil boreholes were advanced for TPHe analysis: 13 boreholes during the 2001/2002 investigation and nine during the 2004 investigation. The boreholes were mostly advanced in

the southern part of the Site, in the following areas: the wastewater treatment area, the southernmost chemical storage area, the maintenance stockroom, and plating lines one, two, and four. Several "background" boreholes were advanced during the 2001/2002 investigation in the employee parking area, the adjacent vacant land, and directly south of Ann Street near the administrative offices (**Figure 11**).

TPHe was detected in 21 of the 22 soil boreholes and in 39 of the 55 soil samples submitted for laboratory analysis, with a maximum concentration of 12,100 mg/kg (borehole B5). The RWQCB soil ESL for TPH (middle distillates) and TPH (residual fuels) at residential/industrial sites where groundwater is not a current or potential source of drinking water is 500 mg/kg and 1000 mg/kg, respectively (RWQCB, 2003). A PRG was not listed for TPH.

Boreholes were generally advanced to the concrete pad at approximately 7 feet bgs in the wastewater treatment area, the chemical storage areas, and the main facility. TPHe was generally detected throughout the sample depths of both investigations: 0.5, 1, 3, 4, 5, and 7 feet bgs. TPHe occurrence was fairly widespread (**Figure 11**). The highest TPHe concentrations (between 3,000 and 12,000 mg/kg) were generally detected along the southern border of the property and the southern part of the building (B5, B6, B8, B9, B-23 and B-24). Beneath the center of the building the TPHe concentrations were generally less than 500 mg/kg (B-18 and B-19). TPHe was not detected above the MDL north of the building (BG-1). The lateral extent of TPHe at 4 and 5 feet bgs is depicted in **Figure 12**. TPHe is generally delineated to the north, east, and west. The extent of TPHe to the south is unknown, since concentrations generally increase near the southern border of the Site. The increase in TPHe near the southern border may be due to contamination from Unocal.

In the southeastern part of the Site, near the stripping department, borehole B10 was advanced through the concrete pad to 37 feet bgs. Soil samples were collected at 10, 20, and 30 feet bgs. TPHe was detected above soil screening levels at 20 and 30 feet bgs at concentrations of 840 mg/kg and 2,270 mg/kg, respectively. Therefore, TPHe extends vertically throughout the vadose zone at least at this location. In the employee parking and vacant land area, boreholes BG-2 and BG-3 were advanced to 9 and 10 feet bgs, respectively. Soil samples were collected at 0.5, 5, and 9 to 10 feet bgs. The TPHe concentrations were generally less than 100 mg/kg, until a depth of 9 and 10 ft bgs where concentrations increased to a maximum of 3,803 mg/kg.

Most of the samples from both the 2001/2002 and 2004 investigations had a wide range of hydrocarbons, which were generally weighted towards the higher carbon number compounds

(C_{10} to C_{40}), consistent with diesel and crude oil range hydrocarbons. The hydrocarbons in the C_6 to C_{12} range could represent the volatile fraction of diesel fuel.

The petroleum hydrocarbons detected above and below the concrete pad are not consistent with materials used or produced at the APC facility, and probably represent pre-existing oil production facility waste in the fill material, or diesel fuel that migrated through soil and/or groundwater from the nearby Unocal, Dayton, or Valvoline facilities (**Figure 2**).

7.5 VOCS IN SOIL

A total of 24 soil boreholes were advanced for VOC analysis: 15 boreholes during the 2001/2002 investigation and nine during the 2004 investigation. The boreholes were mostly advanced in the southern and southeastern part of the Site, in the following areas: the wastewater treatment area, the chemical storage areas, and the main facility maintenance stockroom and lines one, two, four, and five. Several "background" boreholes were advanced during the 2001/2002 investigation in the employee parking area, the adjacent vacant land, and directly south of Ann Street near the administrative offices.

VOCs were detected in 15 of the 24 soil boreholes and in 55 of the 65 soil samples submitted for laboratory analyses. Concentrations of PCE and naphthalene were detected above the EPA PRGs of 1,300 and 4,200 ug/kg, respectively. Concentrations of PCE, TCE, cis-1,-2 DCE, and naphthalene were detected above the soil ESLs in some of these samples. The soil ESLs for the VOCs mentioned previously at commercial/industrial sites where groundwater is not a current or potential source of drinking water, are as follows (RWQCB, 2003):

- PCE – 250 ug/kg;
- TCE – 730 ug/kg;
- Cis-1,2-DCE – 3,600 ug/kg; and
- Naphthalene – 4,800 ug/kg.

PCE and TCE concentrations in soil are depicted in **Figure 13**. The lateral distribution of PCE at 4 and 5 feet bgs is depicted in **Figure 14**.

7.5.1 PCE, TCE AND cis-1,2-DCE IN SOIL

PCE was detected above the soil ESL and the industrial PRG in the following areas: the former vapor degreaser location (B-24 and B6), the central chemical storage areas (B-22), the wastewater treatment area near the batch neutralization tanks and the stripping department (B1 and B2) [**Figure 13**]. PCE was detected below the industrial PRG but above the soil ESL beneath

the southern chemical storage area (B-9). TCE was detected below the industrial PRG but above the soil ESL in the following areas: the former vapor degreaser location (B-24 and B6), the southern chemical storage area (B9), the wastewater treatment area near the batch neutralization tanks and the stripping department (B1 and B2). Cis-1,2-DCE was detected above the soil ESL, but below the industrial PRG (150,000 ug/kg) near the former vapor degreaser (B-24).

7.5.1.1 Former Vapor Degreaser

PCE and TCE were detected above the soil ESLs at 1 and 5 feet bgs near the former vapor degreaser (B-24 and B6, respectively). PCE and TCE were both detected in soil collected from borehole B-24 at 1-foot bgs at a concentration of 1,900 ug/kg. The PCE concentration is above the PRG of 1,300 ug/kg; however, TCE was detected below the PRG of 6,500 mg/kg. PCE and TCE were not detected above the ESL at depths below 1 foot in borehole B-24. Cis-1,2-DCE was detected below the industrial PRG but above the soil ESL at a concentration of 5,500 ug/kg from soil collected at 4 feet bgs from borehole B-24. Cis-1,2-DCE was detected below the soil ESL at 1 and 7 feet bgs in borehole B-24.

PCE and TCE were detected in soil collected from borehole B6 at a depth of 5 feet bgs at concentrations of 2,600 ug/kg and 4,600 ug/kg, respectively. PCE and TCE concentrations in soil samples collected 25 feet from the former vapor degreaser were all less than the soil ESLs for PCE and TCE. The presence of these chlorinated solvents is consistent with former operations at the APC facility.

7.5.1.2 Chemical Storage Areas

PCE and TCE were detected below the industrial PRG but above the soil ESLs in the western part of the southern chemical storage area (B9). PCE and TCE were detected at concentrations of 1,100 ug/kg and 2,200 ug/kg, respectively in soil samples collected at 0.5 feet bgs (B9). PCE and TCE were not detected above the MDLs in soil collected at 5 feet bgs in borehole B9. PCE and TCE were not detected above the MDLs in soil collected beneath the eastern part of the southern chemical storage area (B-27, located approximately 20 feet east of borehole B9).

PCE was detected above the industrial PRG and the ESL in the central chemical storage area (B-22) at a concentration of 1,900 ug/kg at 1-foot bgs. PCE was not detected above the soil ESL in soil collected at 4 or 7 feet bgs in the same borehole. PCE was also detected above the soil ESL, approximately 12 feet northwest of the chemical storage area (B12). PCE was detected at a concentration of 440 ug/kg in soil collected at 0.5 feet bgs from borehole B12. PCE was not

detected above the MDL in soil collected at 5 and 7 feet bgs in the same borehole. The presence of these chlorinated solvents is consistent with former operations at the APC facility.

7.5.1.3 Batch Neutralization Tanks and Stripping Department

PCE and TCE were detected above the soil ESLs east of the batch neutralization tanks and southeast of the stripping department (B1 and B2). PCE and TCE were detected at concentrations of 35,000 ug/kg and 1,500 ug/kg, respectively in borehole B1 at 0.5 feet bgs. The PCE concentration is also above the industrial PRG; however, PCE and TCE were not detected above the MDLs in soil collected at 5 feet bgs in the same borehole. PCE and TCE were detected at concentrations of 4,100 ug/kg and 2,800 ug/kg, respectively in borehole B2 at 0.5 feet bgs. PCE and TCE were not detected above the soil ESLs in soil collected at 5 feet bgs in the same borehole. PCE was not detected above the MDL in soil collected at boreholes B3, B10, B-20, and B-26, all located within 25 feet of boreholes B1 and B2. The presence of these chlorinated solvents is consistent with former operations at the APC facility.

7.5.2 NAPHTHALENE IN SOIL

Naphthalene was detected above the soil ESL and the California (CA) modified PRG (4,200 ug/kg) in the main facility beneath the floor channel (B-18). Naphthalene was detected at a concentration of 30,000 ug/kg at 7 feet bgs in borehole B-18. Naphthalene was not detected above the soil ESL in soil collected beneath the floor channel in nearby borehole B-19. Naphthalene is a typical component of petroleum middle distillates and crude oil, and probably represents pre-existing oil production facility waste in the fill material.

7.6 VOCS IN GROUNDWATER

Borehole B10 was advanced to 37 feet bgs to collect a groundwater sample for VOC analysis during the 2001/2002 investigation. In 2004, no groundwater samples were collected. Concentrations of naphthalene and VC were detected above the groundwater ESLs. The groundwater screening levels for these compounds at commercial/industrial sites where groundwater is not a current or potential source of drinking water are as follows (RWQCB, 2003):

- Naphthalene – 24 ug/L; and
- VC – 4 ug/L;

Naphthalene and VC were detected at concentrations of 47 ug/L and 69 ug/L, respectively. The CA MCL for VC is 0.5 ug/L. Both of these constituents may have been disposed of in the former

petroleum waste storage tank at the Site, and migrated downwards, impacting the groundwater. Based on the presence of dissolved chlorinated solvents in groundwater samples collected just upgradient and downgradient of the Site, there is a high potential that PCE and its breakdown products may have impacted groundwater beneath the Site from off-Site sources. Naphthalene may have migrated to beneath the Site through soil and groundwater from the nearby former Unocal and/or Dayton Superior facilities.

7.7 METALS IN SOIL

A total of 23 boreholes were sampled for metals analysis: nine boreholes during the 2001/2002 investigation and 14 boreholes during the 2004 investigation. The boreholes were mostly advanced in the southern and southeastern part of the Site in the following areas: the wastewater treatment area, the chemical storage areas, and the main facility maintenance stockroom and lines one, two, four, and five. Several "background" boreholes were advanced during the 2001/2002 investigation in the employee parking area, the adjacent vacant land, and directly south of Ann Street near the administrative offices.

Metals were detected in all 23 soil boreholes and in all 60 soil samples submitted for laboratory analysis (**Table 5**). Concentrations of arsenic were detected above the cancer industrial PRG of 0.25 mg/kg. Concentrations of arsenic, hexavalent chromium, copper, and nickel were detected above the soil ESLs in some of these samples (**Table 5**). The soil ESLs for the metals mentioned previously at residential and industrial sites where groundwater is not a current or potential source of drinking water are as follows (RWQCB, 2003):

- Arsenic – 5.5 mg/kg;
- Copper – 230 mg/kg;
- Nickel – 150 mg/kg; and
- Hexavalent chromium – 1.8 mg/kg.

Arsenic was not detected above the detection limit of 5 mg/kg during the 2001/2002 investigation. During the 2004 investigation, arsenic was detected in all 40 soil samples, with levels generally above 5.5 mg/kg, ranging from 4.6 to 27 mg/kg throughout the Site. However, arsenic occurs naturally in soils throughout southern California and this concentration range is typical of background conditions (Marrett, 1992). Marrett et al. collected 253 background soil samples in agricultural and undeveloped urban sites in the eastern and southern Los Angeles area (Marrett, 1992). Arsenic concentrations in the 253 soil samples ranged from 1 to 61.1 mg/kg (**Table 5**). Marrett et al. also did a study of pristine desert soil samples in southern California and found arsenic concentrations ranged from 2 to 30.6 mg/kg (**Table 5**). In addition,

background soil samples collected at the St. Paul's High School, adjacent to the WDI site (approximately 500 feet southeast of the Site) had arsenic concentrations that ranged from 1.63 to 15.90 mg/kg (**Table 5**). All arsenic detections exceeded the PRG of 0.25 mg/kg. Therefore, due to the widespread detection of arsenic at the Site above the soil ESL and the PRG, and similar background arsenic concentrations from several areas, the arsenic concentrations detected at the Site represent naturally occurring background levels.

Copper was detected in all of the 60 soil samples submitted for laboratory analysis, with a maximum concentration of 270 mg/kg (borehole B-19 at four feet bgs). Two of the 40 soil samples submitted for laboratory analysis contained copper above the soil ESL of 230 mg/kg. The copper soil concentrations are well below the residential and industrial PRGs of 3,100 and 41,000 mg/kg, respectively. Background concentrations of copper according to Merritt et al., ranged from 3.8 to 82 mg/kg in southern California and 8.4 to 258 mg/kg in pristine desert soils (Merritt, 1992 and 1991). Background concentrations of copper collected at the St. Paul's High School ranged from 4.95 to 41.50 mg/kg (Ebasco, 1989). Other than the few elevated soil copper concentrations discussed below, copper concentrations in soil at the Site were generally within background levels.

Nickel was detected in all of the 60 soil samples submitted for laboratory analysis, with a maximum concentration of 460 mg/kg (borehole B-2 at 1-foot bgs). Three of the 40 soil samples submitted for laboratory analysis contained nickel above the soil ESL of 150 mg/kg. The nickel soil concentrations are well below the residential and industrial PRGs of 1,600 and 20,000 mg/kg, respectively. Background concentrations of nickel according to Merritt et al., ranged from 3.5 to 28.2 mg/kg in southern California and 7.2 to 25.1 mg/kg in pristine desert soils (Merritt, 1992 and 1991). Soil samples at the St. Paul's High School were not analyzed for nickel (Ebasco, 1989). Other than the few elevated soil nickel concentrations discussed below, nickel concentrations in soil at the Site were generally within background levels.

The concentrations of copper and nickel in soil above the soil ESLs were encountered beneath the main facility near line one and beneath the floor channel near line five (B-2 and B-19). Copper and nickel were detected near line one at 1-foot bgs in borehole B-2 at concentrations of 260 mg/kg and 460 mg/kg, respectively. At 4 feet bgs in the same borehole, nickel was detected at a concentration of 170 mg/kg and copper was detected at a much lower concentration of 30 mg/kg. At 7 feet bgs in borehole B-2, both copper and nickel were detected at concentrations less than 32 mg/kg. Beneath the floor channel, near line five, copper and nickel were both detected at a concentration of 270 mg/kg at four feet bgs in borehole B-19. At 7 feet bgs in the same borehole, copper and nickel were detected at concentrations less than 30 mg/kg. Elevated

copper was also detected in borehole B8 at a concentration of 130 mg/kg at 0.5 feet bgs, though the concentration is below the soil ESL. Borehole B8 is located near the line one **(Figure 9**). The presence of copper and nickel is consistent with operations at the APC facility.

Soil samples were not analyzed for hexavalent chromium during the 2001/2002 investigation. During the 2004 investigation, hexavalent chromium was detected in two of the 40 soil samples submitted for laboratory analysis, with a maximum concentration of 9.5 mg/kg (B-3 at one-foot bgs). Hexavalent chromium was detected above the soil ESL at 1-foot bgs in one sample beneath the main facility near lines one and two (9.5 mg/kg at B-3). Hexavalent chromium was not detected above the MDL of 0.5 mg/kg in soil samples collected from the same borehole at 4 and 7 feet bgs. The hexavalent chromium detection is below both the industrial and residential PRGs of 64 and 30 mg/kg, respectively. Background levels of hexavalent chromium were not available for the WDI site or from Merritt et al. The hexavalent chromium is consistent with a small anti-corrosion dip used only near line two.

All other soil metal concentrations were similar to background levels measured for the St. Paul's High School or by Marrett et al.

7.8 CYANIDE IN SOIL

A total of 16 boreholes were advanced for cyanide analysis: two boreholes during the 2001/2002 investigation and 14 boreholes during the 2004 investigation. Cyanide was not detected in soil during both investigations.

7.9 PH IN SOIL

A total of 23 boreholes were advanced for pH analysis: 10 boreholes during the 2001/2002 investigation and 13 boreholes during the 2004 investigation. The soil pH values ranged from 4.2 to 11.9. Most of the soil sample pH values ranged from 6.6 to 8.1. Several low and high soil pH values were detected beneath the main facility. A low pH of 4.2 was detected in soil near line one at 1-foot bgs (B-2) and was associated with high copper (260 mg/kg) and nickel (460 ug/kg) values. High pH values of 9.8, 9.9, and 11.9 were detected near lines two through five at 1 and 4 feet bgs (B-5, B-19 and B-3, respectively).

7.10 SVOCS IN SOIL

SVOCs were not detected in soil during the 2001/2002 investigation. Soil samples were not analyzed for SVOCs during the 2004 investigation.

8 CONCLUSIONS

8.1 TPH

Elevated concentrations of TPHg in soil gas were detected beneath the southern part of the main facility (lines one, two, and four) and in the northern part of the Site just east of the building by the driveway. TPHg in soil gas is laterally delineated beneath the facility, as depicted in **Figure 5**. In the northern part of the Site, TPHg is laterally delineated to the east, south, and west, as depicted in **Figure 5**. The TPHg plume extends and unknown distance beyond the northern Site boundary.

TPHe in soil was fairly widespread beneath the Site, with the highest concentrations generally detected along the southern border (**Figure 7**). The hydrocarbons were generally weighted towards the higher carbon number compounds (C_{10} to C_{40}), consistent with diesel and crude oil. TPHe in soil is generally delineated to the north, east, and west (**Figure 12**). TPHe concentrations generally increase near the southern border of the Site, and extend an unknown distance beyond the southern boundary. The petroleum hydrocarbons detected above and below the concrete pad are not consistent with materials used or produced at the APC facility, and probably represent pre-existing oil production facility waste in the fill material or diesel and gasoline fuel that migrated through the soil and/or groundwater from the nearby LRC Coil Company, Unocal, Dayton or Valvoline facilities.

8.2 VOCs

Naphthalene concentrations in soil were generally below the soil ESL and the CA modified industrial PRG. However, naphthalene was detected in soil above the soil ESL and the CA modified industrial PRG in one location beneath the main facility trench (B-18). Naphthalene is a typical component of crude oil and middle distillates, and probably represents pre-existing oil production facility waste in the fill material. In 2001/2002, groundwater sampled east of the stripping department (B10) contained naphthalene above the ESL. The naphthalene is consistent with possible migration through soil and groundwater from the adjacent former Unocal and Dayton Superior facilities or from vertical migration of the pre-existing oil production fill.

In soil gas, PCE, TCE, and cis-1,2-DCE were detected above the soil gas ESLs in the following areas: near the former PCE AST and farther to the north, the facility inspection area, in the

vicinity of the chiller, former vapor degreaser, and southern chemical storage area. VC was detected above the MDL in the areas mentioned previously for PCE.

In soil, PCE was detected above the soil ESLs and the industrial PRG in the following areas: the former vapor degreaser, the central chemical storage area, and the wastewater treatment area near the batch neutralization tanks and the stripping department. PCE was detected below the industrial PRG but above the soil ESL beneath the southern chemical storage area. TCE was detected above the soil screening levels but below the industrial PRG in the areas mentioned previously for PCE. Cis-1,2-DCE was detected above the soil ESL but below the industrial PRG beneath the former vapor degreaser.

Each of the Site areas are discussed below:

Former PCE AST

PCE and TCE were detected above the soil gas ESLs near the former AST and to the north. PCE in soil gas is laterally delineated to the east, south, and west, as depicted on **Figure 6**. VC was detected above the MDL near the former AST and to the north. VC is also laterally delineated to the east, south, and west. PCE and VC are present near the northern boundary of the Site and their extent beyond the Site boundary is unknown. Soil boreholes were not advanced in this area.

Inspection Area of the Facility

PCE was detected above the soil gas ESLs beneath the facility inspection area. VC was detected above the MDL beneath the facility inspection area. PCE (**Figure 6**) and VC are laterally delineated to the north, east, south, and west.

Vicinity of the Chiller

PCE was detected above the soil gas ESLs in the vicinity of the chiller. VC was detected above the MDL in the vicinity of the chiller. PCE (**Figure 6**) and VC are laterally delineated to the north, east, south, and west.

Former Vapor Degreaser

Cis-1,2-DCE was detected above the soil gas ESLs near the former vapor degreaser. Cis-1,2-DCE is laterally delineated to the north, east, south, and west.

PCE, TCE, and cis-1,2-DCE were detected in soil above the soil ESLs near the former vapor degreaser. PCE is laterally delineated as depicted on **Figure 14**. TCE and cis-1,2-DCE are laterally delineated to the north, east, south, and west.

Chemical Storage Areas (Central and Southern)

PCE was detected above the industrial PRG and the soil ESL in shallow soil in the central chemical storage area. PCE is laterally delineated as depicted in **Figure 14** and vertically delineated as depicted on **Figure 13**.

PCE was detected above the soil gas ESL near the southern chemical storage area. VC was detected above the MDL near the southern chemical storage area. PCE (**Figure 6**) and VC are laterally delineated to the north, east, and west. The PCE and VC plumes border extend an unknown distance beyond the southern Site boundary.

PCE and TCE were detected in soil above the soil ESLs, but below the industrial PRGs near the southern chemical storage area. PCE and TCE are vertically delineated and laterally delineated to east, west, and north at 4 to 5 feet bgs. The southern chemical storage area is located along the southern border of the Site; and therefore, the southern extent of PCE and TCE beyond the Site property is unknown.

Batch Neutralization Tanks and Stripping Department

PCE and TCE were detected above the soil ESLs in shallow soil (0.5 feet bgs) east of the batch neutralization tanks and southeast of the stripping department. PCE and TCE are laterally delineated to the north, east, and west, as depicted on **Figures 13 and 14**. This area is located along the southern border of the Site; therefore, the southern extent of PCE and TCE beyond the Site property is unknown. PCE and TCE concentrations significantly decrease with depth, and decrease to less than the MDL in one borehole in the area.

In 2001/2002, groundwater was sampled east of the stripping department and contained VC above the groundwater ESL. VC may have leached to the groundwater from on-Site or off-Site sources. Dissolved chlorinated solvents in groundwater samples collected just upgradient from the Site associated with the Omega chemical facility may have impacted groundwater underneath the Site.

8.3 METALS

Arsenic concentrations in soil ranged from 4.6 to 27 mg/kg. Many of the concentrations exceeded the soil ESL and all concentrations exceeded the cancer industrial PRG; however, arsenic occurs naturally in soils throughout southern California and the concentrations detected are typical of background concentrations.

Copper and nickel concentrations in soil at the Site were generally below the residential PRGs (3,100 and 1,600 mg/kg, respectively) and the soil ESLs (230 and 150 mg/kg, respectively). However, copper and nickel were detected above the soil ESLs in two locations in B-2 and B-19 near lines one and five in the main facility. The elevated copper and nickel concentrations in borehole B-2 are delineated laterally by background concentrations in boreholes B-5, B-18, B-3, and B5 (**Figures 9 and 10**). The elevated copper and nickel concentrations at borehole B-19 are delineated laterally by background soil concentrations in boreholes B-18, B-3, B-10, and B-6 (**Figures 9 and 10**). The copper and nickel concentrations are delineated vertically by background concentrations in boreholes B-2 and B-19 at a depth of 7 feet bgs. Since the concentrations decrease to background levels by 7 feet, the metals do not represent a threat to groundwater.

Hexavalent chromium was generally not detected in soil beneath the Site. However, near line two beneath the main facility (B-3), hexavalent chromium was detected at 1-foot bgs at a concentration of 9.5 mg/kg, which is below the residential PRG (30 mg/kg) but above the soil ESL (1.8 mg/kg). Hexavalent chromium decreased with depth in B-3 to below the MDL of 0.5 mg/kg at 4 and 7 feet bgs. Therefore, hexavalent chromium is delineated both laterally and vertically beneath the Site, and does not represent a threat to groundwater

All other soil concentrations were similar to background levels measured at the St. Paul's High School or by Marrett et al (**Table 5**).

8.4 CYANIDE AND SVOCS

Cyanide and SVOCs were not detected in soil samples beneath the Site.

9 RECOMMENDATIONS

The fine-grained lithology beneath the Site appears to significantly limit the vertical migration of contaminants. VOCs that were detected in soil within the first foot were generally not detected by 5 or 7 feet bgs or at least reduced by an order of magnitude. As a result, soil gas concentrations at 5 feet were generally low. One exception to this was in the northern part of the Site, to the east of the facility building where TPH and PCE were detected above the soil gas ESLs. Additional soil boreholes are recommended in this area to determine the vertical and lateral extent of these contaminants. The additional boreholes could be advanced during the OU-2 investigation. As outlined in the approved *Workplan for Facility Investigation*, a workplan for OU-2 will be submitted after the investigation of OU-1 is complete.

10 LIMITATIONS

This report has been prepared for the exclusive use of Associated Plating Company (APC) as it pertains to the subsurface investigation performed at the APC metal plating facility in the City of Santa Fe Springs, California. Our services were performed using that degree of care and skill ordinarily exercised under similar circumstances by reputable qualified environmental consultants practicing in this or similar locations. No other warranty, either expressed or implied, is made as to the professional advice included in this report. These services were performed consistent with our agreement with our client.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

With regard to geologic/hydrogeologic/contaminant conditions, our professional opinions are based in part on interpretation of data from discrete sampling locations. It should be noted that actual conditions at unsampled locations may differ from those interpreted from sampled locations.

Respectfully Submitted,

KOMEX

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TABLES

TABLE 1
TPH Soil Gas Results
APC

Chemical Name	Soil	Location	B-1	B-2	B-3	B-4	B-5	B-6	B-6	B-6 (dup)	B-7	B-8	B-9	B-10	B-11	B-12	B-13	B-14	B-15	B-16	B-17	B-21	B-23
	Gas	Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	ESL	Sample ID	SV-B1-5	SV-B2-5	SV-B3-5	SV-B4-5	SV-B6-5	SV-B6-5	SV-B6-5	SV-B6-5 dup	SV-B7-5	SV-B8-5	SV-B9-5	SV-B10-5	SV-B11-5	SV-B12-5	SV-B13-5	SV-B14-5	SV-B15-5	SV-B16-5	SV-B17-5	SV-B21-5	SV-B23-5
	(ug/L)	Units / Date	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/13/04	09/13/04
Gasoline (C5-C11)	**29**	µg/L	**710**	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	**580**	<500	<500	<500	<500	<500	<500	<500	<500	<500

Chemical Name	Soil	Location	B-28	B-29	B-30	B-31	B-32	B-33	B-34	B-35	B-36	B-36 (dup)	B-37	B-38	B-39	B-40	B-41	B-42	B-43	B-43 (dup)	B-44	B-45	B-46
	Gas	Depth (ft bgs)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	5
	ESL	Sample ID	SV-B28-5	SV-B29-5	SV-B30-5	SV-B31-5	SV-B32-5	SV-B33-5	SV-B34-5	SV-B35-5	SV-B36-5	SV-B36-5 dup	SV-B37-5	SV-B38-5	SV-B39-5	SV-B40-5	SV-B41-5	SV-B42-5	SV-B43-5	SV-B43-5 dup	SV-B44-4	SV-B45-4	SV-B46-5
	(ug/L)	Units / Date	09/09/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04
Gasoline (C5-C11)	**29**	µg/L	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	**16,000**	**560**	<500	<500	<500	<500	<500	<500	<500

Notes:
1- Soil Gas ESL = Commercial/Industrial shallow soil gas screening level according to the California Regional Water Quality Control Board
2- ft bgs = feet below ground surface
3- µg/L = micrograms per liter
4- < 500 = compound not detected above the laboratory specified detection limits
5- (dup) = duplicate sample

TABLE 2
VOC Soil Gas Results
APC

Chemical Name	Soil	Location		B-1	B-2	B-3	B-4	B-5	B-6	B-6	B-6 (dup)	B-7	B-8	B-9	B-10	B-11	B-12	B-13	B-14	B-15	B-16	B-17	B-21	B-23
	Gas	Depth (ft bgs)		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	ESL	Sample ID		SV-B1-5	SV-B2-5	SV-B3-5	SV-B4-5	SV-B6-5	SV-B6-5	SV-B6-5	SV-B6-5 dup	SV-B7-5	SV-B8-5	SV-B9-5	SV-B10-5	SV-B11-5	SV-B12-5	SV-B13-5	SV-B14-5	SV-B15-5	SV-B16-5	SV-B17-5	SV-B21-5	SV-B23-5
	(ug/L)	Units	Date	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/09/04	09/13/04	09/13/04
1 1 1 2-Tetrachloroethane	**1.1**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
1 1 1-Trichloroethane	**130**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
1 1 2 2-Tetrachloroethane	**0.14**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
1 1 2-Trichloroethane	**0.51**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
1 1-Dichloroethane	**5.1**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	**3.2**	<1 0	<1.0
1 1-Dichloroethene	**120**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
1 2-Dichloroethane	**0.39**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
Benzene	**0.28**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
Carbon tetrachloride	**0.19**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
Chloroethane	**9.9**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
Chloroform	**1.5**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
cis-1 2-Dichloroethene (cis 1 2-DCE)	**20**	µg/L		**210**	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	**13**	<1 0	<1.0
Dichlorodifluoromethane	**NA**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
Ethylbenzene	**7.4**	µg/L		<1 0	<1.0	<1 0	**1.9**	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	**1.9**	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
Freon 113	**NA**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
m p-Xylene	**NA**	µg/L		<1 0	<1.0	<1 0	**5.1**	<2 0	<2.0	<2 0	<2.0	<1.0	<1.0	<2.0	<2 0	<2.0	<2 0	<2.0	<2 0	<2.0	<2 0	<2.0	<2 0	<2.0
o-Xylene	**NA**	µg/L		<1 0	<1.0	<1 0	**1.3**	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
Total xylenes	**58**	µg/L		<1 0	<1.0	<1 0	**6.4**	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
Methylene chloride	**8.2**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<2.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
Tetrachloroethene (PCE)	**1.4**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	**5.3**	<1.0	**2.1**	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	**26**	**14**	<1.0
Toluene	**230**	µg/L		**1.1**	**1.0**	<1 0	**1.1**	**1.1**	**1.5**	**1.6**	**1.4**	**1.4**	**1.5**	**2.3**	<1 0	<1.0	<1 0	**1.8**	**1.9**	**1.4**	**1.2**	**1.5**	<1 0	<1.0
trans-1 2-Dichloroethene	**41**	µg/L		**16**	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	**13**	<1 0	<1.0
Trichloroethene (TCE)	**4.1**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
Trichlorofluoromethane	**NA**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1.0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0
Vinyl chloride (VC)	**0.1**	µg/L		<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	**2.2**	<1.0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	**210**	<1 0	<1.0
1 1-Difluoroethane*	**NA**	µg/L		<10	<10	<10	<10	<10	**49**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

Notes:
1- Soil Gas ESL = Commercial/Industrial shallow soil gas screening level according to the California Regional Water Quality Control Board
2- ft bgs = feet below ground surface
3- µg/L = micrograms per liter
4- < 1.0 = compound not detected above the laboratory specified detection limits
5- (dup) = duplicate sample
6- NA = not available
7- 1 1-Difluoroethane* was used as a tracer for the leak test

TABLE 2
VOC Soil Gas Results
APC

Chemical Name	Soil	Location		B-28	B-29	B-30	B-31	B-32	B-33	B-34	B-35	B-36	B-36 (dup)	B-37	B-38	B-39	B-40	B-41	B-42	B-43	B-43 (dup)	B-44	B-45	B-46
	Gas	Depth (ft bgs)		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	ESL	Sample ID		SV-B28-5	SV-B29-5	SV-B30-5	SV-B31-5	SV-B32-5	SV-B33-5	SV-B34-5	SV-B35-5	SV-B36-5	SV-B36-5 dup	SV-B37-5	SV-B38-5	SV-B39-5	SV-B40-5	SV-B41-5	SV-B42-5	SV-B43-5	SV-B43-5 dup	SV-B44-4	SV-B45-4	SV-B46-5
	(ug/L)	Units	Date	09/09/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04	09/13/04
1 1 1 2-Tetrachloroethane	**1.1**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
1 1 1-Trichloroethane	**130**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
1 1 2 2-Tetrachloroethane	**0.14**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
1 1 2-Trichloroethane	**0.51**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
1 1-Dichloroethane	**5.1**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
1 1-Dichloroethene	**120**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
1 2-Dichloroethane	**0.39**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
Benzene	**0.28**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
Carbon tetrachloride	**0.19**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
Chloroethane	**9.9**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
Chloroform	**1.5**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
cis-1 2-Dichloroethene (cis 1 2-DCE)	**20**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	**2.4**	<1.0	<10	**3.9**	**3.4**	**1.7**	<1 0	<1 0	<1.0	<1.0	<1 0
Dichlorodifluoromethane	**NA**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
Ethylbenzene	**7.4**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	**1.7**
Freon 113	**NA**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
m p-Xylene	**NA**	µg/L		<2.0	<2 0	<2.0	<2 0	<1.0	<2 0	<2.0	<2 0	<2.0	<2.0	<2 0	<2.0	<10	<2.0	<2 0	<2.0	<2 0	<2 0	<1.0	<2.0	<2 0
o-Xylene	**NA**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
Total xylenes	**58**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
Methylene chloride	**8.2**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
Tetrachloroethene (PCE)	**1.4**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	**9.1**	**1.1**	<1 0	<1.0	<1.0	**98**	**110**	<10	<1.0	<1 0	<1.0	<1 0	**1.0**	<1.0	<1.0	<1 0
Toluene	**230**	µg/L		**1.5**	**1.2**	<1.0	<1 0	<1.0	<1 0	**1.2**	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	**1.2**	<1 0	<1 0	<1.0	<1.0	**1.3**
trans-1 2-Dichloroethene	**41**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	**3.5**	<1.0	<10	**1.4**	**1.6**	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
Trichloroethene (TCE)	**4.1**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	**54**	**20**	<10	**1.8**	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
Trichlorofluoromethane	**NA**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<10	<1.0	<1 0	<1.0	<1 0	<1 0	<1.0	<1.0	<1 0
Vinyl chloride (VC)	**0.1**	µg/L		<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	**49**	**2.6**	<1 0	**38**	<1 0	<1 0	<1.0	<1.0	**46**
1 1-Difluoroethane*	**NA**	µg/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

Notes:
1- Soil Gas ESL = Commercial/Industrial shallow soil gas screening level according to the California Regional Water Quality Control Board
2- ft bgs = feet below ground surface
3- µg/L = micrograms per liter
4- < 1 0 = compound not detected above the laboratory specified detection limits
5- (dup) = duplicate sample
6- NA = not available
7- 1 1-Difluoroethane* was used as a tracer for the leak test

Chemical Name	Soil	Location		B-18	B-18	B-19	B-19	B-20	B-20	B-20	B-22	B-22	B-22	B-23	B-23	B-23
	ESL	Sample ID		B-18-90704-1-4	B-18-90704-2-7	B-19-90704-1-4	B-19-90704-2-7	B-20-90804-1-1	B-20-90804-2-4	B-20-90804-3-7	B-22-90804-1-1	B-22-90804-2-4	B-22-90804-3-7	B-23-90804-1-1	B-23-90804-2-4	B-23-90804-3-7
	(mg/kg)	Borehole Depth (ft bgs)		4	7	4	7	1	4	7	1	4	7	1	4	7
	Middle distillates/residual fuels	Units	Date	9/7/2004	9/7/2004	9/7/2004	9/7/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004
HC<C8	-	mg/kg		<1.0	<1.0	<1.0	**1.2**	<1.0	**14**	<5.0	<1.0	<10	<10	<1.0	**27**	<1.0
HC C8-C9	-	mg/kg		<1.0	<1.0	<1.0	**6**	<1.0	**61**	**8.5**	<1.0	<10	<10	<1.0	**120**	<1.0
HC C9-C10	-	mg/kg		<1.0	**1.3**	<1.0	**7.6**	<1.0	**88**	**15**	<1.0	<10	<10	<1.0	**210**	<1.0
HC C10-C11	-	mg/kg		<1.0	**1.4**	<1.0	**7.7**	<1.0	**96**	**20**	<1.0	<10	**19**	<1.0	**270**	<1.0
HC C11-C12	-	mg/kg		<1.0	<1.0	<1.0	**7.7**	<1.0	**94**	**22**	<1.0	<10	**21**	<1.0	**260**	<1.0
HC C12-C14	-	mg/kg		<1.0	**2.5**	**3.5**	**30**	<1.0	**370**	**84**	<1.0	**92**	**94**	<1.0	**910**	<1.0
HC C14-C16	-	mg/kg		<1.0	**1.7**	**4.9**	**28**	<1.0	**330**	**78**	<1.0	**170**	**86**	<1.0	**840**	<1.0
HC C16-C18	-	mg/kg		**1.6**	**1.9**	**6.5**	**29**	<1.0	**280**	**90**	<1.0	**270**	**86**	<1.0	**750**	<1.0
HC C18-C20	-	mg/kg		**3.9**	**1.9**	**3.8**	**14**	<1.0	**170**	**96**	<1.0	**220**	**48**	<1.0	**490**	<1.0
HC C20-C24	-	mg/kg		**22**	**9.1**	**24**	**44**	<1.0	**460**	**230**	**3.7**	**760**	**190**	**2.7**	**1100**	<1.0
HC C24-C28	-	mg/kg		**40**	**11**	**27**	**37**	<1.0	**360**	**210**	**7.2**	**780**	**200**	**6.3**	**770**	<1.0
HC C28-C32	-	mg/kg		**37**	<1.0	**25**	**31**	<1.0	**290**	**150**	<1.0	**690**	**55**	**2.6**	**600**	<1.0
HC >C32	-	mg/kg		<1.0	<1.0	<1.0	**1.7**	<1.0	**18**	**8**	<1.0	**25**	<10	<1.0	**38**	<1.0
HC Extractable Hydrocarbons C7-C36	**500/1000**	mg/kg		**105**	**31**	**95**	**245**	<5.0	**2631**	**1012**	**11**	**3007**	**799**	**12**	**6385**	<5.0

Notes:
1- TPHe = total petroleum hydrocarbons - extractable
2- ft bgs = feet below ground surface
3- Soil ESL = Commercial/Industrial shallow soil screening level according to the California Regional Water Quality Control Board
4- mg/kg = milligrams per kilogram
5- < 1 0 = compound not detected above the laboratory specified detection limits
6- HC = petroleum hydrocarbon

Chemical Name	Soil	Location		B-24	B-24	B-24	B-25	B-25	B-25	B-26	B-26	B-26	B-27	B-27	B-27
	ESL	Sample ID		B-24-90804-1-1	B-24-90804-2-4	B-24-90804-3-7	B-25-90804-1-1	B-25-90804-2-4	B-25-90804-3-7	B-26-90804-1-1	B-26-90804-2-4	B-26-90804-3-7	B-27-90804-1-1	B-27-90804-2-4	B-27-90804-3-7
	(mg/kg)	Borehole Depth (ft bgs)		1	4	7	1	4	7	1	4	7	1	4	7
	Middle distillates/residual fuels	Units	Date	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004
HC<C8	-	mg/kg		**11**	**21**	<1.0	**23**	<1.0	**8**	<5.0	<10	<5.0	<5.0	<1.0	<1.0
HC C8-C9	-	mg/kg		<5.0	**81**	<1.0	**71**	**1.2**	**34**	<5.0	**18**	**30**	<5.0	**2**	**1.4**
HC C9-C10	-	mg/kg		**40**	**130**	<1.0	**120**	**1.8**	**64**	<5.0	**28**	**58**	<5.0	**2.7**	**4.4**
HC C10-C11	-	mg/kg		**140**	**170**	<1.0	**190**	**2**	**82**	<5.0	**43**	**73**	<5.0	**3.3**	**7.3**
HC C11-C12	-	mg/kg		**120**	**150**	<1.0	**140**	**2.5**	**75**	<5.0	**37**	**87**	<5.0	**3.6**	**7.1**
HC C12-C14	-	mg/kg		**140**	**680**	<1.0	**570**	**9.6**	**300**	<5.0	**160**	**290**	**83**	**13**	**28**
HC C14-C16	-	mg/kg		**40**	**720**	<1.0	**490**	**5.4**	**310**	**8**	**150**	**250**	**210**	**12**	**30**
HC C16-C18	-	mg/kg		<5.0	**660**	<1.0	**490**	**5.3**	**230**	**35**	**110**	**250**	**240**	**13**	**23**
HC C18-C20	-	mg/kg		<5.0	**460**	<1.0	**300**	**2.5**	**270**	**32**	**69**	**240**	**130**	**7.2**	**14**
HC C20-C24	-	mg/kg		**140**	**1100**	<1.0	**660**	**9.6**	**520**	**150**	**230**	**450**	**700**	**19**	**42**
HC C24-C28	-	mg/kg		**200**	**790**	<1.0	**470**	**9.2**	**460**	**200**	**190**	**370**	**600**	**14**	**36**
HC C28-C32	-	mg/kg		**180**	**640**	<1.0	**340**	<1.0	**340**	**140**	**58**	**290**	**510**	**3.9**	**23**
HC >C32	-	mg/kg		**8.5**	**37**	<1.0	**23**	<1.0	<5.0	<5.0	<10	**9**	**34**	<1.0	<1.0
HC Extractable Hydrocarbons C7-C36	**500/1000**	mg/kg		**1020**	**5639**	<5.0	**3887**	**49**	**2693**	**565**	**1093**	**2397**	**2507**	**94**	**216**

Notes:
1- TPHe = total petroleum hydrocarbons - extractable
2- ft bgs = feet below ground surface
3- Soil ESL = Commercial/Industrial shallow soil screening level according to the California Regional Water Quality Control Board
4- mg/kg = milligrams per kilogram
5- < 1.0 = compound not detected above the laboratory specified detection limits
6- HC = petroleum hydrocarbon

TABLE 4
VOC SOIL RESULTS
APC

Chemical Name	Soil ESL (ug/kg)	Preliminary Remediation Goal (ug/kg)	Location Sample ID Depth (ft bgs) Units Date	B-18 B-18-90704-1-4 4 9/7/2004	B-18 B-18-90704-2-7 7 9/7/2004	B-19 B-19-90704-1-4 4 9/7/2004	B-19 B-19-90704-2-7 7 9/7/2004	B-20 B-20-90804-1-1 1 9/8/2004	B-20 B-20-90804-2-4 4 9/8/2004	B-20 B-20-90804-3-7 7 9/8/2004	B-22 B-22-90804-1-1 1 9/8/2004	B-22 B-22-90804-2-4 4 9/8/2004	B-22 B-22-90804-3-7 7 9/8/2004	B-23 B-23-90804-1-1 1 9/8/2004	B-23 B-23-90804-2-4 4 9/8/2004	B-23 B-23-90804-3-7 7 9/8/2004
1 1 1 2-Tetrachloroethane	**7 200**	**7 300**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 1 1-Tr chloroethane	**7 800**	**1 200 000**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 1 2 2-Tetrachloroethane	**25**	**930**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 1 2-Tr chloroethane	**91**	**1 600**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 1-Dichloroethane	**910**	**6 000**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	**4.9**	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 1-Dichloroethene	**4 300**	**410 000**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 1-Dichloropropylene	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 2 3-Tr chlorobenzene	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 2 3-Trichloropropane	**NA**	**76**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 2 4-Tr chlorobenzene	**7 600**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 2 4-Trimethy benzene	**NA**	**NA**	µg/kg	<8.3	**6 700**	**27**	**18**	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 2-Dibromo-3-Chloropropane (DBCP)	**1.1**	**76**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 2-Dibromoethane	**21**	**73**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 2-Dichlorobenzene	**1 600**	**600 000**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 2-Dichloroethane	**69**	**600**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 2-Dichloropropane	**150**	**740**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 3 5-Trimethy benzene	**NA**	**70 000**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 3-Dichloropropane	**91**	**360 000**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
1 4-Dichlorobenzene	**130**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
2 2-Dichloropropane	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
2-Chlorotoluene	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
2-Phenylbutane	**NA**	**NA**	µg/kg	<8.3	**3 700**	**4.6**	<4.0	<3.7	**29**	**6.4**	<3.9	<4.1	<5.0	<4.1	**22**	**20**
4-Chlorotoluene	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Benzene	**380**	**1 400**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Bromobenzene	**NA**	**92 000**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Bromodichloromethane	**39**	**1 800**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Bromomethane	**510**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Butylbenzene n-	**NA**	**240 000**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Carbon Tetrachloride	**35**	**550**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
CFC-11	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
CFC-12	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Chlorobenzene	**1 500**	**530 000**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Chlorobromomethane	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Chlorod bromomethane	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Chloroethane	**850**	**6 500**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Chloroform	**270**	**2 000**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Chloromethane	**810**	**160 000**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Cis-1 2-Dichloroethene (cis 1 2-DCE)	**3 600**	**150 000**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	**13**	<4.4	**210**	**800**	**240**	**24**	**42**	**9.3**
Cis-1 3-D chloropropene	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Cymene	**NA**	**NA**	µg/kg	<8.3	**2 400**	**5.2**	<4.0	<3.7	**7.4**	<4.4	<3.9	<4.1	<5.0	<4.1	**8.2**	**4.1**
Dibromomethane	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Dichloromethane	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Di sopropyl Ether	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Ethylbenzene	**13 000**	**400 000**	µg/kg	<8.3	**7 900**	**13**	**6.7**	<3.7	**200**	<4.4	<3.9	<4.1	<5.0	<4.1	**43**	<4.0
Ethyl-tert-Butyl Ether	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Hexachloro-1 3-Butadiene	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Isopropylbenzene	**NA**	**520 000**	µg/kg	<8.3	**5 100**	**7.0**	**5.5**	<3.7	**87**	**15**	<3.9	<4.1	<5.0	<4.1	**26**	**58**
M-Dichlorobenzene	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Methyl-tert-Butyl Ether	**5 600**	**36 000**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Naphthalene	**4 800**	**4 200/190 000***	µg/kg	<8.3	**30 000**	**69**	**37**	<3.7	**350**	**100**	<3.9	<4.1	**110**	<4.1	**150**	**240**
O-Xylene	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Xylene P- M-	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Propylbenzene n-	**NA**	**NA**	µg/kg	<8.3	**8 100**	**8.7**	<4.0	<3.7	**100**	**20**	<3.9	<4.1	<5.0	<4.1	**26**	**66**
Styrene (Monomer)	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Tert-Amyl-Methyl Ether	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Tert-Butyl Alchohol	**NA**	**NA**	µg/kg	<41	<2900	<20	<20	<18	<19	<22	<19	<20	<25	<21	<20	<20
Tert-Butylbenzene	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Tetrachloroethene (PCE)	**250**	**1 300**	µg/kg	**140**	<570	**71**	<4.0	<3.7	<3.8	<4.4	**1 900**	**110**	<5.0	<4.1	<4.0	<4.0
Toluene	**9 300**	**520 000**	µg/kg	<8.3	<570	**5.6**	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Trans-1 2-Dichloroethene	**7 300**	**230 000**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	**5.8**	<4.4	**74**	**400**	**220**	**5.5**	**16**	<4.0
Trans-1 3-Dichloropropene	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Tr bromomethane	**NA**	**NA**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0
Tr chloroethene (TCE)	**730**	**6 500**	µg/kg	**70**	<570	**8.7**	<4.0	<3.7	**6.7**	<4.4	**210**	**290**	<5.0	<4.1	<4.0	<4.0
Vinyl Chloride (VC)	**19**	**750**	µg/kg	<8.3	<570	<3.9	<4.0	<3.7	<3.8	<4.4	<3.9	<4.1	<5.0	<4.1	<4.0	<4.0

Notes

1- Soil ESL Commercial/Industrial shallow so l screen ng level according to the California Regional Water Quality Control Board

2- Prel minary Remediat on Goal (PRG) Industrial prel minary remediation goal accord ng to CA EPA

3- µg/kg m crograms per k logram

4- < 1.0 compound not detected above the laboratory specified detection limits

5- VOC volatile organic compound

6- ft bgs feet below ground surface

7-4 200/190 000** cancer PRG/noncancer PRG

100388_1.XLS

TABLE 4
VOC SOIL RESULTS
APC

Chemical Name	Environmental Soil Screening Level (ug/kg)	Preliminary Remediation Goal (ug/kg)	Location Sample ID / Depth (ft bgs) / Units / Date	B-24 B-24-90804-1-1 1 µg/kg 9/8/2004	B-24 B-24-90804-2-4 4 µg/kg 9/8/2004	B-24 B-24-90804-3-7 7 µg/kg 9/8/2004	B-25 B-25-90804-1-1 1 µg/kg 9/8/2004	B-25 B-25-90804-2-4 4 µg/kg 9/8/2004	B-25 B-25-90804-3-7 7 µg/kg 9/8/2004	B-26 B-26-90804-1-1 1 µg/kg 9/8/2004	B-26 B-26-90804-2-4 4 µg/kg 9/8/2004	B-26 B-26-90804-3-7 7 µg/kg 9/8/2004	B-27 B-27-90804-1-1 1 µg/kg 9/8/2004	B-27 B-27-90804-2-4 4 µg/kg 9/8/2004	B-27 B-27-90804-3-7 7 µg/kg 9/8/2004
1 1 1 2-Tetrachloroethane	**7 200**	**7 300**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 1 1-Tr chloroethane	**7 800**	**1 200 000**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 1 2 2-Tetrachloroethane	**25**	**930**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 1 2-Tr chloroethane	**91**	**1 600**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 1-Dichloroethane	**910**	**6 000**	µg/kg	**5.0**	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 1-Dichloroethylene	**4 300**	**410 000**	µg/kg	**6.7**	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 1-Dichloropropylene	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 2 3-Tr chlorobenzene	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 2 3-Trichloropropane	**NA**	**76**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 2 4-Tr chlorobenzene	**7 600**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 2 4-Tr methy benzene	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 2-Dibromo-3-Chloropropane (DBCP)	**1.1**	**76**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 2-Dibromoethane	**21**	**73**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 2-Dichlorobenzene	**1 600**	**600 000**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 2-Dichloroethane	**69**	**600**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 2-Dichloropropane	**150**	**740**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 3 5-Tr methy benzene	**NA**	**70 000**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 3-Dichloropropane	**91**	**360 000**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
1 4-Dichlorobenzene	**130**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
2 2-Dichloropropane	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
2-Chlorotoluene	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
2-Phenylbutane	**NA**	**NA**	µg/kg	<3.8	**4.4**	<6.0	<4.0	**14**	**6.0**	<4.0	<4.1	**9.0**	<4.3	<3.9	**4.2**
4-Chlorotoluene	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Benzene	**380**	**1 400**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Bromobenzene	**NA**	**92 000**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Bromodichloromethane	**39**	**1 800**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Bromomethane	**510**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Butylbenzene n-	**NA**	**240 000**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Carbon Tetrachloride	**35**	**550**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
CFC-11	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
CFC-12	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Chlorobenzene	**1 500**	**530 000**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Chlorobromomethane	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Chlorod bromomethane	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Chloroethane	**850**	**6 500**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Chloroform	**270**	**2 000**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Chloromethane	**810**	**160 000**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Cis-1 2-D chloroethene	**3 600**	**150 000**	µg/kg	**3 100**	**5 500**	**400**	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	**65**	**430**	**11**
Cis-1 3-Dichloropropene	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Cymene	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Dibromomethane	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Dichloromethane	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Di sopropyl Ether	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Ethylbenzene	**13 000**	**400 000**	µg/kg	<3.8	**11**	**7.4**	<4.0	<5.0	<4.2	<4.0	**4.4**	<4.1	<4.3	<3.9	<4.1
Ethyl-tert-Butyl Ether	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Hexachloro-1 3-Butadiene	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Isopropy benzene	**NA**	**520 000**	µg/kg	<3.8	**5.0**	<6.0	<4.0	**36**	**9.2**	<4.0	**5.7**	**31**	<4.3	<3.9	**11**
M-Dichlorobenzene	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Methyl-tert-Butyl Ether	**5 600**	**36 000**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	**5.2**	**5.1**
Naphthalene	**4 800**	**4 200/190 000***	µg/kg	**7.2**	<4.3	**17**	<4.0	**180**	<4.2	<4.0	**26**	**120**	<4.3	**7.9**	**70**
O-Xylene	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Xylene P- M-	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Propylbenzene n-	**NA**	**NA**	µg/kg	<3.8	**6.2**	<6.0	<4.0	**44**	**7.8**	<4.0	**6.4**	**35**	<4.3	<3.9	**14**
Styrene (Monomer)	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Tert-Amyl-Methyl Ether	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Tert-Butyl Alchohol	**NA**	**NA**	µg/kg	<19	<22	**41**	<20	<25	<21	<20	<20	<20	<22	<20	<21
Tert-Butylbenzene	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Tetrachloroethene	**250**	**1 300**	µg/kg	**1 900**	<4.3	**150**	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Toluene	**9 300**	**520 000**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Trans-1 2-Dichloroethene	**7 300**	**230 000**	µg/kg	**380**	**240**	**150**	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	**67**	<4.1
Trans-1 3-Dichloropropene	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Tribromomethane	**NA**	**NA**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1
Tr chloroethene	**730**	**6 500**	µg/kg	**1 900**	**11**	**32**	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	**13**	<3.9	<4.1
V nyl Chloride	**19**	**750**	µg/kg	<3.8	<4.3	<6.0	<4.0	<5.0	<4.2	<4.0	<4.1	<4.1	<4.3	<3.9	<4.1

Notes

1- Soil ESL Commercial/Industrial shallow so l screening level according to the California Regional Water Quality Control Board

2- Preliminary Remediat on Goal (PRG) Industrial prel minary remed ation goal accord ng to CA EPA

3- µg/kg micrograms per kilogram

4- < 1.0 compound not detected above the laboratory specified detection limits

5- VOC volat le organic compound

6- ft bgs feet below ground surface

7-4 200/190 000** cancer PRG/noncancer PRG

100388_1.XLS

TABLE 5
Metal, Cyanide, Chloride, and PH Soil Results
APC

Chemical Name	Soil ESL	PRG	Marrett et al. Southern California Background Soil Results		Marrett et al. Pristine Desert Background Soil Results		WDI (St. Paul's High School) Background Soil Results		Location		B-2	B-2	B-2	B-3	B-3	B-3	B-5	B-5	B-5	B-6	B-6	B-6	B-10	B-10
									Sample ID		B-2-90804-1-1	B-2-90804-2-4	B-2-90804-3-7	B-3-90804-1-1	B-3-90804-2-4	B-3-90804-3-7	B-5-90804-1-1	B-5-90804-2-4	B-5-90804-3-7	B-6-90804-1-1	B-6-90804-2-4	B-6-90804-3-7	B-10-90804-1-1	B-10-90804-2-4
			Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Depth (ft bgs)		1	4	7	1	4	7	1	4	7	1	4	7	1	4
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Units	Date	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004
pH	-	-	NA	NA	NA	NA	NA	NA			4.20	6.80	7.20	11.9	NA	NA	9.80	7.70	7.40	7.20	7.50	7.50	NA	NA
Antimony	40	410	0.12	1.9	NA	NA	NA	NA	mg/kg		<1.0	<1 0	<1.0	<0.90	<1 0	<1.0	<1.0	<0.90	<1.0	<1 0	<1.0	<1.0	<1 0	<0.91
Arsenic	5.5	0.25	1	61.1	2	30.6	1.63	15.90	mg/kg		4.6	6.8	11	5.2	7.7	19	6.0	6.8	27	8.6	9.1	11	11	13
Barium	1,500	67,000	23	670	288	911	NA	NA	mg/kg		44	170	160	110	200	160	100	160	180	190	170	170	93	180
Beryllium	8	1,900	0.1	2.2	NA	NA	NA	NA	mg/kg		<1.0	<1 0	<1.0	<0.90	<1 0	<1.0	<1.0	<0.90	<1.0	<1 0	<1.0	<1.0	<1 0	<0.91
Cadmium	7.4	450	0.05	3.59	0.04	0.42	0.26	0.36	mg/kg		<1.0	<1 0	<1.0	4.4	<1 0	<1.0	<1.0	<0.90	<1.0	<1 0	<1.0	<1.0	<1 0	<0.91
Chloride	-	-	NA	NA	NA	NA	NA	NA	mg/kg		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,800	NA	NA	NA
Total Chromium	58	450	5.8	35.2	8	113	5.90	51.20	mg/kg		14	35	32	33	32	32	17	29	31	34	31	31	20	35
Hexavalent Chromium	1.8	64	NA	NA	NA	NA	NA	NA	mg/kg		<0 50	<0.50	<0.50	9.5	<0.50	<0 50	<0 50	<0 50	<0.50	<0.50	<0.50	<0 50	<0.50	<0 50
Cobalt	80	1,900	1.6	23.9	1.9	16.9	NA	NA	mg/kg		6.3	15	13	5.7	13	12	32	12	12	13	13	13	5.3	14
Copper	230	41,000	3.8	82	8.4	258	4.95	41.50	mg/kg		260	30	31	69	28	29	25	28	33	30	30	28	38	31
Cyanide	500	12,000	NA	NA	NA	NA	NA	NA	mg/kg		<2 50	<2.50	<2.50	<2 50	<2.50	<2 50	<2 50	<2 50	<2.50	<2.50	<2.50	<2 50	<2.50	<2 50
Lead	750	800	2.5	246	9.8	54.5	1.70	10.00	mg/kg		3.9	7.6	7.8	5.5	8.1	9.7	11	9.8	7.7	9.9	7.4	6.7	5.9	7.3
Mercury	10	3,100	0.1	2.7	NA	NA	0.02	0.19	mg/kg		<0.18	<0.18	<0.15	<0.16	<0.16	<0.16	<0.15	<0.18	<0.18	<0.15	<0.18	<0.16	<0.18	<0.16
Molybdenum	40	5,100	0.15	2.8	NA	NA	NA	NA	mg/kg		<1.5	<1 5	<1.5	<1.4	<1 5	<1.5	<1.5	<1.4	<1.5	<1 5	<1.5	<1.5	<1 5	<1.4
Nickel	150	2,000	3.5	28.2	7.2	25.1	NA	NA	mg/kg		460	170	26	26	24	23	21	22	27	26	24	24	30	27
Selenium	10	5,100	NA	NA	NA	NA	0.20	0.28	mg/kg		<1.5	<1 5	<1.5	<1.4	<1 5	<1.5	<1.5	<1.4	<1.5	<1 5	<1.5	<1.5	<1 5	<1.4
Silver	40	5,100	0.07	6.2	NA	NA	NA	NA	mg/kg		<1.0	<1 0	<1.0	<0.90	<1 0	<1.0	<1.0	<0.90	<1.0	<1 0	<1.0	<1.0	<1 0	<0.91
Thallium	13	67	0.1	1	NA	NA	NA	NA	mg/kg		<1.0	<1 0	<1.0	<0.90	<1 0	<1.0	<1.0	<0.90	<1.0	<1 0	<1.0	<1.0	<1 0	<0.91
Vanadium	200	1,000	18	90.5	40	127	NA	NA	mg/kg		32	64	60	42	44	50	37	58	58	64	58	58	36	51
Zinc	600	100,000	10.3	396	7	109	NA	NA	mg/kg		36	74	72	38	64	99	46	65	63	68	64	61	41	65

Notes:
1- Soil ESL = Commercial/Industrial shallow soil screening level according to the California Regional Water Quality Control Board
2- PRG = Industrial Preliminary Remediation Goal according to CA EPA
3- Marrett et al. 1992. *Background Levels of Soil Trace Elements in Southern California Soils.*
4- Marrett et al. 1991. *Background Levels of soil Trace Elements In Southern California Soils.*
5- Ebasco. 1989. *WDI Final Remedial Investigation Report.*
3- mg/kg = milligrams per kilogram
4- < 1 0 = compound not detected above the laboratory specified detection limits
5- ft bgs = feet below ground surface
6- NA = compound not analyzed

Chemical Name	Soil ESL	PRG	Marrett et al. Southern California Background Soil Results		Marrett et al. Pristine Desert Background Soil Results		WDI (St. Paul's High School) Background Soil Results		Location		B-10	B-18	B-18	B-19	B-19	B-20	B-20	B-20	B-22	B-22	B-22	B-23	B-23	B-23
									Sample ID		B-10-90804-3-7	B-18-90704-1-4	B-18-90704-2-7	B-19-90704-1-4	B-19-90704-2-7	B-20-90804-1-1	B-20-90804-2-4	B-20-90804-3-7	B-22-90804-1-1	B-22-90804-2-4	B-22-90804-3-7	B-23-90804-1-1	B-23-90804-2-4	B-23-90804-3-7
			Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Depth (ft bgs)		7	4	7	4	7	1	4	7	1	4	7	1	4	7
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Units	Date	9/8/2004	9/7/2004	9/7/2004	9/7/2004	9/7/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004
pH	-	-	NA	NA	NA	NA	NA	NA			NA	**7.10**	**6.90**	**9.90**	**7.40**	**7.90**	**7.50**	**7.60**	**7.40**	**7.30**	**9.20**	**7.70**	**7.50**	**7.40**
Antimony	**40**	**410**	**0.12**	**1.9**	NA	NA	NA	NA	mg/kg		<1.0	<0.89	<1.0	<1 0	<0.90	<1.0	<1 0	<1.0	**0.96**	<1 0	<1.0	<1 0	<1.0	<1.0
Arsenic	**5.5**	**0.25**	**1**	**61.1**	**2**	**30.6**	**1.63**	**15.90**	mg/kg		**10**	**7.5**	**13**	**5.1**	**20**	**7.2**	**6.7**	**13**	**8.8**	**5.7**	**6.9**	**9.4**	**8.1**	**5.9**
Barium	**1,500**	**67,000**	**23**	**670**	**288**	**911**	NA	NA	mg/kg		**150**	**170**	**160**	**170**	**170**	**220**	**150**	**180**	**170**	**170**	**140**	**180**	**190**	**140**
Beryllium	**8**	**1,900**	**0.1**	**2.2**	NA	NA	NA	NA	mg/kg		<1.0	<0.89	<1.0	<1 0	<0.90	<1.0	<1 0	<1.0	<0.90	<1 0	<1.0	<1 0	<1.0	<1.0
Cadmium	**7.4**	**450**	**0.05**	**3.59**	**0.04**	**0.42**	**0.26**	**0.36**	mg/kg		<1.0	<0.89	<1.0	**1.5**	<0.90	<1.0	<1 0	<1.0	<0.90	<1 0	<1.0	<1 0	<1.0	<1.0
Chloride	**-**	**-**	NA	NA	NA	NA	NA	NA	mg/kg		NA	NA	NA	**5,120**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Chromium	**58**	**450**	**5.8**	**35.2**	**8**	**113**	**5.90**	**51.20**	mg/kg		**28**	**31**	**30**	**25**	**31**	**36**	**33**	**34**	**32**	**30**	**27**	**36**	**36**	**28**
Hexavalent Chromium	**1.8**	**64**	NA	NA	NA	NA	NA	NA	mg/kg		<0 50	<0.50	**0.51**	<0.50	<0 50	<0 50	<0.50	<0.50	<0 50	<0.50	<0 50	<0.50	<0.50	<0 50
Cobalt	**80**	**1,900**	**1.6**	**23.9**	**1.9**	**16.9**	NA	NA	mg/kg		**11**	**12**	**11**	**8.3**	**12**	**13**	**13**	**13**	**11**	**12**	**11**	**13**	**14**	**10**
Copper	**230**	**41,000**	**3.8**	**82**	**8.4**	**258**	**4.95**	**41.50**	mg/kg		**22**	**49**	**26**	**270**	**29**	**31**	**28**	**28**	**34**	**28**	**24**	**31**	**29**	**24**
Cyanide	**500**	**12,000**	NA	NA	NA	NA	NA	NA	mg/kg		<2 50	<2.50	<2 50	<2.50	<2 50	<2 50	<2.50	<2.50	<2 50	<2.50	<2 50	<2.50	<2.50	<2 50
Lead	**750**	**800**	**2.5**	**246**	**9.8**	**54.5**	**1.70**	**10.00**	mg/kg		**6.1**	**8.5**	**6.4**	**9.8**	**7.5**	**11**	**6.8**	**7.4**	**12**	**6.5**	**5.7**	**16**	**7.5**	**5.5**
Mercury	**10**	**3,100**	**0.1**	**2.7**	NA	NA	**0.02**	**0.19**	mg/kg		<0.15	<0.14	<0.16	<0.16	<0.16	<0.18	<0.15	<0.18	<0.15	<0.16	<0.18	<0.18	<0.15	<0.18
Molybdenum	**40**	**5,100**	**0.15**	**2.8**	NA	NA	NA	NA	mg/kg		<1.5	<1 3	<1.5	<1 5	<1.3	<1.5	<1 5	<1.5	<1.3	<1 5	<1.5	<1 5	<1.5	<1.5
Nickel	**150**	**2,000**	**3.5**	**28.2**	**7.2**	**25.1**	NA	NA	mg/kg		**21**	**26**	**23**	**270**	**25**	**26**	**23**	**25**	**26**	**24**	**20**	**26**	**26**	**20**
Selenium	**10**	**5,100**	NA	NA	NA	NA	**0.20**	**0.28**	mg/kg		<1.5	<1.4	<1.5	<1 5	<1.4	<1.5	<1 5	<1.5	<1.4	<1 5	<1.5	<1 5	<1.5	<1.5
Silver	**40**	**5,100**	**0.07**	**6.2**	NA	NA	NA	NA	mg/kg		<1.0	<0.89	<1.0	**3.7**	<0.90	<1.0	<1 0	<1.0	<0.90	<1 0	<1.0	<1 0	<1.0	<1.0
Thallium	**13**	**67**	**0.1**	**1**	NA	NA	NA	NA	mg/kg		<1.0	<0.89	<1.0	<1 0	<0.90	<1.0	<1 0	<1.0	<0.90	<1 0	<1.0	<1 0	<1.0	<1.0
Vanadium	**200**	**1,000**	**18**	**90.5**	**40**	**127**	NA	NA	mg/kg		**45**	**58**	**56**	**40**	**58**	**51**	**47**	**51**	**48**	**44**	**41**	**51**	**54**	**41**
Zinc	**600**	**100,000**	**10.3**	**396**	**7**	**109**	NA	NA	mg/kg		**64**	**63**	**59**	**130**	**71**	**69**	**56**	**65**	**62**	**57**	**53**	**70**	**66**	**52**

Notes:
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4- < 1.0 = compound not detected above the laboratory specified detection limits
5- ft bgs = feet below ground surface
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TABLE 5
Metal, Cyanide, Chloride, and PH Soil Results
APC

Chemical Name	Soil ESL	PRG	Marrett et al. Southern California Background Soil Results		Marrett et al. Pristine Desert Background Soil Results		WDI (St. Paul's High School) Background Soil Results		Location		B-24	B-24	B-24	B-25	B-25	B-25	B-26	B-26	B-26	B-27	B-27	B-27
									Sample ID		B-24-90804-1-1	B-24-90804-2-4	B-24-90804-3-7	B-25-90804-1-1	B-25-90804-2-4	B-25-90804-3-7	B-26-90804-1-1	B-26-90804-2-4	B-26-90804-3-7	B-27-90804-1-1	B-27-90804-2-4	B-27-90804-3-7
			Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Depth (ft bgs)		1	4	7	1	4	7	1	4	7	1	4	7
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Units	Date	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004	9/8/2004
pH	-	-	NA	NA	NA	NA	NA	NA			8.30	7.80	7.50	7.80	7.70	7.50	6.90	6.80	6.60	7.50	7.20	7.20
Antimony	40	410	0.12	1.9	NA	NA	NA	NA	mg/kg		<0.90	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0
Arsenic	5.5	0.25	1	61.1	2	30.6	1.63	15.90	mg/kg		12	11	7.9	7.0	8.2	8.3	8.4	6.8	9.8	7.0	6.6	6.8
Barium	1,500	67,000	23	670	288	911	NA	NA	mg/kg		150	210	140	180	180	180	180	160	150	230	130	130
Beryllium	8	1,900	0.1	2.2	NA	NA	NA	NA	mg/kg		<0.90	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0
Cadmium	7.4	450	0.05	3.59	0.04	0.42	0.26	0.36	mg/kg		<0.90	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0
Chloride	-	-	NA	NA	NA	NA	NA	NA	mg/kg		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Chromium	58	450	5.8	35.2	8	113	5.90	51.20	mg/kg		32	31	29	32	36	32	32	31	28	36	27	26
Hexavalent Chromium	1.8	64	NA	NA	NA	NA	NA	NA	mg/kg		<0.50	<0 50	<0.50	<0.50	<0 50	<0.50	<0 50	<0.50	<0.50	<0 50	<0.50	<0 50
Cobalt	80	1,900	1.6	23.9	1.9	16.9	NA	NA	mg/kg		12	12	11	13	15	12	13	12	11	14	10	11
Copper	230	41,000	3.8	82	8.4	258	4.95	41.50	mg/kg		45	27	26	30	30	30	30	28	24	37	24	23
Cyanide	500	12,000	NA	NA	NA	NA	NA	NA	mg/kg		<2.50	<2 50	<2.50	<2.50	<2 50	<2.50	<2 50	<2.50	<2.50	<2 50	<2.50	<2 50
Lead	750	800	2.5	246	9.8	54.5	1.70	10.00	mg/kg		14	7.6	7.0	6.9	7.5	7.5	15	6.5	5.9	8.0	6.3	5.8
Mercury	10	3,100	0.1	2.7	NA	NA	0.02	0.19	mg/kg		<0.18	<0.18	<0.16	<0.18	<0.18	<0.18	<0.18	<0.18	<0.16	<0.18	<0.18	<0.16
Molybdenum	40	5,100	0.15	2.8	NA	NA	NA	NA	mg/kg		<1 3	<1.5	<1 5	<1.5	<1.5	<1 5	<1.5	<1 5	<1.5	<1.5	<1 5	<1.5
Nickel	150	2,000	3.5	28.2	7.2	25.1	NA	NA	mg/kg		29	24	21	26	26	24	25	22	21	29	18	19
Selenium	10	5,100	NA	NA	NA	NA	0.20	0.28	mg/kg		<1.4	<1.5	<1 5	<1.5	<1.5	<1 5	<1.5	<1 5	<1.5	<1.5	<1 5	<1.5
Silver	40	5,100	0.07	6.2	NA	NA	NA	NA	mg/kg		<0.90	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0
Thallium	13	67	0.1	1	NA	NA	NA	NA	mg/kg		<0.90	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0	<1 0	<1.0	<1.0	<1 0	<1.0
Vanadium	200	1,000	18	90.5	40	127	NA	NA	mg/kg		45	44	45	57	67	46	61	56	51	46	44	53
Zinc	600	100,000	10.3	396	7	109	NA	NA	mg/kg		84	64	70	64	69	64	89	60	58	72	48	48

Notes:
1- Soil ESL = Commercial/Industrial shallow soil screening level according to the California Regional Water Quality Control Board
2- PRG = Industrial Preliminary Remediation Goal according to CA EPA
3- Marrett et al. 1992. *Background Levels of Soil Trace Elements in Southern California Soils.*
4- Marrett et al. 1991. *Background Levels of soil Trace Elements In Southern California Soils.*
5- Ebasco. 1989. *WDI Final Remedial Investigation Report.*
3- mg/kg = milligrams per kilogram
4- < 1.0 = compound not detected above the laboratory specified detection limits
5- ft bgs = feet below ground surface
6- NA = compound not analyzed

TABLE 6

SOIL PHYSICAL PROPERTIES RESULTS

APC

BOREHOLE LOCATION	DEPTH (ft)	SAMPLE ORIENT.	MOISTURE CONTENT (% wt)	DENSITY		POROSITY, %Vb		TOTAL ORGANIC CARBON (mg/kg)	TOTAL PORE FLUID SATURATIONS, (% Pv)	25.0 PSI CONFINING STRESS		
				BULK (g/cc)	GRAIN (g/cc)	TOTAL	AIR FILLED			NATIVE STATE EFFECTIVE PERMEABILITY TO AIR (millidarcy)	NATIVE STATE EFFECTIVE PERMEABILITY TO WATER (millidarcy)	NATIVE STATE EFFECTIVE HYDRAULIC CONDUCTIVITY (cm/s)
B-3	1.0	Vertical	12.9	1.76	2.71	35.1	12.4	4700	64.6	80.3	0.227	2.25E-07
B-3	7.0	Vertical	15.6	1.76	2.70	34.9	8.8	6650	78.8	0.879	0.258	2.59E-07

Notes:
ft = feet
Sample orient. = sample orientation
% wt = percent by weight
g/cc = grams per cubic centimeters
%Vb = bulk volume in percent
mg/kg = milligrams per kilogram
% Pv = pore volume in percent
cm/s = centimeter per second
Moisture content was analyzed in accordance with ASTM Method D2216/API RP40
Density porosity total pore fluid saturation and native state effective permeability to air were analyzed in accordance with API Method RP40
Total organic carbon was analyzed in accordance with the Walkley-Black Method
Native state effective permeability to water and native state effective hydraulic conductivity were analyzed in accordance with ASTM Method D5084
Total porosity = no pore fluids in place all interconnected pore channels Air filled = pore channels not occupied by pore fluids
Water = 0.9981 g/cc Hydrocarbon = 0.7500 g/cc
Native State = As received with pore fluids in place
Permeability to water and conductivity measured at saturated conditions

TABLE 7
SOIL PARTICLE SIZE RESULTS
APC

BOREHOLE LOCATION	DEPTH (ft)	MEAN GRAIN SIZE DESCRIPTION	MEDIAN GRAIN SIZE (mm)	PARTICLE SIZE DISTRIBUTION, WT. PERCENT						
				GRAVEL	Sand Size Coarse	SAND SIZE MEDIUM	SAND SIZE FINE	SILT	CLAY	SILT & CLAY
B-3	1.00	Silt	0.029	0.00	0.00	0.00	28.59	51.48	19.93	71.41
B-3	7.00	Silt	0.034	0.00	0.00	1.32	31.41	48.48	18.79	67.27

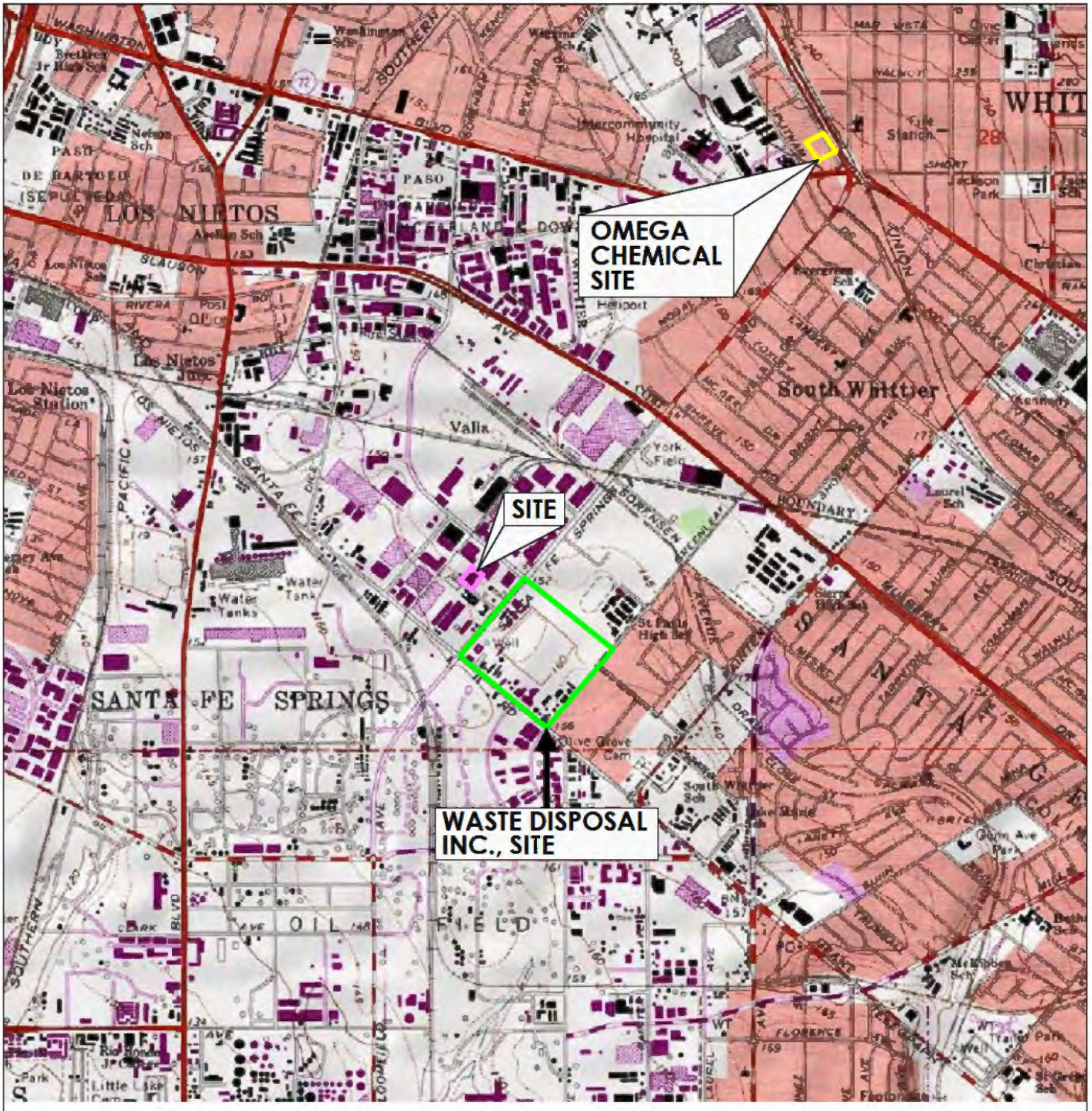
Notes:
ft = feet
mm = millimeters
wt. percent = weight percent
particle size was analyzed in accordance with ASTM method D422/D4464M

TABLE 8
Field QA/QC Analytical Results
APC

Chemical Name			Equipment Blanks				Field Blanks			
	Sample ID		QCEB-090704	QCEB-090804	QCEB-090904	QCEB-091304	QCFB-090704	QCFB-090804	QCFB-090904	QCFB-091304
	Units	Date	9/7/2004	9/8/2004	09/09/04	09/13/04	9/7/2004	9/8/2004	09/09/04	09/13/04
VOCs										
1 1 1 2-Tetrachlorroethane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 1 1-Trichloroethane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 1 2 2-Tetrachloroethane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 1 2-Trichloroethane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 1-Dichloroethane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 1-Dichloroethylene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 1-Dichloropropylene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 2 3-Trichlorobenzene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 2 3-Trichloropropane	µg/L		<5.0	<5.0	< 5.0	< 5.0	<5.0	<5.0	< 5.0	< 5.0
1 2 4-Trichlorobenzene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 2 4-Trimethylbenzene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 2-Dibromo-3-Chloropropane (DBCP)	µg/L		<5.0	<5.0	< 5.0	< 5.0	<5.0	<5.0	< 5.0	< 5.0
1 2-Dibromoethane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 2-Dichlorobenzene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 2-Dichloroethane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 2-Dichloropropane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 3 5-Trimethylbenzene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 3-Dichloropropane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
1 4-Dichlorobenzene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
2 2-Dichloropropane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
2-Chlorotoluene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
2-Phenylbutane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
4-Chlorotoluene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Benzene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Bromobenzene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Bromodichloromethane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Bromomethane	µg/L		<5.0	<5.0	< 5.0	< 5.0	<5.0	<5.0	< 5.0	< 5.0
Butylbenzene n-	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Carbon Tetrachloride	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
CFC-11	µg/L		<5.0	<5.0	< 5.0	< 5.0	<5.0	<5.0	< 5.0	< 5.0
CFC-12	µg/L		<5.0	<5.0	< 5.0	< 5.0	<5.0	<5.0	< 5.0	< 5.0
Chlorobenzene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Chlorobromomethane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Chlorodibromomethane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Chloroethane	µg/L		<5.0	<5.0	< 5.0	< 5.0	<5.0	<5.0	< 5.0	< 5.0
Chloroform	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Chloromethane	µg/L		<5.0	<5.0	< 5.0	< 5.0	<5.0	<5.0	< 5.0	< 5.0
Cis-1 2-Dichloroethene (cis 1 2-DCE)	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Cis-1 3-Dichloropropene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Cymene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Dibromomethane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Dichloromethane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Diisopropyl Ether	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Ethylbenzene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Ethyl-tert-Butyl Ether	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Hexachloro-1 3-Butadiene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Isopropylbenzene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
M-Dichlorobenzene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Methylbenzene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Methyl-tert-Butyl Ether	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Naphthalene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
O-Xylene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Xylene P- M-	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Propylbenzene n-	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Styrene (Monomer)	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Tert-Amyl-Methyl Ether	µg/L		<1.0	<1.0	< 5.0	< 5.0	<1.0	<1.0	< 5.0	< 5.0
Tert-Butyl Alchohol	µg/L		<5.0	<5.0	< 1.0	< 1.0	<5.0	<5.0	< 1.0	< 1.0
Tert-Butylbenzene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Tetrachloroethene (PCE)	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Trans-1 2-Dichloroethene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Trans-1 3-Dichloropropene	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Tribromomethane	µg/L		<1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
Trichloroethene (TCE)	µg/L		<1.0	<1.0	< 5.0	< 5.0	<1.0	<1.0	< 5.0	< 5.0
Vinyl Chloride (VC)	µg/L		<5.0	<5.0	< 1.0	< 1.0	<5.0	<5.0	< 1.0	< 1.0
Metals										
Antimony	mg/L		<0 0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0 0020	<0.0020
Arsenic	mg/L		<0 0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0 0020	<0.0020
Barium	mg/L		**0.0085**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0 0010	<0.0010
Beryllium	mg/L		<0.040	<0.040	< 0.040	< 0.040	<0 040	<0.040	< 0.040	< 0.040
Cadmium	mg/L		<0 0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0 0020	<0.0020
Chromium	mg/L		<0 0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0 0050	<0.0050
Chromium (Hexavalent Compounds)	mg/L		<0 0020	<0.0020	< 0.0020	< 0.0020	<0.0020	<0.0020	< 0.0020	< 0.0020
Cobalt	mg/L		<0 0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0 0020	<0.0020
Copper	mg/L		**0.019**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0 0050	<0.0050
Cyanide	mg/L		<0 0200	<0.0200	< 0.0200	< 0.0200	<0.0200	<0.0200	< 0.0200	< 0.0200
Lead	mg/L		<0 0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0 0020	<0.0020
Mercury	mg/L		<0 0007	<0.0007	< 0.0007	< 0.0007	<0.0007	<0.0007	< 0.0007	< 0.0007
Molybdenum	mg/L		<0 0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0 0020	<0.0020
Nickel	mg/L		**0.019**	**0.0016**	<0.0010	<0.0010	<0.0010	<0.0010	<0 0010	<0.0010
Selenium	mg/L		<0 0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0 0020	<0.0020
Silver	mg/L		<0 0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0 0020	<0.0020
Thallium	mg/L		<0 0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0 0020	<0.0020
Vanadium (Fume or Dust)	mg/L		**0.013**	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0 0020	<0.0020
Zinc	mg/L		**0.014**	<0.010	<0.010	<0 010	<0 010	<0.010	<0.010	<0.010
Petroleum Hydrocarbons										
HC<C8	mg/L		<0.010	<0.010	< 0.010	< 0.010	<0 010	<0.010	< 0.010	< 0.010
HC C8-C9	mg/L		<0.010	<0.010	< 0.010	< 0.010	<0 010	<0.010	< 0.010	< 0.010
HC C9-C10	mg/L		<0.010	<0.010	< 0.010	< 0.010	<0 010	<0.010	< 0.010	< 0.010
HC C10-C11	mg/L		<0.010	<0.010	< 0.010	< 0.010	<0 010	<0.010	< 0.010	< 0.010
HC C11-C12	mg/L		<0.010	<0.010	< 0.010	< 0.010	<0 010	<0.010	< 0.010	< 0.010
HC C12-C14	mg/L		<0.010	<0.010	< 0.010	< 0.010	<0 010	<0.010	< 0.010	< 0.010
HC C14-C16	mg/L		<0.010	<0.010	< 0.010	< 0.010	<0 010	<0.010	< 0.010	< 0.010
HC C16-C18	mg/L		<0.010	<0.010	< 0.010	< 0.010	<0 010	<0.010	< 0.010	< 0.010
HC C18-C20	mg/L		<0.010	<0.010	< 0.010	< 0.010	<0 010	<0.010	< 0.010	< 0.010
HC C20-C24	mg/L		<0.010	<0.010	< 0.010	< 0.010	<0 010	<0.010	< 0.010	< 0.010
HC C24-C28	mg/L		<0.010	<0.010	< 0.010	< 0.010	<0 010	<0.010	< 0.010	< 0.010
HC C28-C32	mg/L		<0.010	<0.010	< 0.010	< 0.010	<0 010	<0.010	< 0.010	< 0.010
HC >C32	mg/L		<0.010	<0.010	< 0.010	< 0.010	<0 010	<0.010	< 0.010	< 0.010
HC Extractable Hydrocarbons C7-C36	mg/L		<0.050	<0.050	< 0.050	< 0.050	<0 050	<0.050	< 0.050	< 0.050

Notes:
1- mg/L = milligrams per liter
2- µg/L = micrograms per liter
3- < 1.0 = compound not detected above the laboratory specified detection limits
4- HC - Petroleum Hydrocarbons
5- VOC = Volatile Organic Compounds

FIGURES



Source: United States Geological Survey, "South Whittier," 7.5 Minute Quadrangle, 1998

N

0 2,000

Approximate Scale in Feet

KOMEX

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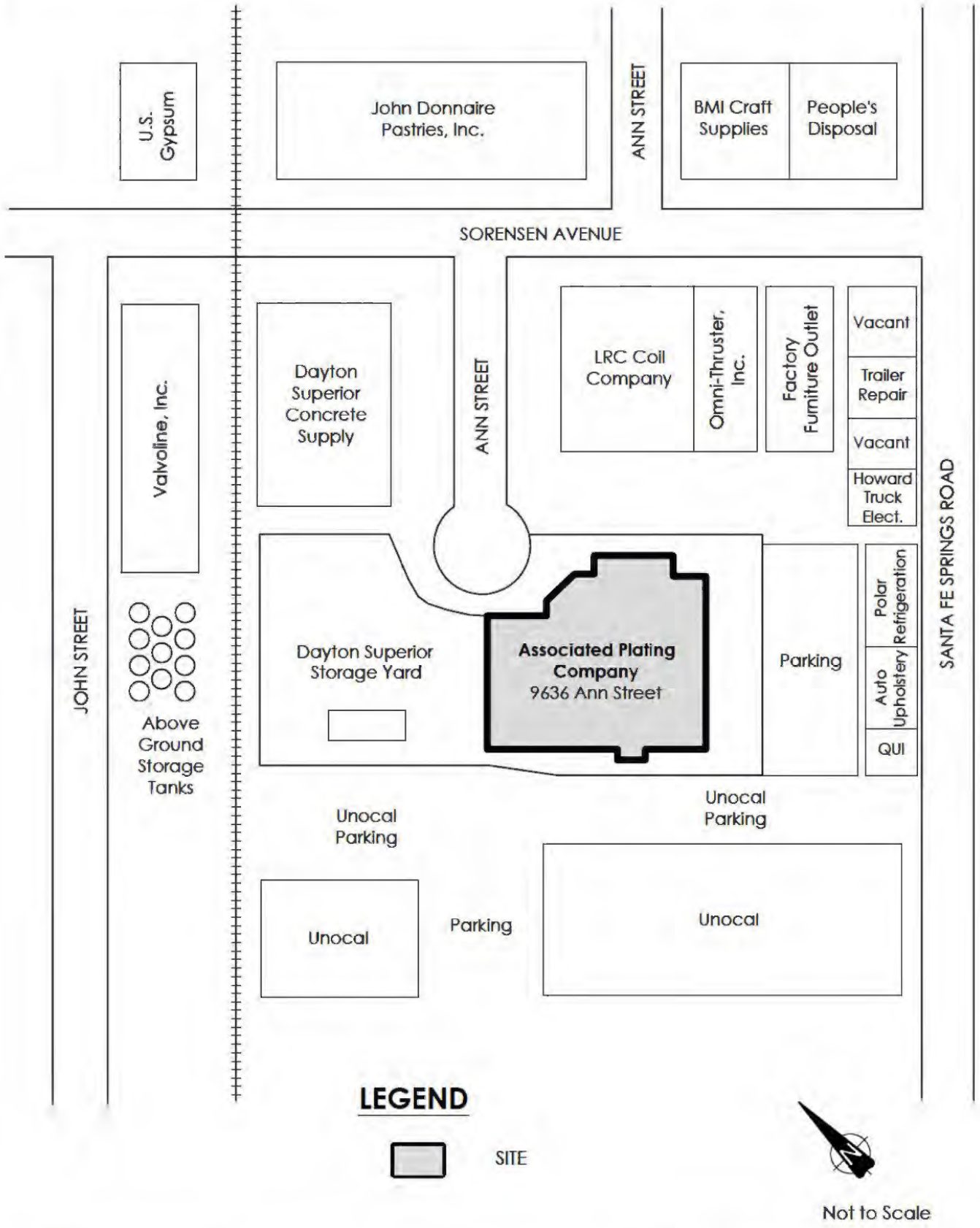
ASSOCIATED PLATING COMPANY, 9636 ANN STREET, SANTA FE SPRINGS, CA	CT	01/2005
	MA	H0287A
SITE LOCATION MAP	1	



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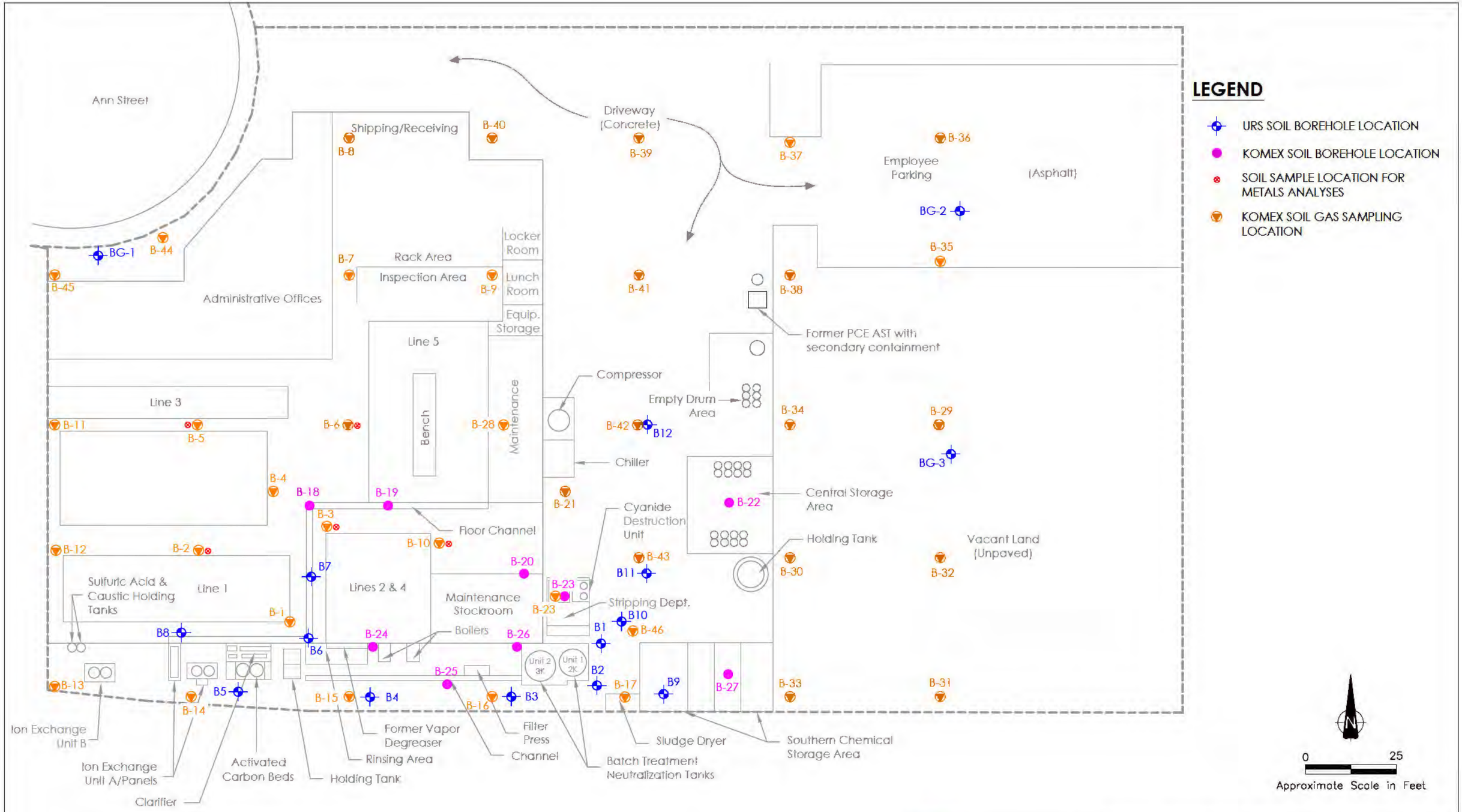
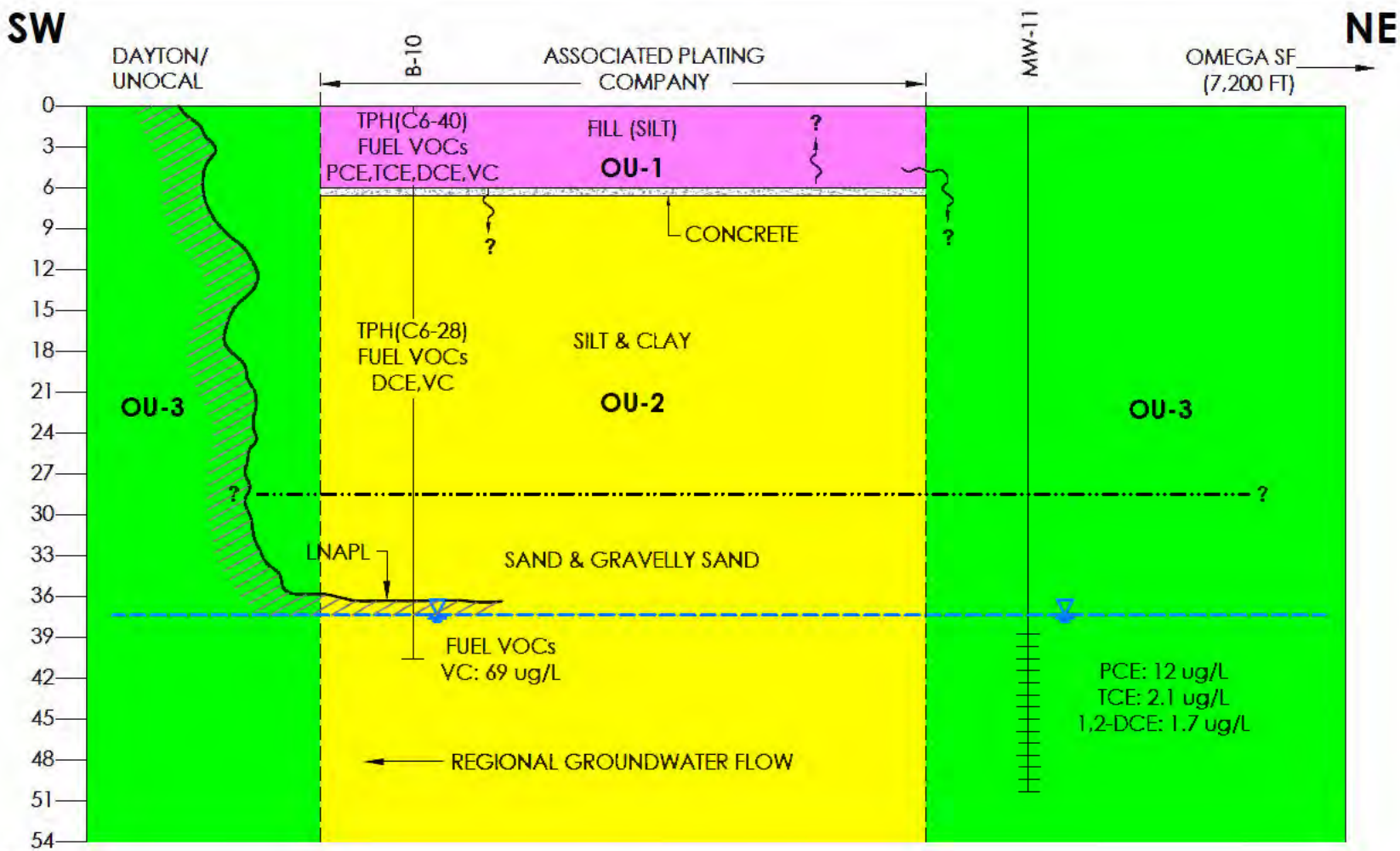
ASSOCIATED PLATING COMPANY, 9636 ANN STREET, SANTA FE SPRINGS, CA	CT	01/2005
	MA	H0287A
SITE VICINITY MAP	2	



KOMEX PREPARED SOLELY FOR THE USE OF OUR CLIENT AND NO REPRESENTATION OF ANY KIND IS MADE TO OTHER PARTIES WITH WHICH KOMEX HAS NOT ENTERED INTO A CONTRACT.	ASSOCIATED PLATING COMPANY, 9636 ANN STREET, SANTA FE SPRINGS, CA	CT	01/2005
		MA	H0287A
	SITE PLAN SHOWING BOREHOLE LOCATIONS	3	



LEGEND

- OU-1 (OPERABLE UNIT 1)
- OU-2 (OPERABLE UNIT 2)
- OU-3 (OPERABLE UNIT 3)
- POTENTIAL MIGRATION PATHWAYS
- WATER TABLE SURFACE
- LITHOLOGIC CONTACT

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SANTA FE SPRINGS, CA

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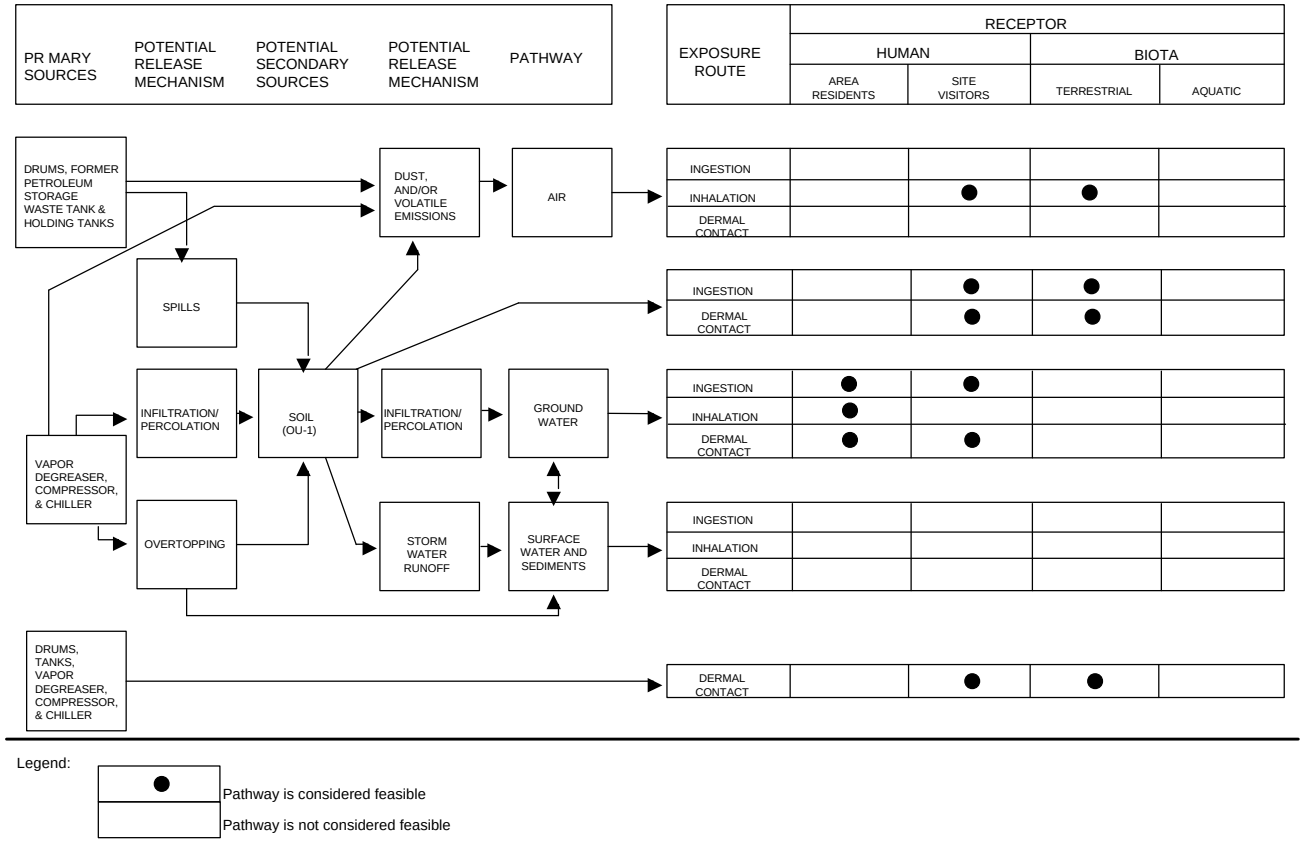
SITE CONCEPTUAL MODEL AND
PROPOSED OPERABLE UNITS

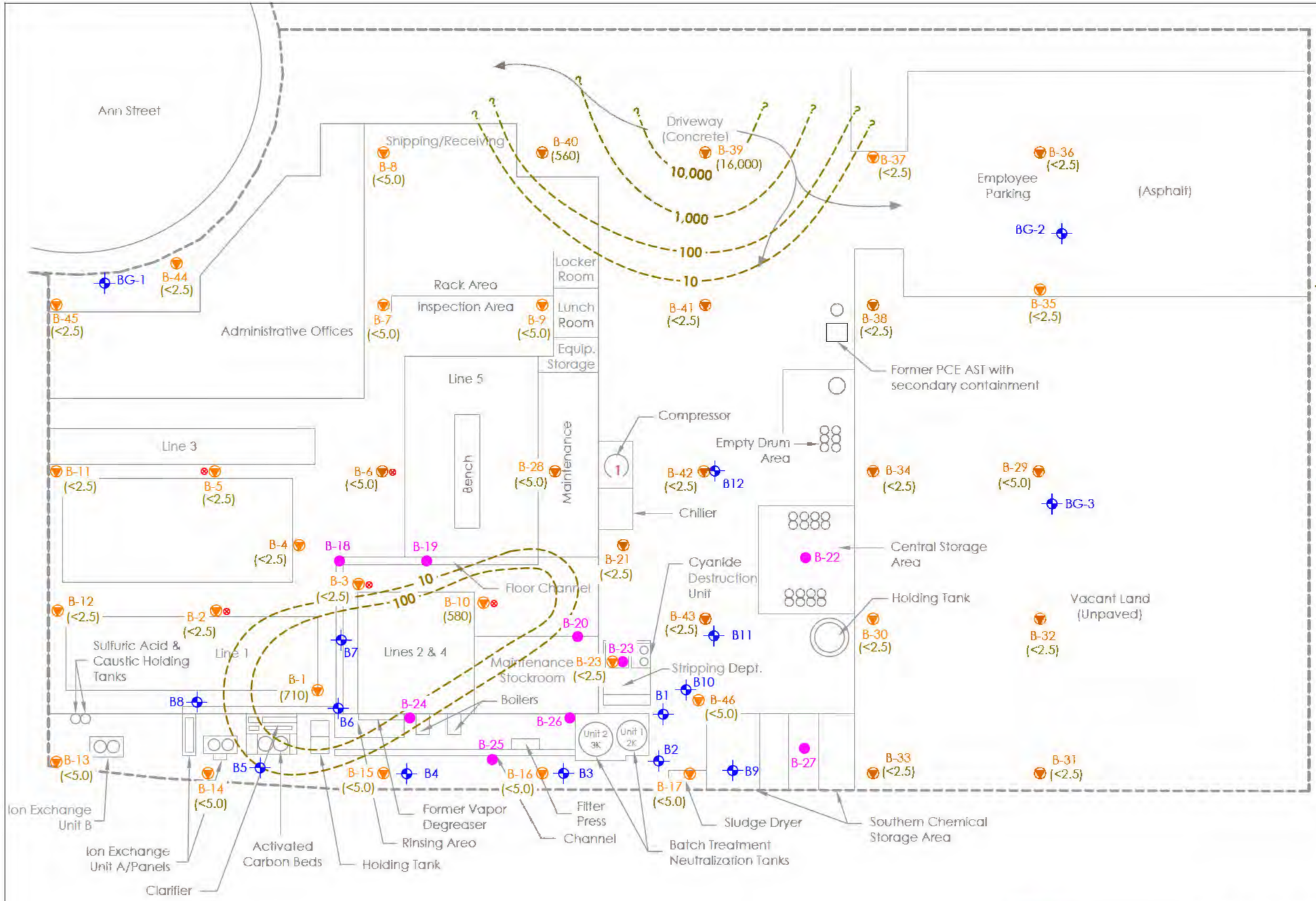
4A

Figure 4B: Site Conceptual Model Diagram and Potential Receptors (OU-1)



Legend:

●	Pathway is considered feasible
	Pathway is not considered feasible



LEGEND

- URS SOIL BOREHOLE LOCATION
- KOMEX SOIL BOREHOLE LOCATION
- SOIL SAMPLE LOCATION FOR METALS ANALYSES (IN SOIL GAS BOREHOLE)
- KOMEX SOIL GAS SAMPLING LOCATION
- 10 — TPH ISOCONCENTRATION CONTOUR
- (710) TPH CONCENTRATION IN MICROGRAMS PER LITER (µg/l)
- (<5.0) COMPOUND NOT DETECTED AT SPECIFIED DETECTION LIMIT

NOTES

1) BGS = below ground surface
2) TPH = total petroleum hydrocarbon

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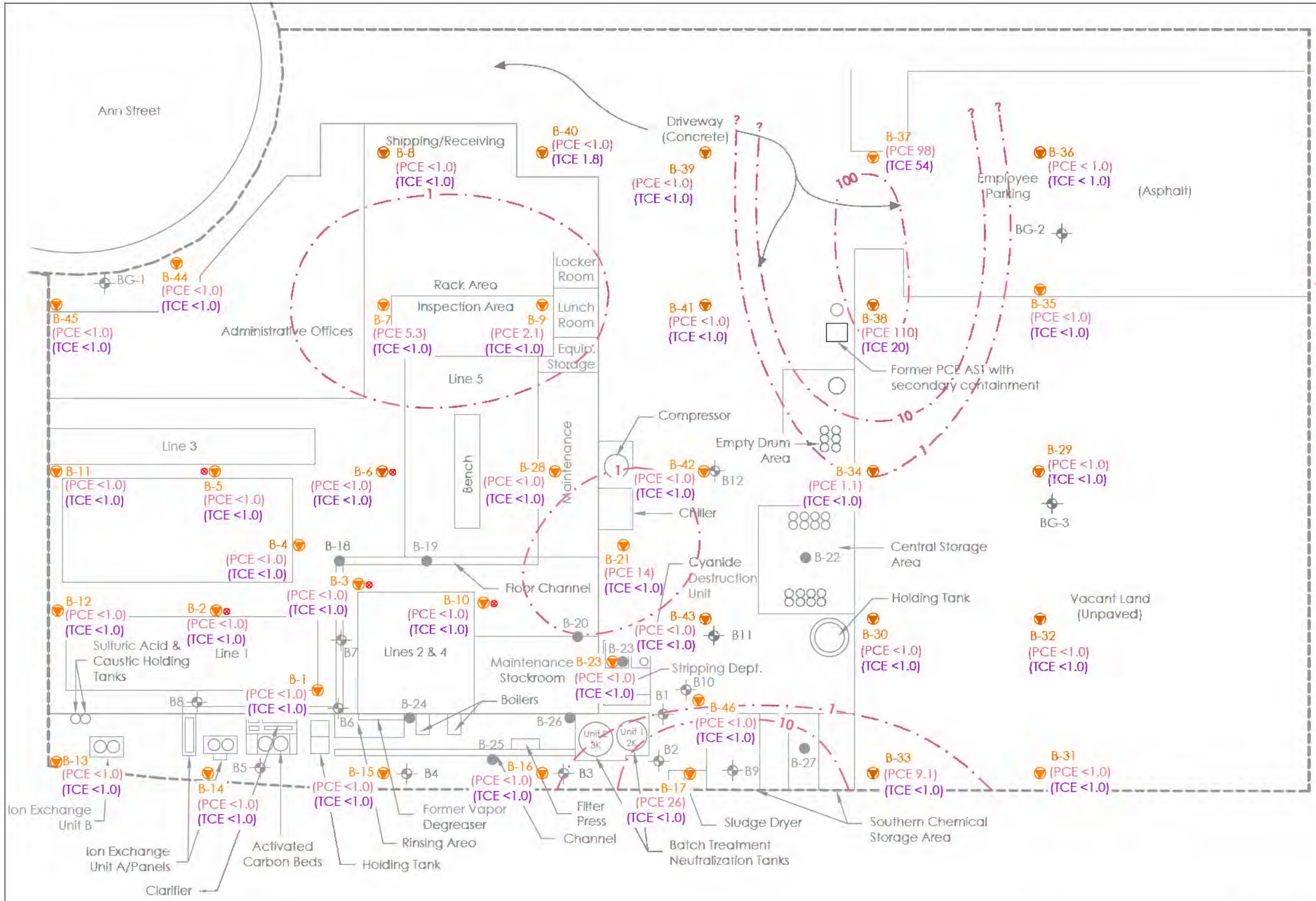
ASSOCIATED PLATING COMPANY, 9636 ANN STREET, SANTA FE SPRINGS, CA	CT	01/2005
TPH IN SOIL GAS AT FIVE FEET BGS (SEPTEMBER 2004)	MA	H0287A
	5	



LEGEND

- URS SOIL BOREHOLE LOCATION
- KOMEX SOIL BOREHOLE LOCATION
- SOIL SAMPLE LOCATION FOR METALS ANALYSES (IN SOIL GAS BOREHOLE)
- KOMEX SOIL GAS SAMPLING LOCATION
- 10 — PCE ISOCONCENTRATION CONTOUR
- (5.3) COMPOUND CONCENTRATION IN MICROGRAMS PER LITER (µg/l)
- (<1.0) COMPOUND NOT DETECTED AT SPECIFIED DETECTION LIMIT

NOTES

1) BGS = below ground surface
2) PCE = tetrachloroethene
3) TCE = trichloroethene

0 25
Approximate Scale in Feet

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PCE AND TCE IN SOIL GAS AT FIVE FEET BGS (SEPTEMBER 2004)

CT	01/2005
MA	H0287A

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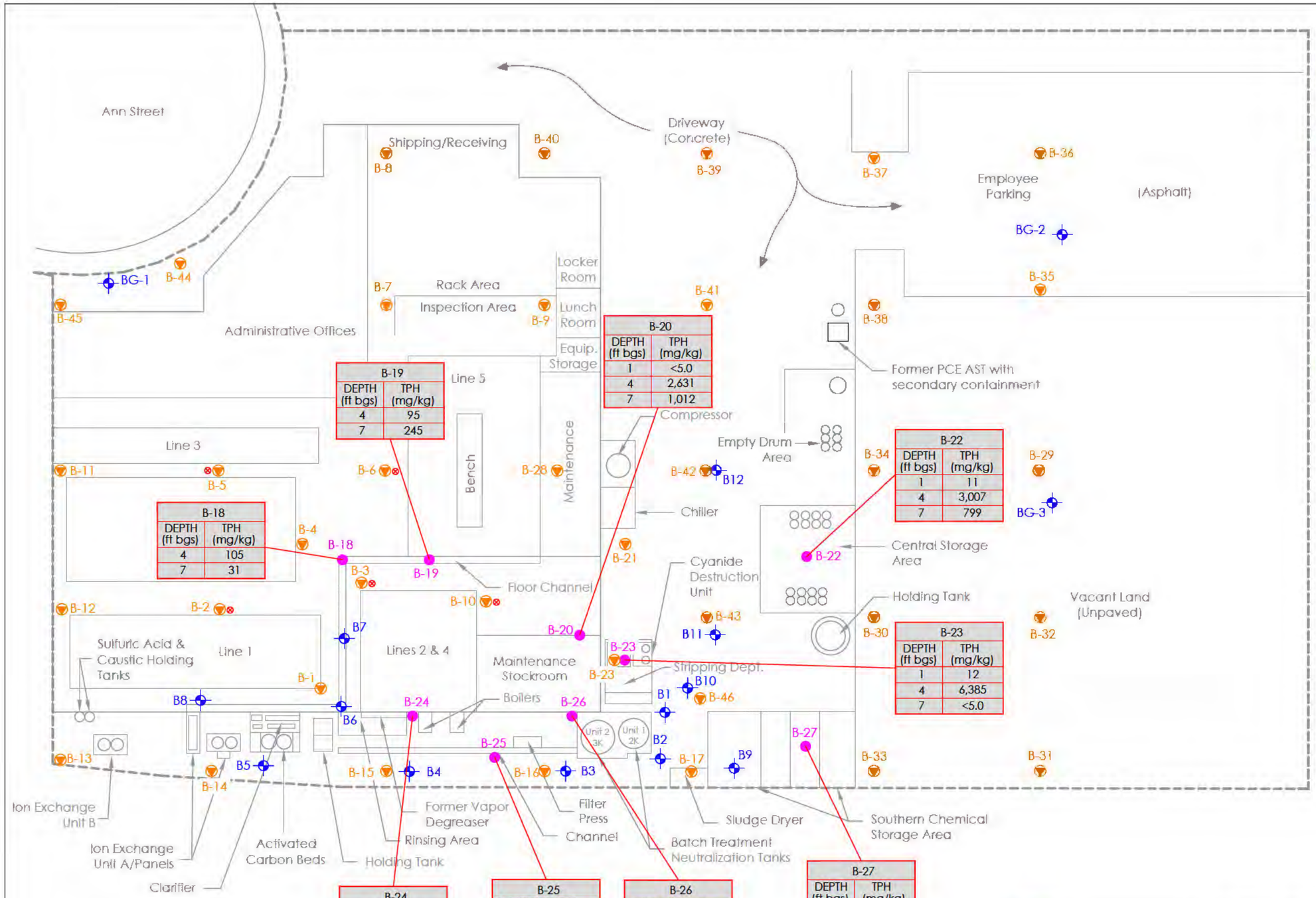

B-20	
DEPTH (ft bgs)	TPH (mg/kg)
1	<5.0
4	2,631
7	1,012

B-19	
DEPTH (ft bgs)	TPH (mg/kg)
4	95
7	245

B-18	
DEPTH (ft bgs)	TPH (mg/kg)
4	105
7	31

B-22	
DEPTH (ft bgs)	TPH (mg/kg)
1	11
4	3,007
7	799

B-23	
DEPTH (ft bgs)	TPH (mg/kg)
1	12
4	6,385
7	<5.0

B-24	
DEPTH (ft bgs)	TPH (mg/kg)
1	1,020
4	5,639
7	<5.0

B-25	
DEPTH (ft bgs)	TPH (mg/kg)
1	3,887
4	49
7	2,693

B-26	
DEPTH (ft bgs)	TPH (mg/kg)
1	565
4	1,093
7	2,397

B-27	
DEPTH (ft bgs)	TPH (mg/kg)
1	2,507
4	94
7	216

LEGEND

- URS SOIL BOREHOLE LOCATION
- KOMEX SOIL BOREHOLE LOCATION
- SOIL SAMPLE LOCATION FOR METALS ANALYSES
- KOMEX SOIL GAS SAMPLING LOCATION
- <5.0 COMPOUND WAS NOT DETECTED AT SPECIFIED DETECTION LIMIT

NOTES

1) ft bgs = feet below ground surface
2) TPH = total petroleum hydrocarbons
3) mg/kg = milligrams per kilogram

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ASSOCIATED PLATING COMPANY, 9636 ANN STREET, SANTA FE SPRINGS, CA

TPH IN SOIL (SEPTEMBER 2004)

CT	01/2005
MA	H0287A

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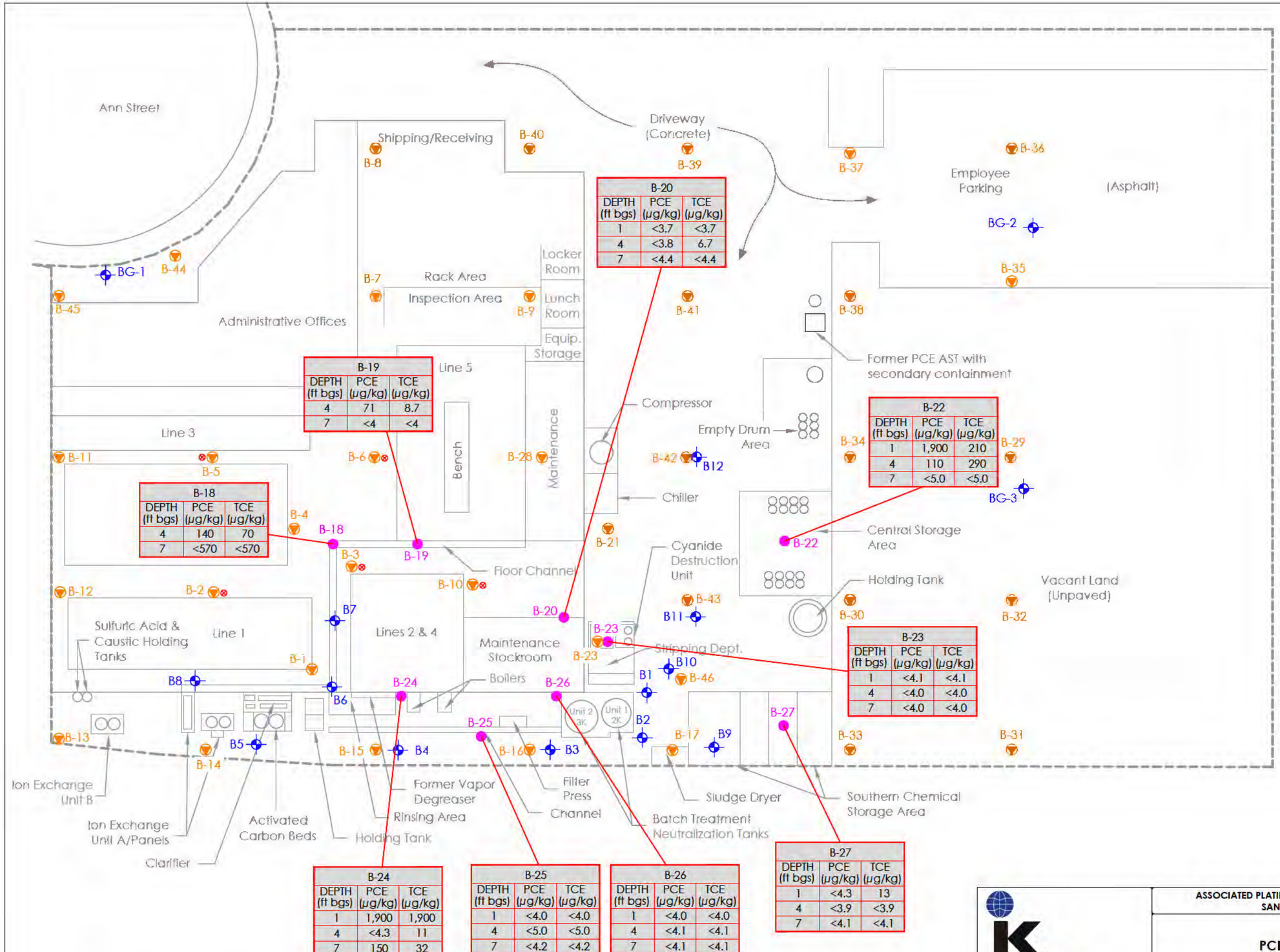

B-20		
DEPTH (ft bgs)	PCE (µg/kg)	TCE (µg/kg)
1	<3.7	<3.7
4	<3.8	6.7
7	<4.4	<4.4

B-19		
DEPTH (ft bgs)	PCE (µg/kg)	TCE (µg/kg)
4	71	8.7
7	<4	<4

B-18		
DEPTH (ft bgs)	PCE (µg/kg)	TCE (µg/kg)
4	140	70
7	<570	<570

B-22		
DEPTH (ft bgs)	PCE (µg/kg)	TCE (µg/kg)
1	1,900	210
4	110	290
7	<5.0	<5.0

B-23		
DEPTH (ft bgs)	PCE (µg/kg)	TCE (µg/kg)
1	<4.1	<4.1
4	<4.0	<4.0
7	<4.0	<4.0

B-24		
DEPTH (ft bgs)	PCE (µg/kg)	TCE (µg/kg)
1	1,900	1,900
4	<4.3	11
7	150	32

B-25		
DEPTH (ft bgs)	PCE (µg/kg)	TCE (µg/kg)
1	<4.0	<4.0
4	<5.0	<5.0
7	<4.2	<4.2

B-26		
DEPTH (ft bgs)	PCE (µg/kg)	TCE (µg/kg)
1	<4.0	<4.0
4	<4.1	<4.1
7	<4.1	<4.1

B-27		
DEPTH (ft bgs)	PCE (µg/kg)	TCE (µg/kg)
1	<4.3	13
4	<3.9	<3.9
7	<4.1	<4.1

LEGEND

- URS SOIL BOREHOLE LOCATION
- KOMEX SOIL BOREHOLE LOCATION
- SOIL SAMPLE LOCATION FOR METALS ANALYSES
- KOMEX SOIL GAS SAMPLING LOCATION
- <4.0 COMPOUND WAS NOT DETECTED AT SPECIFIED DETECTION LIMIT

NOTES

1) ft bgs = feet below ground surface
2) PCE = tetrachloroethene
3) TCE = trichloroethene
4) (µg/kg) = micrograms per kilogram

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PCE & TCE IN SOIL (SEPTEMBER 2004)

CT	01/2005
MA	H0287A

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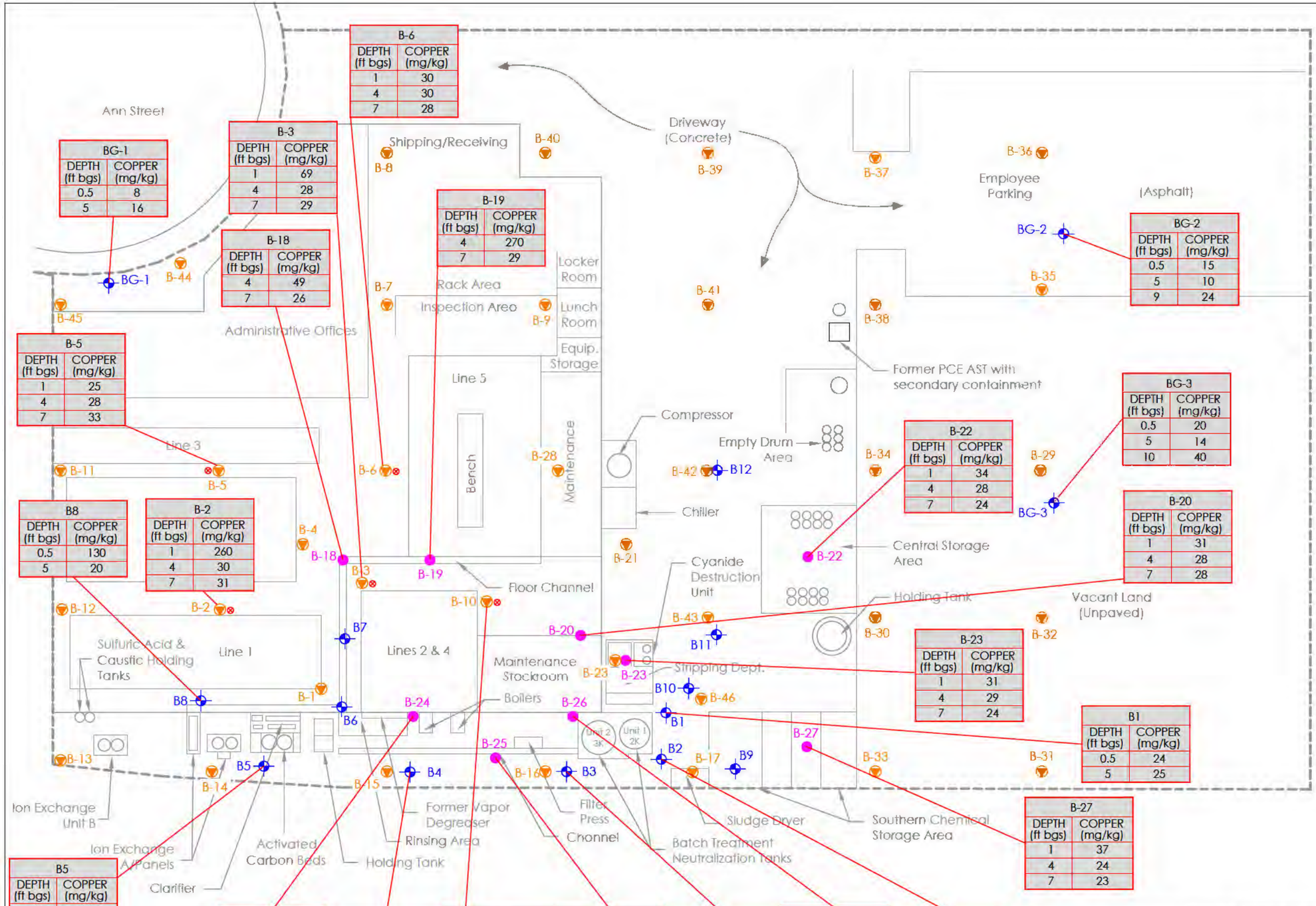

LEGEND

- URS SOIL BOREHOLE LOCATION
- KOMEX SOIL BOREHOLE LOCATION
- SOIL SAMPLE LOCATION FOR METALS ANALYSES
- KOMEX SOIL GAS SAMPLING LOCATION
- <5.0 COMPOUND WAS NOT DETECTED AT SPECIFIED DETECTION LIMIT

NOTES

1) ft bgs = feet below ground surface
2) mg/kg = milligrams per kilogram

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COPPER CONCENTRATIONS IN SOIL (NOVEMBER 2001, FEBRUARY 2002, & SEPTEMBER 2004)

CT	01/2005
MA	H0287A

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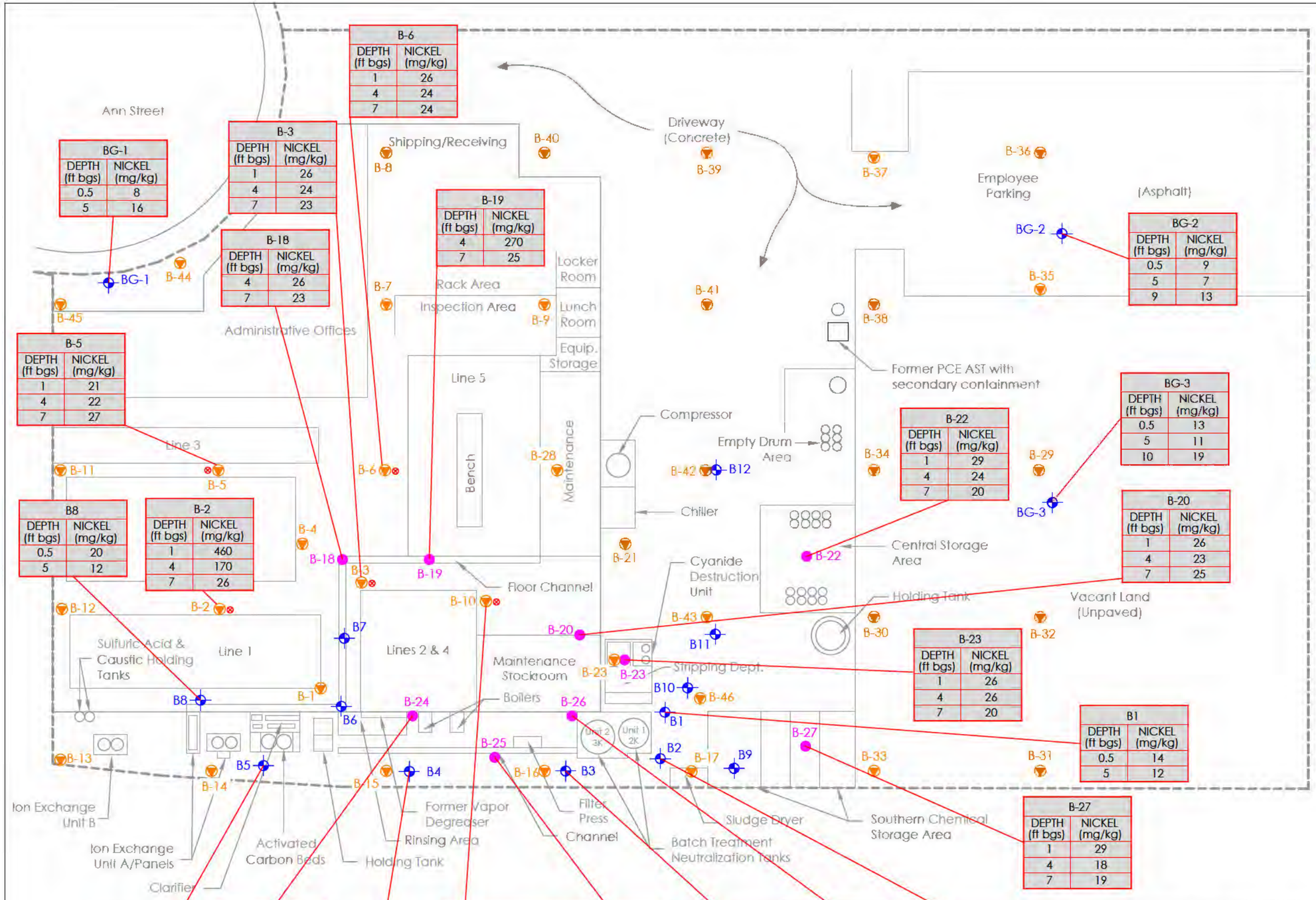

B-6	
DEPTH (ft bgs)	NICKEL (mg/kg)
1	26
4	24
7	24

BG-1	
DEPTH (ft bgs)	NICKEL (mg/kg)
0.5	8
5	16

B-3	
DEPTH (ft bgs)	NICKEL (mg/kg)
1	26
4	24
7	23

B-19	
DEPTH (ft bgs)	NICKEL (mg/kg)
4	270
7	25

B-18	
DEPTH (ft bgs)	NICKEL (mg/kg)
4	26
7	23

BG-2	
DEPTH (ft bgs)	NICKEL (mg/kg)
0.5	9
5	7
9	13

B-5	
DEPTH (ft bgs)	NICKEL (mg/kg)
1	21
4	22
7	27

BG-3	
DEPTH (ft bgs)	NICKEL (mg/kg)
0.5	13
5	11
10	19

B-22	
DEPTH (ft bgs)	NICKEL (mg/kg)
1	29
4	24
7	20

B8	
DEPTH (ft bgs)	NICKEL (mg/kg)
0.5	20
5	12

B-2	
DEPTH (ft bgs)	NICKEL (mg/kg)
1	460
4	170
7	26

B-20	
DEPTH (ft bgs)	NICKEL (mg/kg)
1	26
4	23
7	25

B-23	
DEPTH (ft bgs)	NICKEL (mg/kg)
1	26
4	26
7	20

B1	
DEPTH (ft bgs)	NICKEL (mg/kg)
0.5	14
5	12

B-27	
DEPTH (ft bgs)	NICKEL (mg/kg)
1	29
4	18
7	19

LEGEND

- URS SOIL BOREHOLE LOCATION
- KOMEX SOIL BOREHOLE LOCATION
- SOIL SAMPLE LOCATION FOR METALS ANALYSES
- KOMEX SOIL GAS SAMPLING LOCATION
- <5.0 COMPOUND WAS NOT DETECTED AT SPECIFIED DETECTION LIMIT

NOTES

1) ft bgs = feet below ground surface
2) mg/kg = milligrams per kilogram

0 25
Approximate Scale in Feet

B5	
DEPTH (ft bgs)	NICKEL (mg/kg)
1	28
5	22

B-24	
DEPTH (ft bgs)	NICKEL (mg/kg)
1	29
4	24
7	21

B4	
DEPTH (ft bgs)	NICKEL (mg/kg)
1	22
5	25

B-10	
DEPTH (ft bgs)	NICKEL (mg/kg)
1	30
4	27
7	21

B-25	
DEPTH (ft bgs)	NICKEL (mg/kg)
1	26
4	26
7	24

B3	
DEPTH (ft bgs)	NICKEL (mg/kg)
1.5	29
5	20

B-26	
DEPTH (ft bgs)	NICKEL (mg/kg)
1	25
4	22
7	21

B2	
DEPTH (ft bgs)	NICKEL (mg/kg)
0.5	29
5	20

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NICKEL CONCENTRATIONS IN SOIL (NOVEMBER 2001, FEBRUARY 2002, & SEPTEMBER 2004)

CT	01/2005
MA	H0287A

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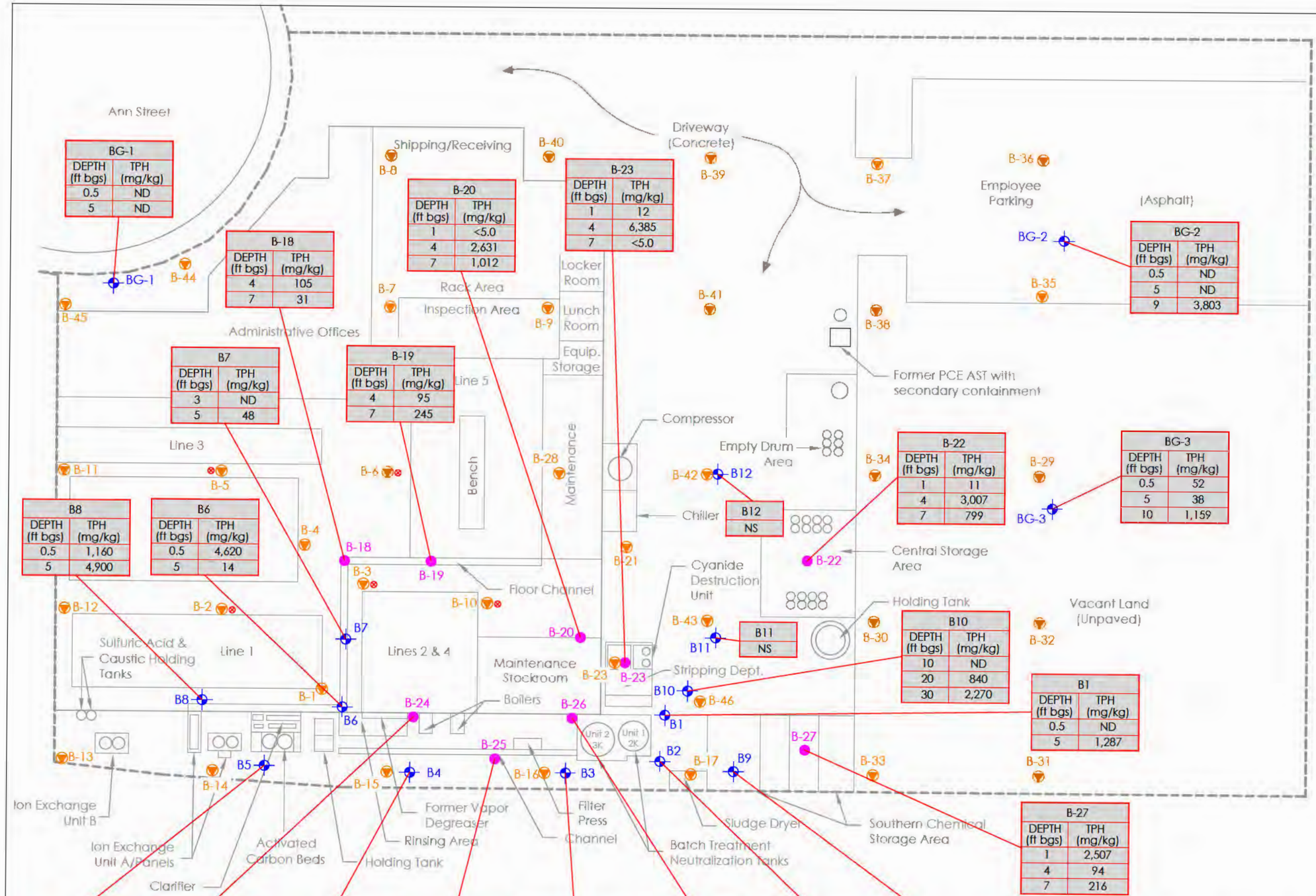

BG-1	
DEPTH (ft bgs)	TPH (mg/kg)
0.5	ND
5	ND

B-18	
DEPTH (ft bgs)	TPH (mg/kg)
4	105
7	31

B-20	
DEPTH (ft bgs)	TPH (mg/kg)
1	<5.0
4	2,631
7	1,012

B-23	
DEPTH (ft bgs)	TPH (mg/kg)
1	12
4	6,385
7	<5.0

BG-2	
DEPTH (ft bgs)	TPH (mg/kg)
0.5	ND
5	ND
9	3,803

B7	
DEPTH (ft bgs)	TPH (mg/kg)
3	ND
5	48

B-19	
DEPTH (ft bgs)	TPH (mg/kg)
4	95
7	245

B-22	
DEPTH (ft bgs)	TPH (mg/kg)
1	11
4	3,007
7	799

BG-3	
DEPTH (ft bgs)	TPH (mg/kg)
0.5	52
5	38
10	1,159

B8	
DEPTH (ft bgs)	TPH (mg/kg)
0.5	1,160
5	4,900

B6	
DEPTH (ft bgs)	TPH (mg/kg)
0.5	4,620
5	14

B12
NS

B11
NS

B10	
DEPTH (ft bgs)	TPH (mg/kg)
10	ND
20	840
30	2,270

B1	
DEPTH (ft bgs)	TPH (mg/kg)
0.5	ND
5	1,287

B-27	
DEPTH (ft bgs)	TPH (mg/kg)
1	2,507
4	94
7	216

B5	
DEPTH (ft bgs)	TPH (mg/kg)
1	7,900
	12,100 (dup)
5	980

B-24	
DEPTH (ft bgs)	TPH (mg/kg)
1	1,020
4	5,639
7	<5.0

B4	
DEPTH (ft bgs)	TPH (mg/kg)
1	ND
5	381

B-25	
DEPTH (ft bgs)	TPH (mg/kg)
1	3,887
4	49
7	2,693

B3	
DEPTH (ft bgs)	TPH (mg/kg)
1.5	2,000
5	ND

B-26	
DEPTH (ft bgs)	TPH (mg/kg)
1	565
4	1,093
7	2,397

B2	
DEPTH (ft bgs)	TPH (mg/kg)
0.5	ND
5	1,360

B9	
DEPTH (ft bgs)	TPH (mg/kg)
0.5	ND
5	7,650

LEGEND

- URS SOIL BOREHOLE LOCATION
- KOMEX SOIL BOREHOLE LOCATION
- SOIL SAMPLE LOCATION FOR METALS ANALYSES
- KOMEX SOIL GAS SAMPLING LOCATION
- <5.0 COMPOUND WAS NOT DETECTED AT SPECIFIED DETECTION LIMIT

NOTES

1) ft bgs = feet below ground surface
2) TPH = total petroleum hydrocarbons
3) mg/kg = milligrams per kilogram
4) dup = duplicate
5) ND = compound not detected
6) NS = not sampled

0 25
Approximate Scale in Feet

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TPH IN SOIL
(NOVEMBER 2001, FEBRUARY 2002, & SEPTEMBER 2004)

CT	01/2005
MA	H0287A

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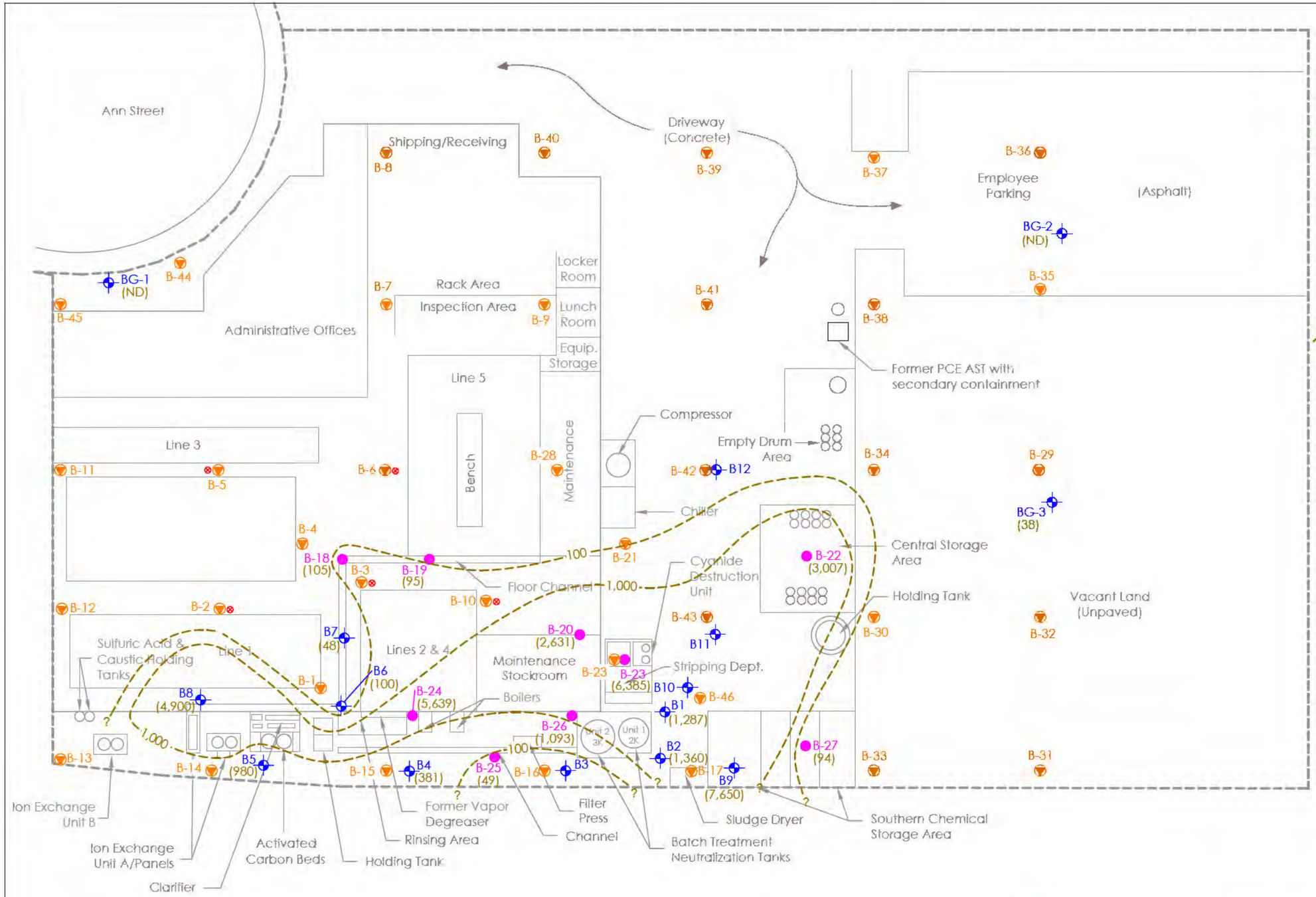

LEGEND

- URS SOIL BOREHOLE LOCATION
- KOMEX SOIL BOREHOLE LOCATION
- SOIL SAMPLE LOCATION FOR METALS ANALYSES
- KOMEX SOIL GAS SAMPLING LOCATION
- <5.0 — TPH WAS NOT DETECTED AT SPECIFIED DETECTION LIMIT
- (38) — TPH CONCENTRATION IN MILLIGRAMS PER KILOGRAM (mg/kg)
- 100 — TPH ISOCONCENTRATION CONTOUR

NOTES

1) bgs = below ground surface
2) TPH = total petroleum hydrocarbons
3) ND = compound not detected
4) NS = not sampled

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TPH IN SOIL AT 4 + 5 FEET BGS (NOVEMBER 2001, FEBRUARY 2002, & SEPTEMBER 2004)

CT	01/2005
MA	H0287A

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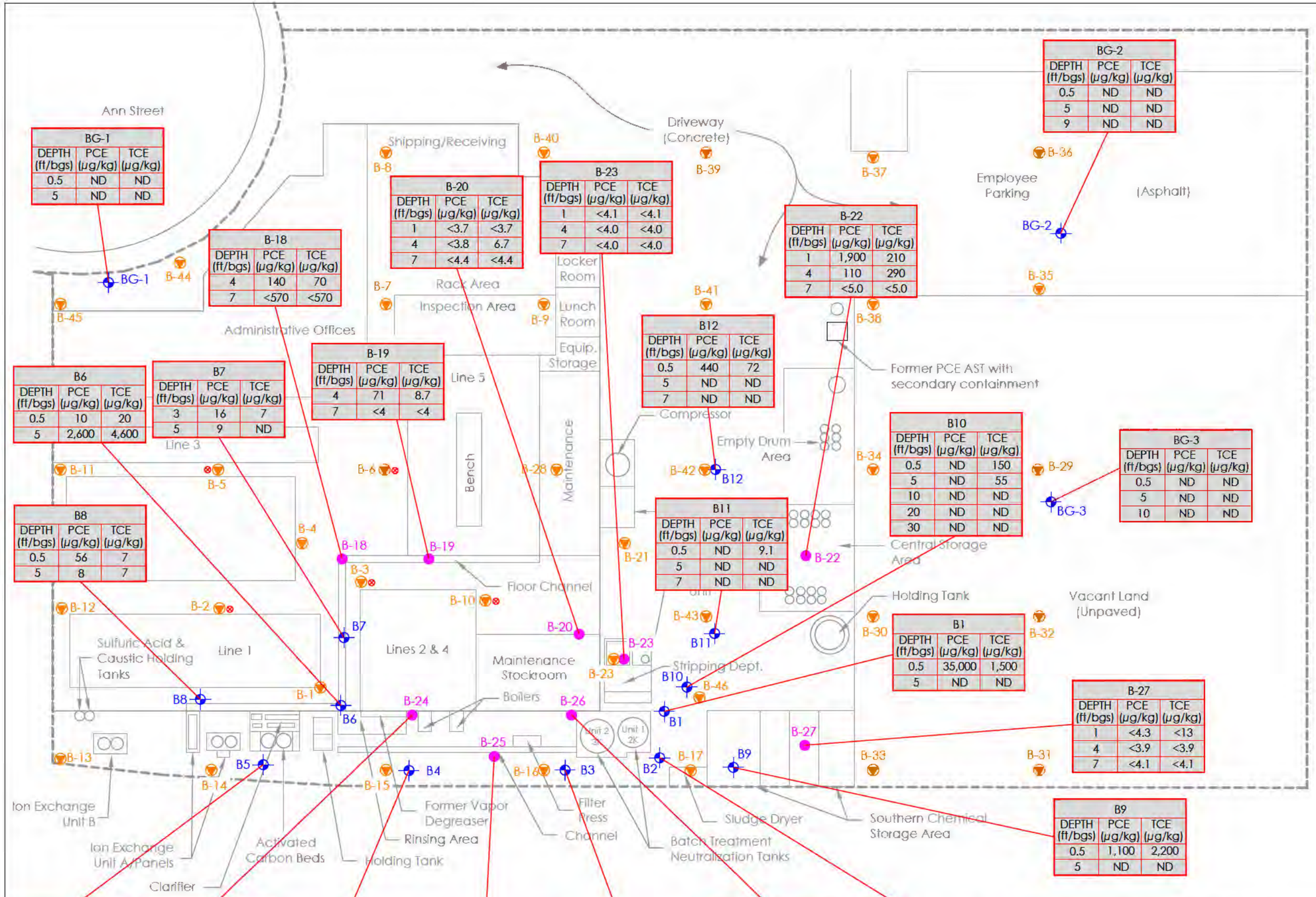


BG-1		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
0.5	ND	ND
5	ND	ND

BG-2		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
0.5	ND	ND
5	ND	ND
9	ND	ND

BG-3		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
0.5	ND	ND
5	ND	ND
10	ND	ND

B1		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
0.5	35,000	1,500
5	ND	ND

B2		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
0.5	4,100	2,800
5	85	12

B3		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
1.5	ND	ND
5	ND	ND

B4		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
1	ND	ND
5	ND	ND

B5		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
3	ND	ND
5	ND	ND

B6		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
0.5	10	20
5	2,600	4,600

B7		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
3	16	7
5	9	ND

B8		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
0.5	56	7
5	8	7

B9		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
0.5	1,100	2,200
5	ND	ND

B10		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
0.5	ND	150
5	ND	55
10	ND	ND
20	ND	ND
30	ND	ND

B11		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
0.5	ND	9.1
5	ND	ND
7	ND	ND

B12		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
0.5	440	72
5	ND	ND
7	ND	ND

B-18		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
4	140	70
7	<570	<570

B-19		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
4	71	8.7
7	<4	<4

B-20		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
1	<3.7	<3.7
4	<3.8	6.7
7	<4.4	<4.4

B-22		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
1	1,900	210
4	110	290
7	<5.0	<5.0

B-23		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
1	<4.1	<4.1
4	<4.0	<4.0
7	<4.0	<4.0

B-24		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
1	1,900	1,900
4	<4.3	11
7	150	32

B-25		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
1	<4.0	<4.0
4	<5.0	<5.0
7	<4.2	<4.2

B-26		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
1	<4.0	<4.0
4	<4.1	<4.1
7	<4.1	<4.1

B-27		
DEPTH (ft/bgs)	PCE (µg/kg)	TCE (µg/kg)
1	<4.3	<13
4	<3.9	<3.9
7	<4.1	<4.1

LEGEND

- URS SOIL BOREHOLE LOCATION
- KOMEX SOIL BOREHOLE LOCATION
- SOIL SAMPLE LOCATION FOR METALS ANALYSES
- KOMEX SOIL GAS SAMPLING LOCATION
- <4.1 COMPOUND WAS NOT DETECTED AT SPECIFIED DETECTION LIMIT

NOTES

1) ft bgs = feet below ground surface
2) PCE = tetrachloroethene
3) TCE = trichloroethene
4) µg/kg = micrograms per kilogram
5) ND = compound not detected

0 25
Approximate Scale in Feet

KOMEX

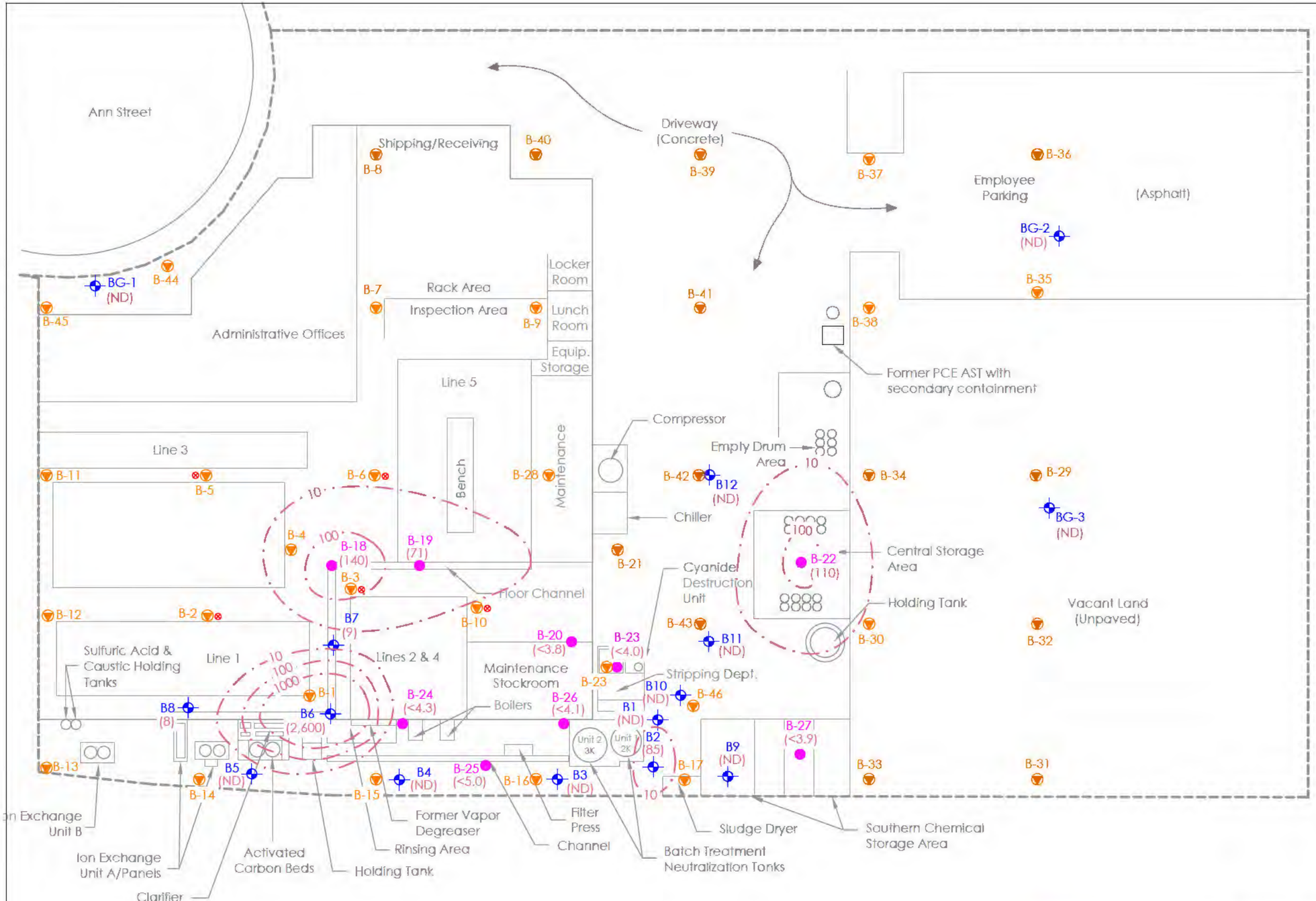
PREPARED SOLELY FOR THE USE OF OUR CLIENT AND NO REPRESENTATION OF ANY KIND IS MADE TO OTHER PARTIES WITH WHICH KOMEX HAS NOT ENTERED INTO A CONTRACT.

ASSOCIATED PLATING COMPANY, 9636 ANN STREET, SANTA FE SPRINGS, CA

PCE & TCE IN SOIL (NOVEMBER 2001, FEBRUARY 2002, & SEPTEMBER 2004)

CT	01/2005
MA	H0287A

13



LEGEND

- URS SOIL BOREHOLE LOCATION
- KOMEX SOIL BOREHOLE LOCATION
- SOIL SAMPLE LOCATION FOR METALS ANALYSES
- KOMEX SOIL GAS SAMPLING LOCATION
- (<4.3) COMPOUND WAS NOT DETECTED AT SPECIFIED DETECTION LIMIT
- (110) COMPOUND CONCENTRATION IN MICROGRAMS PER KILOGRAM (µg/kg)
- 10 PCE ISOCONCENTRATION CONTOUR

NOTES

1) ft bgs = feet below ground surface
2) PCE = tetrachloroethene
3) ND = compound not detected

KOMEX

PREPARED SOLELY FOR THE USE OF OUR CLIENT AND NO REPRESENTATION OF ANY KIND IS MADE TO OTHER PARTIES WITH WHICH KOMEX HAS NOT ENTERED INTO A CONTRACT.

ASSOCIATED PLATING COMPANY, 9636 ANN STREET, SANTA FE SPRINGS, CA

PCE IN SOIL AT 4 TO 5 FT BGS (NOVEMBER 2001, FEBRUARY 2002, & SEPTEMBER 2004)

CT	01/2005
MA	H0287A

14

APPENDIX A – TABLE 3 (URS, 2002)

+C1431.001

URS

SUBSURFACE INVESTIGATION REPORT
ASSOCIATED PLATING COMPANY, INC.
9636 ANN STREET
SANTA FE SPRINGS, CALIFORNIA 90670

APRIL 23, 2002

URS

911 WILSHIRE BLVD
SUITE 800
LOS ANGELES, CALIFORNIA 90017
(213) 996-2200

Table 3
EPA 8015M
Soil Analytical Results
Associated Plating
Santa Fe Springs, CA

Boring	Depth[1]	C6-C10	C10-C28	C28-C40
B1	0.5	ND	ND	ND
	5	97	570	620
B2	0.5	ND	ND	ND
	5	140	640	580
B3	1.5	230	910	860
	5	ND	ND	ND
B4	1	ND	ND	ND
	5	61	140	180
B5	1	1200	4100	2600
B55[2]	1	1700	6200	4200
	5	100	330	550
B6	0.5	520	2100	2000
	5	ND	14	ND
B7	3	ND	ND	ND
	5	23	25	ND
B8	0.5	80	530	550
	5	500	2400	2000
B9	0.5	ND	ND	ND
	5	850	3800	3000
B10	10	ND	ND	ND
	20	410	430	ND
	30	770	1500	ND
BG1	0.5	ND	ND	ND
	5	ND	ND	ND
BG2	0.5	ND	ND	ND
	5	ND	ND	ND
	9	303	1900	1600
	0.5	ND	ND	52
BG3	5	ND	ND	38
	10	89	590	480

[1] all sample depths in feet below ground surface
[2] denotes duplicate of 1-foot sample collected from B5
ND denotes analyte not detected about the laboratory reporting limit
All results in millograms/kilogram (mg/kg)

APPENDIX B – TABLE 4 (URS, 2002)

+C1431.001

URS

SUBSURFACE INVESTIGATION REPORT
ASSOCIATED PLATING COMPANY, INC.
9636 ANN STREET
SANTA FE SPRINGS, CALIFORNIA 90670

APRIL 23, 2002

URS

911 WILSHIRE BLVD
SUITE 800
LOS ANGELES, CALIFORNIA 90017
(213) 996-2200

Table 4
EPA 8260B - BTEX +
Soil Analytical Results
Associated Plating
Santa Fe Springs, CA

Boring	Sample Depth[1]	Benzene	n-Butyl -benzene	sec-Butyl -benzene	tert-Butyl -benzene	Ethyl -benzene	Isopropyl -benzene	p-Isopropyl -toluene	Naph-thalene	n-Propyl -benzene	Toluene	1,3,5-TMB	1,2,4-TMB	o-Xylene	m&p-Xylene
B1	0.5	ND	9	34	6	ND	17	ND	9	14	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	5	ND	ND	30	6	ND	ND	ND	ND	ND
B2	0.5	ND	ND	29	ND	ND	14	ND	ND	16	45	ND	ND	ND	ND
	5	ND	ND	40	ND	290	96	ND	400	150	ND	ND	ND	ND	ND
B3	1.5	ND	9	59	6.6	ND	73	ND	270	130	ND	ND	ND	ND	ND
	5	ND	ND	8.5	ND	ND	21	ND	68	26	ND	ND	ND	ND	ND
B4	1	ND	ND	25	ND	120	48	ND	310	73	ND	ND	ND	ND	ND
	5	ND	ND	17	ND	36	18	ND	150	20	ND	ND	ND	ND	ND
B5	1	ND	13	25	ND	15	12	13	94	14	ND	34	21	ND	ND
B55[2]	1	ND	9.8	21	ND	12	11	8.7	70	10	ND	24	7.9	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	52	ND	ND	ND	ND	ND	ND
B6	0.5	5	43	ND	ND	ND	130	140	58	39	ND	ND	ND	ND	ND
	5	ND	ND	24	ND	120	31	ND	78	40	23	10	22	7	15
B7	3	ND	ND	ND	ND	ND	ND	ND	71	ND	ND	ND	ND	ND	ND
	5	ND	ND	23	ND	7	17	ND	25	13	ND	ND	ND	ND	ND
B8	0.5	ND	ND	18	ND	ND	10	ND	10	5	ND	ND	ND	ND	ND
	5	ND	40	100	ND	460	170	ND	1200	300	ND	ND	ND	ND	ND
B9	0.5	ND	24	31	ND	ND	20	20	ND	31	ND	32	100	ND	ND
	5	ND	ND	31	ND	79	74	ND	360	120	ND	ND	ND	ND	ND
B10	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B210[3]	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	14	ND	78	31	ND	92	45	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
	20	ND	20	26	ND	21	41	36	300	51	ND	95	410	10	230
	30	ND	25	100	ND	ND	210	ND	780	270	ND	ND	ND	ND	ND
B11	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7	12	ND	25	ND	79	75	ND	410	110	ND	ND	ND	ND	ND
B12	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B212[4]	0.5	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
	5	ND	6.9	12	ND	7.7	12	ND	140	12	ND	ND	ND	ND	ND
	7	ND	35	57	8.6	24	51	16	400	57	ND	ND	ND	ND	ND
BG1	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG2	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9	ND	ND	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG3	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10	ND	ND	29	ND	ND	11	ND	77	14	ND	ND	ND	ND	ND

[1] all sample depths in feet below ground surface, [2] denotes duplicate of 1-foot sample collected from B5, [3] denotes duplicate of 0.5-foot sample collected from B10,
[4] denotes duplicate of 0.5-foot sample collected from B12
TMB=Trimethylbenzene
All sample results in micrograms/kilogram (ug/kg), ND denotes analyte not detected about the laboratory reporting limit

APPENDIX C – TABLE 5 (URS, 2002)

+C1935.001

URS

SUBSURFACE INVESTIGATION REPORT
ASSOCIATED PLATING COMPANY, INC.
9636 ANN STREET
SANTA FE SPRINGS, CALIFORNIA 90670

APRIL 23, 2002

URS

911 WILSHIRE BLVD
SUITE 800
LOS ANGELES, CALIFORNIA 90017
(213) 996-2200

Table 5
Soil Analytical Results
Associated Plating
Santa Fe Springs, CA

COMPOUNDS	TITLE 22 METALS - EPA METHOD 6000/7000 (mg/Kg)																			
	B1-0.5'	B1-5'	B2-0.5'	B2-5'	B3-1.5'	B3-5'	B4-1'	B4-5'	B5-1'	B5-5'	B8-0.5'	B8-5'	BG1-0.5'	BG1-5'	BG2-0.5'	BG2-5'	BG2-9'	BG3-0.5'	BG3-5'	BG3-10'
Antimony	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Barium	110	120	160	190	170	110	130	150	170	120	220	110	74	140	77	42	120	92	75	190
Beryllium	<1	<1	<1	<1	1.8	1.1	1.3	1.6	1.7	1.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium	<1	<1	<1	<1	5	3.1	3.7	4.1	4.6	3.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chromium	13	17	15	28	71	44	49	54	66	48	22	15	9	20	9	8	19	15	11	30
Cobalt	11	13	14	17	15	10	12	12	14	11	17	11	8	16	8	5	12	11	10	15
Copper	24	25	39	42	31	23	23	30	31	23	130	20	12	27	15	10	24	20	14	40
Lead	12	13	12	14	25	15	18	20	23	16	15	9	11	16	12	9	12	12	13	19
Mercury	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<.01	<0.1
Molybdenum	2	2	1	2	<1	<1	<1	<1	<1	<1	2	1	1	2	1	1	2	2	2	2
Nickel	14	12	29	20	29	20	22	25	28	22	20	12	8	16	9	7	13	13	11	19
Selenium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Silver	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Thallium	<2	<2	<2	<2	27	13	19	20	25	15	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Vanadium	21	33	28	47	61	36	42	48	61	42	38	23	13	43	13	9	32	20	12	47
Zinc	14	16	33	36	50	73	32	43	47	30	26	15	8	18	30	6	17	23	10	31

Note :

1. mg/Kg = milligrams per kilogram

APPENDIX D – TABLE 2 (URS, 2002)

+C1931.001

URS

SUBSURFACE INVESTIGATION REPORT
ASSOCIATED PLATING COMPANY, INC.
9636 ANN STREET
SANTA FE SPRINGS, CALIFORNIA 90670

APRIL 23, 2002

URS

911 WILSHIRE BLVD
SUITE 800
LOS ANGELES, CALIFORNIA 90017
(213) 996-2200

Table 2
EPA 8260B - CVOCs
Soil Analytical Results
Associated Plating
Santa Fe Springs, CA

Boring	Sample Depth[1]	PCE	TCE	1,1,2,2-TTCA	cis-1,2-DCE	trans-1,2-DCE	1,1-DCE	1,1-DCA	VC	BDCM	Chloroform
B1	0.5	35000	1500	ND	980	220	ND	ND	18	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B2	0.5	4100	2800	ND	820	240	16	ND	110	ND	ND
	5	85	12	ND	210	320	ND	30	2000	ND	ND
B3	1.5	ND	ND	17	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	5.3	ND	ND	ND	ND	ND	ND
B4	1	ND	ND	ND	310	47	ND	ND	ND	ND	ND
	5	ND	ND	ND	100	13	ND	ND	ND	ND	ND
B5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B55[2]	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B6	0.5	10	20	ND	4200	1100	50	120	20	ND	ND
	5	2600	4600	ND	4100	880	90	160	20	ND	ND
B7	3	16	7	ND	ND	ND	ND	ND	ND	ND	ND
	5	9	ND	ND	ND	ND	ND	ND	ND	ND	ND
B8	0.5	56	7	ND	ND	ND	ND	ND	ND	ND	ND
	5	8	7	ND	6	ND	ND	ND	ND	ND	ND
B9	0.5	1100	2200	ND	880	400	ND	ND	ND	ND	ND
	5	8	ND	ND	450	110	ND	ND	ND	ND	ND
B10	0.5	ND	96	ND	250	22	ND	ND	ND	ND	ND
B210[3]	0.5	ND	150	ND	350	28	ND	ND	ND	6.1	6.0
	5	ND	55	ND	280	39	ND	18	300	ND	ND
	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	20	ND	ND	ND	6.1	ND	ND	ND	7.6	ND	ND
	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B11	0.5	ND	9.1	ND	72	5.2	ND	ND	54	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	67	ND	ND
	7	ND	ND	ND	47	ND	ND	ND	ND	ND	ND
B12	0.5	430	72	ND	22	ND	ND	ND	ND	ND	ND
B212[4]	0.5	440	63	ND	20	ND	ND	ND	ND	ND	ND
	5	ND	ND	11	420	150	ND	ND	ND	ND	ND
	7	ND	ND	ND	300	150	ND	ND	ND	ND	ND
BG1	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG2	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BG3	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

[1] all sample depths in feet below ground surface, [2] denotes duplicate of 1-foot sample collected from B5, [3] denotes duplicate of 0.5-foot sample collected from B10, [4] denotes duplicate of 0.5-foot sample collected from B12

PCE=Tetrachloroethene, TCE=Trichloroethene, TTCA=Tetrachloroethane, DCE=Dichloroethene, DCA=Dichloroethane, VC=Vinyl Chloride, BDCM=Bromodichloromethane

All sample results in micrograms/kilogram (ug/kg), ND denotes analyte not detected about the laboratory reporting limit

APPENDIX E –FIGURE 4 (EPA, 2002)

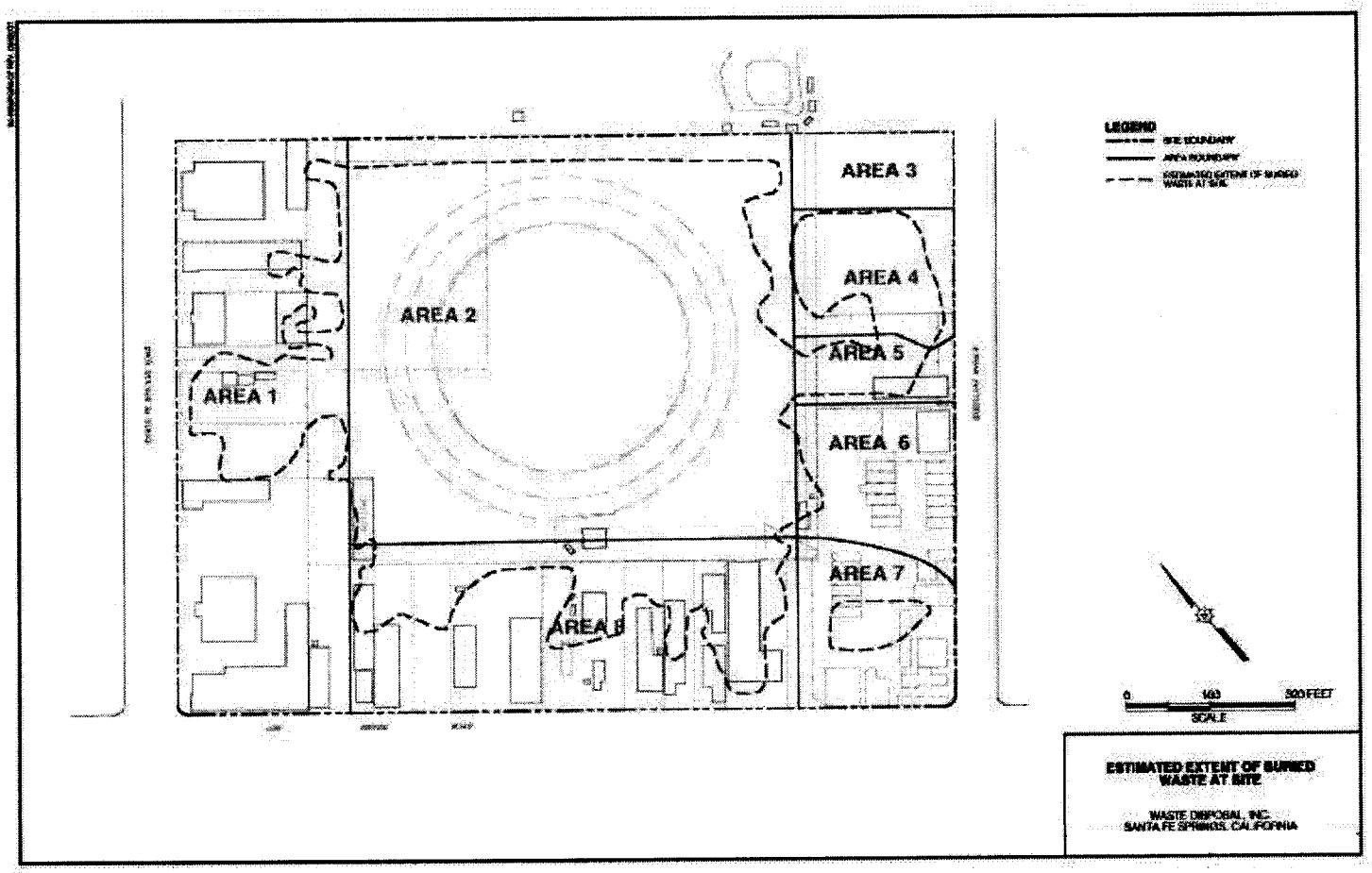
WASTE DISPOSAL, INC.

AMENDED RECORD OF DECISION

June 2002

Waste Disposal, Inc. Superfund Site
Santa Fe Springs, California 90670

United States Environmental Protection Agency
Region 9 - San Francisco, California



WASTE DISPOSAL, INC.

AMENDED RECORD OF DECISION

Figure 4
Extent of Buried Waste

APPENDIX F –FIGURE 11 (CLAYTON, 1997)

OMEGA CHEMICAL SUPERFUND SITE
WHITTIER, CALIFORNIA

PHASE I GROUNDWATER CHARACTERIZATION STUDY

Contract No.: DACA45-98-D-0004
Task Order No.: 0009

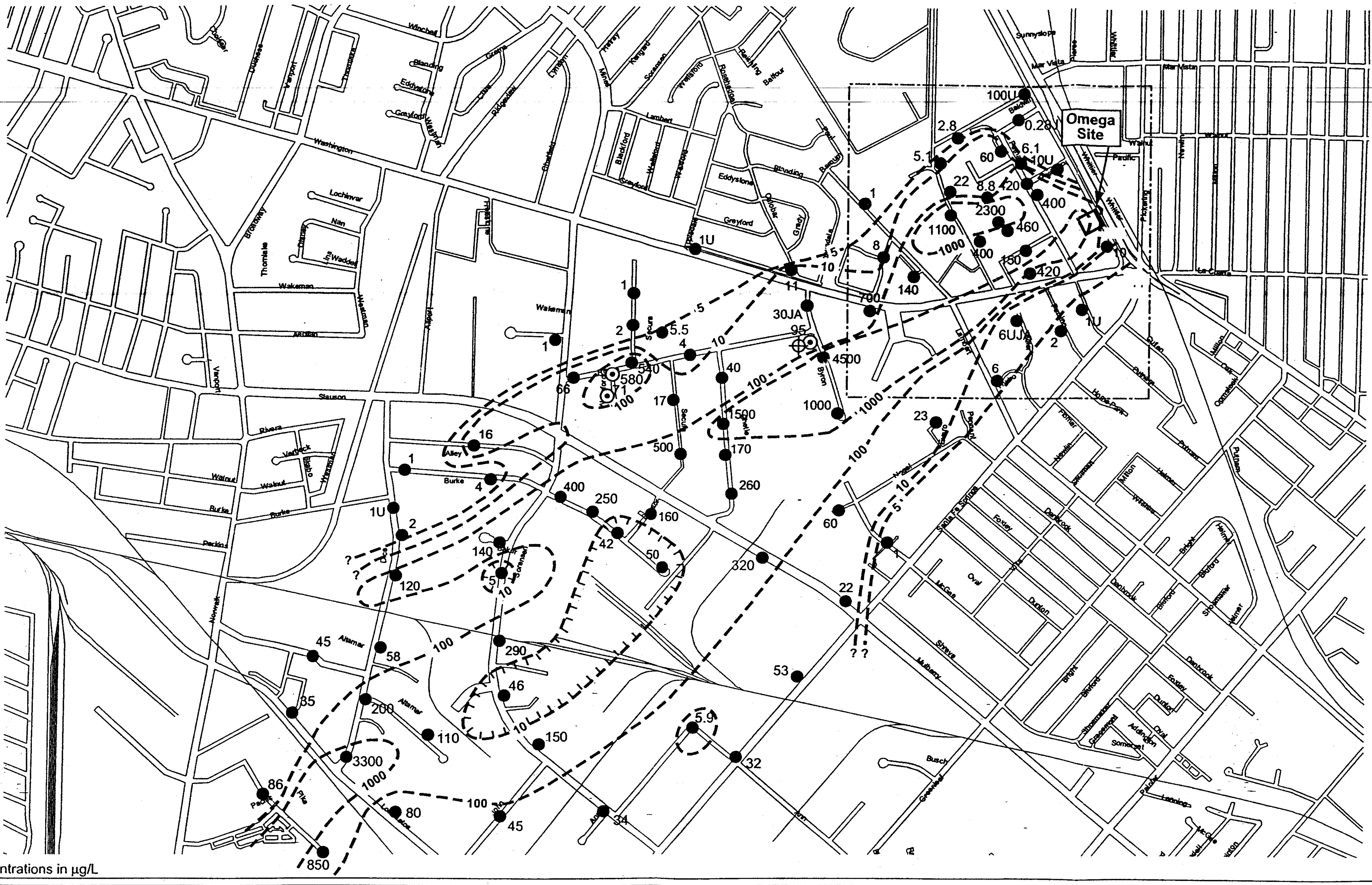
February 2002

Prepared for:

U.S. Environmental Protection Agency
Region IX

Prepared by:

Roy F. Weston, Inc.
Suite 1000
14724 Ventura Boulevard
Sherman Oaks, CA 91403-3501



Note: PCE concentrations in µg/L

0 450 900
Scale in Feet

WESTON
MANAGERS DESIGNERS/CONSULTANTS

— 10 — PCE Isoconcentration
● CPT Location and PCE Concentration
◉ Historical CPT Location and PCE Concentration
⊕ Existing Monitoring Wells and PCE Concentration
⬚ Expanded Area Shown in Figure 12

Groundwater PCE Concentrations
Omega Superfund Site

Figure
11

02-0132 Fig11.ai

APPENDIX G-WASTE MANIFEST

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD043079110 — Manifest Document No.: 78849
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ASSOCIATED PLATING CO., INC.
9636 ANN STREET
SANTA FE SPRINGS, CA 90670

4. Generator's Phone (562) 946-5525

[redacted] 28778849

5. Transporter 1 Company Name: ISLAND ENVIRONMENTAL SERVICES
6. US EPA ID Number: CAR000053405

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
U.S. FILTER RECOVERY SERVICES
5373 S. BOYLE AVE.
LOS ANGELES, CA 90058

10. US EPA ID Number: CAD097030993

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON RCRA HAZARDOUS WASTE SOLID, ([redacted], COPPER, NICKEL)	001	DM	00250	P
b.				
c.				
d.				

[redacted]

15. Special Handling Instructions and Additional Information
NEAR PROPERTY YEAR. 24 HOUR PHONE FX-6: Personal Privacy [redacted]
CLIENT: KOMEX-H2O SCIENCE
BILL TO: ISLAND ENVIRONMENTAL
W.O. #044758 JOB SITE: 9636 ANN STREET. SANTA FE SPRINGS, CA 90670

RS32442
D59171

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	11	30	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible] 1710 Ave 615	A 1304 1315	11	02	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Marcos Mendoza	[signature]	12	10	04

DO NOT WRITE BELOW THIS LINE.

[signature] 12/10/04

Green: TRANSPORTER RETAINS

DTSC 8022A (1/99)
EPA 8700—22

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

23110043

DEC 10 '04 PM 1:01

APPENDIX H –BOREHOLE LOGS

KOMEX

Key to Log of Borehole

APC

9636 Ann Street, Santa Fe Springs, CA

Project No. H0287B080

Depth, feet	Sample Number	(■ = retained) Sample Type	Sample Time	PID, ppm	Remarks	Graphic Log	USCS Soil Classification	Geologic Description
1	2	3	4	5	6	7	8	9

COLUMN DESCRIPTIONS

1 **Depth:** Depth in feet below the ground surface.

2 **Sample Number:** Sample identification number; associated with a darkened box on the right side of the column indicating the portion of a sample retained for chemical or physical (soil properties) testing.

3 **Sample Type:** Type of sample collected at depth interval shown; sampler symbols are explained below.

4 **Sample Time:** Time in 24-hour clock at which sample was collected.

5 **PID, ppm:** Photo-ionization device (PID) field sample headspace reading (in parts per million).

6 **Remarks:** Comments and observations regarding drilling or sampling made by driller or Komex field personnel.

7 **Graphic Log:** Graphic depiction of subsurface material encountered; typical symbols are explained below.

8 **USCS Soil Classification:** Unified Soil Classification System (USCS) group symbol for indicated stratum; group symbol may be generalized across minor layers and lenses.

9 **Geologic Description:** Description of material encountered; may include color, moisture, grain size, and density/consistency.

TYPICAL SOIL GRAPHIC SYMBOLS

Poorly Graded SAND (SP)

Well-Graded SAND (SW)

SAND with silt (SW-SM)

Silty SAND (SM)

Lean CLAY (CL)

Fat CLAY (CH)

Silty CLAY (CL)

Clayey SAND (SC)

SILT (ML)

SILT (MH)

Clayey SILT (ML)

GRAVEL (GP/GW)

TYPICAL SAMPLER GRAPHIC SYMBOLS

Geoprobe continuous soil core

6-inch-long brass ring for hand auger sampling

California medified split berrel sampler

OTHER GRAPHIC SYMBOLS

First water encountered at time of drilling

Static water level measured at specified time

Change in material properties within a soil stratum

Inferred contact betweon soil strata or gradational change in lithology

GENERAL NOTES

1. Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive; actual litholegic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
2. Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

Log of Borehole B-2

APC
9636 Ann Street, Santa Fe Springs, CA
Project No. H0287B080

KOMEX

Date(s) Drilled:	**9/8/04**	Borehole Location:	**Refer to site map**
Drilling Method:	**Direct Push**	Ground Surface Elevation:	**Not available**
Drilling Contractor:	**H & P Drilling**	Initial Water Level:	**Not encountered**
Sampling Method:	**Geoprobe continuous soil core (2 inches OD)**	Borehole Backfill:	**Granular bentonite**
Geologist: **L. Paprocki**	Reviewer: **M. Ausburn**	Total Borehole Depth:	**7 feet**

Depth, feet	Sample Number	(■ = retained) Sample Type	Sample Time	PID, ppm	Remarks	Graphic Log	USCS Soil Classification	Geologic Description
0								Concrete 6 inches thick
1	B2-90804-1-1	■	09:40	>3956			ML	Sandy SILT, brown, slightly moist
2							ML	Clayey SILT, gray, trace of sand, moist
3								
4	B2-90804-2-4	■	09:50	>3969				
5								
6								
7	B2-90804-3-7	■	10:00	>3969				**Borehole terminated at 7 feet bgs; refusal on concrete pad.**
8								
9								
10								
11								
12								
13								
14								
15								

SOIL_LOG APCSANFE.GPJ KO_WELL.GDT 10/8/04

Log of Borehole B-3

APC
9636 Ann Street, Santa Fe Springs, CA
Project No. H0287B080

KOMEX

Date(s) Drilled:	**9/8/04**	Borehole Location:	**Refer to site map**
Drilling Method:	**Direct Push**	Ground Surface Elevation:	**Not available**
Drilling Contractor:	**H & P Drilling**	Initial Water Level:	**Not encountered**
Sampling Method:	**Geoprobe continuous soil core (2 inches OD)**	Borehole Backfill:	**Granular bentonite**
Geologist: **L. Paprocki**	Reviewer: **M. Ausburn**	Total Borehole Depth:	**7 feet**

Depth, feet	Sample Number	(■ = retained) Sample Type	Sample Time	PID, ppm	Remarks	Graphic Log	USCS Soil Classification	Geologic Description
0								Concrete 6 inches thick
1	B3-90804-1-1	■	11:40	>3956			ML	Sandy SILT with some clay, brown to gray, slightly moist
2								
3	B3-90804-2-4	■	11:50	>3856				
4								
5							ML	Clayey SILT with some sand, gray, slightly moist
6	B3-90804-3-7	■	12:00	>3956				
7								**Borehole terminated at 7 feet bgs; refusal on concrete pad.**
8								
9								
10								
11								
12								
13								
14								
15								

SOIL_LOG APCSANFE.GPJ KO_WELL.GDT 10/8/04

Log of Borehole B-5

APC
9636 Ann Street, Santa Fe Springs, CA
Project No. H0287B080

KOMEX

Date(s) Drilled:	**9/8/04**	Borehole Location:	**Refer to site map**
Drilling Method:	**Direct Push**	Ground Surface Elevation:	**Not available**
Drilling Contractor:	**H & P Drilling**	Initial Water Level:	**Not encountered**
Sampling Method:	**Geoprobe continuous soil core (2 inches OD)**	Borehole Backfill:	**Granular bentonite**
Geologist: **L. Paprocki**	Reviewer: **M. Ausburn**	Total Borehole Depth:	**7 feet**

Depth, feet	Sample Number	(■ = retained) Sample Type	Sample Time	PID, ppm	Remarks	Graphic Log	USCS Soil Classification	Geologic Description
0								Concrete 6 inches thick
1	B5-90804-1-1	■	08:40	3200			ML	Sandy SILT, brown, trace of clay, moist
2								
3	B5-90804-2-4	■	08:50	2318				
4							ML	Clayey SILT, dark gray, trace of sand, moist
5								
6	B5-90804-3-7	■	09:05	2576				
7								**Borehole terminated at 7 feet bgs; refusal on concrete pad.**
8								
9								
10								
11								
12								
13								
14								
15								

SOIL_LOG APCSANFE.GPJ KO_WELL.GDT 10/8/04

Log of Borehole B-6

APC
9636 Ann Street, Santa Fe Springs, CA
Project No. H0287B080

KOMEX

Date(s) Drilled:	**9/8/04**	Borehole Location:	**Refer to site map**
Drilling Method:	**Direct Push**	Ground Surface Elevation:	**Not available**
Drilling Contractor:	**H & P Drilling**	Initial Water Level:	**Not encountered**
Sampling Method:	**Geoprobe continuous soil core (2 inches OD)**	Borehole Backfill:	**Granular bentonite**
Geologist: **L. Paprocki**	Reviewer: **M. Ausburn**	Total Borehole Depth:	**7 feet**

Depth, feet	Sample Number	(■ = retained) Sample Type	Sample Time	PID, ppm	Remarks	Graphic Log	USCS Soil Classification	Geologic Description
0								Concrete 6 inches thick
1	B6-90804-1-1	■	09:15	1614			ML	Sandy SILT, brown, slightly moist
2							ML	Clayey SILT, gray, medium plasticity, trace of sand, slightly moist
3	B6-90804-2-4	■	09:20	>3932				
4								
5								
6	B6-90804-3-7	■	09:30	674				
7								**Borehole terminated at 7 feet bgs; refusal on concrete pad.**
8								
9								
10								
11								
12								
13								
14								
15								

SOIL_LOG APCSANFE.GPJ KO_WELL.GDT 10/8/04

Log of Borehole B-10

APC
9636 Ann Street, Santa Fe Springs, CA
Project No. H0287B080

KOMEX

Date(s) Drilled:	**9/8/04**	Borehole Location:	**Refer to site map**
Drilling Method:	**Direct Push**	Ground Surface Elevation:	**Not available**
Drilling Contractor:	**H & P Drilling**	Initial Water Level:	**Not encountered**
Sampling Method:	**Geoprobe continuous soil core (2 inches OD)**	Borehole Backfill:	**Granular bentonite**
Geologist: **L. Paprocki**	Reviewer: **M. Ausburn**	Total Borehole Depth:	**7 feet**

Depth, feet	Sample Number	(■ = retained) Sample Type	Sample Time	PID, ppm	Remarks	Graphic Log	USCS Soil Classification	Geologic Description
0								Concrete 6 inches thick
1	B10-90804-1-1	■	10:40	>3815			ML	Sandy SILT, brown, trace of gravel, moist
2								
3	B10-90804-2-4	■	10:50	>3815				
4								Becomes gray; hydrocarbon odor
5								
6	B10-90804-3-7	■	11:00	>3844				
7								**Borehole terminated at 7 feet bgs; refusal on concrete pad.**
8								
9								
10								
11								
12								
13								
14								
15								

SOIL_LOG APCSANFE.GPJ KO_WELL.GDT 10/8/04

Log of Borehole B-18

APC
9636 Ann Street, Santa Fe Springs, CA
Project No. H0287B080

KOMEX

Date(s) Drilled:	**9/7/04**	Borehole Location:	**Refer to site map**
Drilling Method:	**Direct Push**	Ground Surface Elevation:	**Not available**
Drilling Contractor:	**H & P Drilling**	Initial Water Level:	**3 feet bgs**
Sampling Method:	**Geoprobe continuous soil core (2 inches OD)**	Borehole Backfill:	**Granular bentonite**
Geologist: **L. Paprocki**	Reviewer: **M. Ausburn**	Total Borehole Depth:	**7 feet**

Depth, feet	Sample Number	(■ = retained) Sample Type	Sample Time	PID, ppm	Remarks	Graphic Log	USCS Soil Classification	Geologic Description
0								Open trench between top of floor (0 depth) and second concrete layer
3								Concrete 2 inches thick
	B18-90704-1-4		17:00	485	Water was at 3 ft bgs during drilling.		ML	Clayey SILT, brown grading to gray, very moist, hydrocarbon odor
6	B18-90704-2-7		17:15	420				
7								**Borehole terminated at 7 feet bgs; refusal on concrete pad.**

SOIL_LOG APCSANFE.GPJ KO_WELL.GDT 10/8/04

Log of Borehole B-19

APC
9636 Ann Street, Santa Fe Springs, CA
Project No. H0287B080

KOMEX

Date(s) Drilled:	**9/7/04**	Borehole Location:	**Refer to site map**
Drilling Method:	**Direct Push**	Ground Surface Elevation:	**Not available**
Drilling Contractor:	**H & P Drilling**	Initial Water Level:	**Not encountered**
Sampling Method:	**Geoprobe continuous soil core (2 inches OD)**	Borehole Backfill:	**Granular bentonite**
Geologist: **L. Paprocki**	Reviewer: **M. Ausburn**	Total Borehole Depth:	**7 feet**

Depth, feet	Sample Number	(■ = retained) Sample Type	Sample Time	PID, ppm	Remarks	Graphic Log	USCS Soil Classification	Geologic Description
0								Open trench between top of floor (0 depth) and second concrete layer
1								
2								
3								Concrete 2 inches thick
	B19-90704-1-4		17:30	419			ML	Sandy SILT with some clay, gray, very moist
4								
5								
6								
	B19-90704-2-7		17:45	342				
7								**Borehole terminated at 7 feet bgs; refusal on concrete pad.**
8								
9								
10								
11								
12								
13								
14								
15								

SOIL_LOG APCSANFE.GPJ KO_WELL.GDT 10/8/04

Log of Borehole B-20

APC
9636 Ann Street, Santa Fe Springs, CA
Project No. H0287B080

KOMEX

Date(s) Drilled:	**9/8/04**	Borehole Location:	**Refer to site map**
Drilling Method:	**Direct Push**	Ground Surface Elevation:	**Not available**
Drilling Contractor:	**H & P Drilling**	Initial Water Level:	**Not encountered**
Sampling Method:	**Geoprobe continuous soil core (1 inch OD)**	Borehole Backfill:	**Granular bentonite**
Geologist: **L. Paprocki**	Reviewer: **M. Ausburn**	Total Borehole Depth:	**7 feet**

Depth, feet	Sample Number	(■ = retained) Sample Type	Sample Time	PID, ppm	Remarks	Graphic Log	USCS Soil Classification	Geologic Description
0								Concrete 6 inches thick
1	B20-90804-1-1	■	10:10	>3941			ML	Sandy SILT, brown, slightly moist
2							ML	Clayey SILT, gray, trace of sand, moist
3	B20-90804-2-4	■	10:20	>3905				
4								Increasing clay content with depth
5								
6	B20-90804-3-7	■	10:30	>3912			CL	Silty CLAY, gray, medium plasticity, moist
7								**Borehole terminated at 7 feet bgs; refusal on concrete pad.**
8								
9								
10								
11								
12								
13								
14								
15								

SOIL_LOG APCSANFE.GPJ KO_WELL.GDT 10/8/04

Log of Borehole B-22

APC
9636 Ann Street, Santa Fe Springs, CA
Project No. H0287B080

KOMEX

Date(s) Drilled:	**9/8/04**	Borehole Location:	**Refer to site map**
Drilling Method:	**Direct Push**	Ground Surface Elevation:	**Not available**
Drilling Contractor:	**H & P Drilling**	Initial Water Level:	**Not encountered**
Sampling Method:	**Geoprobe continuous soil core (2 inches OD)**	Borehole Backfill:	**Granular bentonite**
Geologist: **L. Paprocki**	Reviewer: **M. Ausburn**	Total Borehole Depth:	**6.8 feet**

Depth, feet	Sample Number	(■ = retained) Sample Type	Sample Time	PID, ppm	Remarks	Graphic Log	USCS Soil Classification	Geologic Description
0								Concrete 6 inches thick
1	B22-90804-1-1	■	11:10	>3967			ML	Clayey SILT, brown, trace of sand, moist
2								
3	B22-90804-2-4	■	11:20	>3919			ML	Clayey SILT, gray, moist
4								Increasing sand content with depth
5							ML	Sandy SILT, gray, very moist
6	B22-90804-3-7	■	11:30	>3990				
7								**Borehole terminated at 6.8 feet bgs; refusal on concrete pad.**
8								
9								
10								
11								
12								
13								
14								
15								

SOIL_LOG APCSANFE.GPJ KO_WELL.GDT 10/8/04

Log of Borehole B-23

APC
9636 Ann Street, Santa Fe Springs, CA
Project No. H0287B080

KOMEX

Date(s) Drilled:	**9/8/04**	Borehole Location:	**Refer to site map**
Drilling Method:	**Direct Push**	Ground Surface Elevation:	**Not available**
Drilling Contractor:	**H & P Drilling**	Initial Water Level:	**Not encountered**
Sampling Method:	**Geoprobe continuous soil core (2 inches OD)**	Borehole Backfill:	**Granular bentonite**
Geologist: **L. Paprocki**	Reviewer: **M. Ausburn**	Total Borehole Depth:	**7 feet**

Depth, feet	Sample Number	(■ = retained) Sample Type	Sample Time	PID, ppm	Remarks	Graphic Log	USCS Soil Classification	Geologic Description
0								Concrete 6 inches thick
1	B23-90804-1-1		13:30	>3998			ML	Clayey SILT, gray, some roots, moist
2								
3	B23-90804-2-4		13:40	>3997				
4								
5								
6	B23-90804-3-7		13:50	>3997				
7								**Borehole terminated at 7 feet bgs; refusal on concrete pad.**
8								
9								
10								
11								
12								
13								
14								
15								

SOIL_LOG APCSANFE.GPJ KO_WELL.GDT 10/8/04

Log of Borehole B-24

APC
9636 Ann Street, Santa Fe Springs, CA
Project No. H0287B080

KOMEX

Date(s) Drilled:	**9/8/04**	Borehole Location:	**Refer to site map**
Drilling Method:	**Direct Push**	Ground Surface Elevation:	**Not available**
Drilling Contractor:	**H & P Drilling**	Initial Water Level:	**Not encountered**
Sampling Method:	**Geoprobe continuous soil core (2 inches OD)**	Borehole Backfill:	**Granular bentonite**
Geologist: **L. Paprocki**	Reviewer: **M. Ausburn**	Total Borehole Depth:	**7 feet**

Depth, feet	Sample Number	(■ = retained) Sample Type	Sample Time	PID, ppm	Remarks	Graphic Log	USCS Soil Classification	Geologic Description
0								Concrete 6 inches thick
1	B24-90804-1-1		14:00	>3995			ML	Clayey SILT, gray, trace of sand, slightly moist
2								
3	B24-90804-2-4		14:10	2122				
4								Increasing moisture content with depth
5								
6	B24-90804-3-7		14:20	>3111				Becomes very moist
7								**Borehole terminated at 7 feet bgs; refusal on concrete pad.**
8								
9								
10								
11								
12								
13								
14								
15								

SOIL_LOG APCSANFE.GPJ KO_WELL.GDT 10/8/04

Log of Borehole B-25

APC
9636 Ann Street, Santa Fe Springs, CA
Project No. H0287B080

KOMEX

Date(s) Drilled:	**9/8/04**	Borehole Location:	**Refer to site map**
Drilling Method:	**Direct Push**	Ground Surface Elevation:	**Not available**
Drilling Contractor:	**H & P Drilling**	Initial Water Level:	**Not encountered**
Sampling Method:	**Geoprobe continuous soil core (2 inches OD)**	Borehole Backfill:	**Granular bentonite**
Geologist: **L. Paprocki**	Reviewer: **M. Ausburn**	Total Borehole Depth:	**7 feet**

Depth, feet	Sample Number	(▬ = retained) Sample Type	Sample Time	PID, ppm	Remarks	Graphic Log	USCS Soil Classification	Geologic Description
0								Concrete 2 feet thick
2	B25-90804-1-2		14:30	>3998			ML	Clayey SILT, gray, trace of sand, moist
4	B25-90804-2-4		14:40	>3996				
6	B25-90804-3-7		14:50	1052				Becomes very moist
7								**Borehole terminated at 7 feet bgs; refusal on concrete pad.**

SOIL_LOG APCSANFE.GPJ KO_WELL.GDT 10/8/04

Log of Borehole B-26

APC
9636 Ann Street, Santa Fe Springs, CA
Project No. H0287B080

KOMEX

Date(s) Drilled:	**9/8/04**	Borehole Location:	**Refer to site map**
Drilling Method:	**Direct Push**	Ground Surface Elevation:	**Not available**
Drilling Contractor:	**H & P Drilling**	Initial Water Level:	**Not encountered**
Sampling Method:	**Geoprobe continuous soil core (2 inches OD)**	Borehole Backfill:	**Granular bentonite**
Geologist: **L. Paprocki**	Reviewer: **M. Ausburn**	Total Borehole Depth:	**7 feet**

Depth, feet	Sample Number	(■ = retained) Sample Type	Sample Time	PID, ppm	Remarks	Graphic Log	USCS Soil Classification	Geologic Description
0								Concrete 6 inches thick
1	B26-90804-1-1		15:00	>3989			ML	Clayey SILT, gray, slightly moist
2								
3	B26-90804-2-4		15:10	>3984				Moisture content increases with depth to very moist
4								
5								
6	B26-90804-3-7		15:20	>3987			ML	Sandy SILT, gray, very moist
7								**Borehole terminated at 7 feet bgs; refusal on concrete pad.**
8								
9								
10								
11								
12								
13								
14								
15								

SOIL_LOG APCSANFE.GPJ KO_WELL.GDT 10/8/04

Log of Borehole B-27

APC
9636 Ann Street, Santa Fe Springs, CA
Project No. H0287B080

KOMEX

Date(s) Drilled:	**9/8/04**	Borehole Location:	**Refer to site map**
Drilling Method:	**Direct Push**	Ground Surface Elevation:	**Not available**
Drilling Contractor:	**H & P Drilling**	Initial Water Level:	**Not encountered**
Sampling Method:	**Geoprobe continuous soil core (2 inches OD)**	Borehole Backfill:	**Granular bentonite**
Geologist: **L. Paprocki**	Reviewer: **M. Ausburn**	Total Borehole Depth:	**7 feet**

Depth, feet	Sample Number	(■ = retained) Sample Type	Sample Time	PID, ppm	Remarks	Graphic Log	USCS Soil Classification	Geologic Description
0								Concrete 6 inches thick
							ML	Clayey SILT, gray, medium plasticity, slightly moist
1	B27-90804-1-1	■	15:30	>3995				
2								
3								
	B27-90804-2-4	■	15:40	>3999				
4								
5								
6								Becomes very moist
	B27-90804-3-7	■	15:50	>3984				
7								**Borehole terminated at 7 feet bgs; refusal on concrete pad.**
8								
9								
10								
11								
12								
13								
14								
15								

SOIL_LOG APCSANFE.GPJ KO_WELL.GDT 10/8/04

APPENDIX I –LABORATORY ANALYTICAL DATA

MOBILE GEOCHEMISTRY

H&P

01 October 2004

RECEIVED
OCT 04 2004
By

Ms. Lee Paprocki
Komex
5455 Garden Grove Blvd, Second Floor
Westminster, CA 92683-8201

RE: KX090704-SB1

Enclosed are the results of analyses for samples received by the laboratory on 9/7/2004 -9/13/2004 . If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tamara Davis
Laboratory Director

H&P Mobile Geochemistry mobile labs operate under CA Environmental Lab Accreditation Program Numbers 1561, 2088, 2278 and 2530.

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760 735.2469
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MOBILE GEOCHEMISTRY
H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-B1-5, pv 12mL	M409002-01	Vapor	07-Sep-04	07-Sep-04
SV-B1-5, pv 36mL	M409002-02	Vapor	07-Sep-04	07-Sep-04
SV-B1-5, pv 84mL	M409002-03	Vapor	07-Sep-04	07-Sep-04
SV-B3-5, pv 12mL	M409003-01	Vapor	09-Sep-04	09-Sep-04
SV-B4-5, pv 12mL	M409003-02	Vapor	09-Sep-04	09-Sep-04
SV-B10-5, pv 12mL	M409003-03	Vapor	09-Sep-04	09-Sep-04
SV-B6-5, pv 12mL	M409003-04	Vapor	09-Sep-04	09-Sep-04
SV-B5-5, pv 12mL	M409003-05	Vapor	09-Sep-04	09-Sep-04
SV-B11-5, pv 12mL	M409003-06	Vapor	09-Sep-04	09-Sep-04
SV-B2-5, pv 12mL	M409003-07	Vapor	09-Sep-04	09-Sep-04
SV-B12-5, pv 12mL	M409003-08	Vapor	09-Sep-04	09-Sep-04
SV-B1-5, pv 12mL	M409003-09	Vapor	09-Sep-04	09-Sep-04
SV-B13-5, pv 12mL	M409003-10	Vapor	09-Sep-04	09-Sep-04
SV-B14-5, pv 12mL	M409003-11	Vapor	09-Sep-04	09-Sep-04
SV-B15-5, pv 12mL	M409003-12	Vapor	09-Sep-04	09-Sep-04
SV-B16-5, pv 12mL	M409003-13	Vapor	09-Sep-04	09-Sep-04
SV-B17-5, pv 12mL	M409003-14	Vapor	09-Sep-04	09-Sep-04
SV-B28-5, pv 12mL	M409003-15	Vapor	09-Sep-04	09-Sep-04
SV-B6-5, pv 12mL (new vapor probe)	M409003-16	Vapor	09-Sep-04	09-Sep-04
SV-B6-5, pv 72mL (duplicate)	M409003-17	Vapor	09-Sep-04	09-Sep-04
SV-B7-5, pv 12mL	M409003-18	Vapor	09-Sep-04	09-Sep-04
SV-B8-5, pv 12mL	M409003-19	Vapor	09-Sep-04	09-Sep-04
SV-B9-5, pv 12mL	M409003-20	Vapor	09-Sep-04	09-Sep-04
SV-B29-5, pv 32mL	M409005-01	Vapor	13-Sep-04	13-Sep-04
SV-B30-5, pv 12mL	M409005-02	Vapor	13-Sep-04	13-Sep-04
SV-B35-5, pv 32mL	M409005-03	Vapor	13-Sep-04	13-Sep-04

MOBILE GEOCHEMISTRY
H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-B31-5, pv 12mL	M409005-04	Vapor	13-Sep-04	13-Sep-04
SV-B32-5, pv 12mL	M409005-05	Vapor	13-Sep-04	13-Sep-04
SV-B36-5, pv 32mL	M409005-06	Vapor	13-Sep-04	13-Sep-04
SV-B36-5, pv 92mL (duplicate)	M409005-07	Vapor	13-Sep-04	13-Sep-04
SV-B33-5, pv 32mL	M409005-08	Vapor	13-Sep-04	13-Sep-04
SV-B37-5, pv 32mL	M409005-09	Vapor	13-Sep-04	13-Sep-04
SV-B34-5, pv 32mL	M409005-10	Vapor	13-Sep-04	13-Sep-04
SV-B38-5, pv 32mL	M409005-11	Vapor	13-Sep-04	13-Sep-04
SV-B23-5, pv 32mL	M409005-12	Vapor	13-Sep-04	13-Sep-04
SV-B21-5, pv 32mL	M409005-13	Vapor	13-Sep-04	13-Sep-04
SV-B41-5, pv 32mL	M409005-14	Vapor	13-Sep-04	13-Sep-04
SV-B46-5, pv 21mL	M409005-15	Vapor	13-Sep-04	13-Sep-04
SV-B39-5, pv 32mL	M409005-16	Vapor	13-Sep-04	13-Sep-04
SV-B43-5, pv 32mL	M409005-17	Vapor	13-Sep-04	13-Sep-04
SV-B43-5, pv 92mL (duplicate)	M409005-18	Vapor	13-Sep-04	13-Sep-04
SV-B42-5, pv 32mL	M409005-19	Vapor	13-Sep-04	13-Sep-04
SV-B40-5, pv 32mL	M409005-20	Vapor	13-Sep-04	13-Sep-04
SV-B45-4, pv 32mL	M409005-21	Vapor	13-Sep-04	13-Sep-04
SV-B44-4, pv 32mL	M409005-22	Vapor	13-Sep-04	13-Sep-04

One purge volume was used to collect the soil vapor samples.

MOBILE GEOCHEMISTRY
H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B1-5, pv 12mL (M409002-01) Vapor	**Sampled: 07-Sep-04**		**Received: 07-Sep-04**						
1,1-Difluoroethane	ND	10	ug/l	0.1	MI40701	07-Sep-04	07-Sep-04	EPA 8260B	
SV-B1-5, pv 36mL (M409002-02) Vapor	**Sampled: 07-Sep-04**		**Received: 07-Sep-04**						
1,1-Difluoroethane	ND	10	ug/l	0.1	MI40701	07-Sep-04	07-Sep-04	EPA 8260B	
SV-B1-5, pv 84mL (M409002-03) Vapor	**Sampled: 07-Sep-04**		**Received: 07-Sep-04**						
1,1-Difluoroethane	ND	10	ug/l	0.1	MI40701	07-Sep-04	07-Sep-04	EPA 8260B	
SV-B3-5, pv 12mL (M409003-01) Vapor	**Sampled: 09-Sep-04**		**Received: 09-Sep-04**						
1,1-Difluoroethane	ND	10	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B4-5, pv 12mL (M409003-02) Vapor	**Sampled: 09-Sep-04**		**Received: 09-Sep-04**						
1,1-Difluoroethane	ND	10	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B10-5, pv 12mL (M409003-03) Vapor	**Sampled: 09-Sep-04**		**Received: 09-Sep-04**						
1,1-Difluoroethane	ND	10	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B6-5, pv 12mL (M409003-04) Vapor	**Sampled: 09-Sep-04**		**Received: 09-Sep-04**						
1,1-Difluoroethane	49	10	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B5-5, pv 12mL (M409003-05) Vapor	**Sampled: 09-Sep-04**		**Received: 09-Sep-04**						
1,1-Difluoroethane	ND	10	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B11-5, pv 12mL (M409003-06) Vapor	**Sampled: 09-Sep-04**		**Received: 09-Sep-04**						
1,1-Difluoroethane	ND	10	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	

MOBILE GEOCHEMISTRY
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Komex	Project: KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number: Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager: Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B2-5, pv 12mL (M409003-07) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B12-5, pv 12mL (M409003-08) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B1-5, pv 12mL (M409003-09) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B13-5, pv 12mL (M409003-10) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B14-5, pv 12mL (M409003-11) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B15-5, pv 12mL (M409003-12) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B16-5, pv 12mL (M409003-13) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B17-5, pv 12mL (M409003-14) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B28-5, pv 12mL (M409003-15) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	

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Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B6-5, pv 12mL (new vapor probe) (M409003-16) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B6-5, pv 72mL (duplicate) (M409003-17) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B7-5, pv 12mL (M409003-18) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B8-5, pv 12mL (M409003-19) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B9-5, pv 12mL (M409003-20) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
SV-B29-5, pv 32mL (M409005-01) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.1	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B30-5, pv 12mL (M409005-02) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B35-5, pv 32mL (M409005-03) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B31-5, pv 12mL (M409005-04) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	

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Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B32-5, pv 12mL (M409005-05) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B36-5, pv 32mL (M409005-06) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B36-5, pv 92mL (duplicate) (M409005-07) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B33-5, pv 32mL (M409005-08) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B37-5, pv 32mL (M409005-09) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B34-5, pv 32mL (M409005-10) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B38-5, pv 32mL (M409005-11) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B23-5, pv 32mL (M409005-12) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B21-5, pv 32mL (M409005-13) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	

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Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B41-5, pv 32mL (M409005-14) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B46-5, pv 21mL (M409005-15) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.1	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B39-5, pv 32mL (M409005-16) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	1	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B43-5, pv 32mL (M409005-17) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B43-5, pv 92mL (duplicate) (M409005-18) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B42-5, pv 32mL (M409005-19) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B40-5, pv 32mL (M409005-20) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B45-4, pv 32mL (M409005-21) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
SV-B44-4, pv 32mL (M409005-22) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
1,1-Difluoroethane	ND	10	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	

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Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B1-5, pv 12mL (M409002-01) Vapor	**Sampled: 07-Sep-04**	**Received: 07-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI40701	07-Sep-04	07-Sep-04	EPA 8260B	
Vinyl chloride	1.4	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	5.5	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	49	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.2	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.8 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
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Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B1-5, pv 36mL (M409002-02) Vapor Sampled: 07-Sep-04 Received: 07-Sep-04									
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI40701	07-Sep-04	07-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	1.6	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	17	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.1	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*128 %*	*75-125*		"	"	"	"	*S-GC*
Surrogate: Toluene-d8		*110 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B1-5, pv 84mL (M409002-03) Vapor	**Sampled: 07-Sep-04**	**Received: 07-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI40701	07-Sep-04	07-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	9.1	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*119 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B3-5, pv 12mL (M409003-01) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.8 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*130 %*	*75-125*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B4-5, pv 12mL (M409003-02) Vapor	**Sampled: 09-Sep-04**	**Received: 09-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.1	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	1.9	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	5.1	2	"	"	"	"	"	"	
o-Xylene	1.3	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*117 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B10-5, pv 12mL (M409003-03) Vapor	**Sampled: 09-Sep-04**	**Received: 09-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	1.9	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.2 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*146 %*	*75-125*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*96.0 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B6-5, pv 12mL (M409003-04) Vapor	**Sampled: 09-Sep-04**	**Received: 09-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.5	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.0 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*115 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B5-5, pv 12mL (M409003-05) Vapor	**Sampled: 09-Sep-04**	**Received: 09-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.1	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*110 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B11-5, pv 12mL (M409003-06) Vapor	**Sampled: 09-Sep-04**	**Received: 09-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B2-5, pv 12mL (M409003-07) Vapor	**Sampled: 09-Sep-04**	**Received: 09-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.0	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*121 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B12-5, pv 12mL (M409003-08) Vapor	**Sampled: 09-Sep-04**	**Received: 09-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.2 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B1-5, pv 12mL (M409003-09) Vapor	**Sampled: 09-Sep-04**		**Received: 09-Sep-04**						
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	16	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	210	10	"	1	"	"	"	"	
Chloroform	ND	1	"	0.05	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.1	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*145 %*	*75-125*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*100 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B13-5, pv 12mL (M409003-10) Vapor	**Sampled: 09-Sep-04**	**Received: 09-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.8	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.6 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.8 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B14-5, pv 12mL (M409003-11) Vapor	**Sampled: 09-Sep-04**	**Received: 09-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.9	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.2 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B15-5, pv 12mL (M409003-12) Vapor	**Sampled: 09-Sep-04**	**Received: 09-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI4090I	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.4	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95.6 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.6 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B16-5, pv 12mL (M409003-13) Vapor	**Sampled: 09-Sep-04**		**Received: 09-Sep-04**						
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.2	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*121 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*123 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*135 %*	*75-125*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*122 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B17-5, pv 12mL (M409003-14) Vapor	**Sampled: 09-Sep-04**	**Received: 09-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	210	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	13	1	"	"	"	"	"	"	
1,1-Dichloroethane	3.2	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	13	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.5	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	26	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*120 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B28-5, pv 12mL (M409003-15) Vapor	**Sampled: 09-Sep-04**		**Received: 09-Sep-04**						
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.5	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.2 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*122 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B6-5, pv 12mL (new vapor probe) (M409003-16) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.6	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.4 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*129 %*	*75-125*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*100 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B6-5, pv 72mL (duplicate) (M409003-17) Vapor		**Sampled: 09-Sep-04**		**Received: 09-Sep-04**					
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.4	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.6 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.4 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B7-5, pv 12mL (M409003-18) Vapor	**Sampled: 09-Sep-04**	**Received: 09-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	2.2	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.4	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	5.3	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*117 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*128 %*	*75-125*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*120 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B8-5, pv 12mL (M409003-19) Vapor	**Sampled: 09-Sep-04**	**Received: 09-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.5	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.8 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B9-5, pv 12mL (M409003-20) Vapor	**Sampled: 09-Sep-04**	**Received: 09-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	2.3	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	2.1	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*113 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B29-5, pv 32mL (M409005-01) Vapor	**Sampled: 13-Sep-04**	**Received: 13-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.2	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96.8 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87.4 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B30-5, pv 12mL (M409005-02) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.6 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*110 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B35-5, pv 32mL (M409005-03) Vapor	**Sampled: 13-Sep-04**	**Received: 13-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*112 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B31-5, pv 12mL (M409005-04) Vapor	**Sampled: 13-Sep-04**	**Received: 13-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.4 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.2 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B32-5, pv 12mL (M409005-05) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.6 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.4 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project: KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number: Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager: Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B36-5, pv 32mL (M409005-06) Vapor	**Sampled: 13-Sep-04**	**Received: 13-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.4 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project: KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number: Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager: Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B36-5, pv 92mL (duplicate) (M409005-07) Vapor		**Sampled: 13-Sep-04**		**Received: 13-Sep-04**					
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.8 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88.8 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*96.4 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B33-5, pv 32mL (M409005-08) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	9.1	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.6 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*110 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.6 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B37-5, pv 32mL (M409005-09) Vapor	**Sampled: 13-Sep-04**	**Received: 13-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	3.5	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	2.4	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	54	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	98	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.6 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.8 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.8 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B34-5, pv 32mL (M409005-10) Vapor	**Sampled: 13-Sep-04**	**Received: 13-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.2	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	1.1	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.8 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*113 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project: KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number: Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager: Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B38-5, pv 32mL (M409005-11) Vapor	**Sampled: 13-Sep-04**	**Received: 13-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	20	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	110	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B23-5, pv 32mL (M409005-12) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95.6 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project: KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number: Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager: Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B21-5, pv 32mL (M409005-13) Vapor	**Sampled: 13-Sep-04**	**Received: 13-Sep-04**							
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	14	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.0 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*113 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.8 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B41-5, pv 32mL (M409005-14) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	1.6	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	3.4	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.0 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*112 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.6 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B46-5, pv 21mL (M409005-15) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Dichlorodifluoromethane	ND	1	ug/l	0.1	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	46	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.3	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	1.7	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.6 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.2 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*112 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.0 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B39-5, pv 32mL (M409005-16) Vapor	**Sampled: 13-Sep-04**	**Received: 13-Sep-04**							
Dichlorodifluoromethane	ND	10	ug/l	1	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	49	10	"	"	"	"	"	"	
Chloroethane	ND	10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	10	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Freon 113	ND	10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	10	"	"	"	"	"	"	
Chloroform	ND	10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	
Benzene	ND	10	"	"	"	"	"	"	
Trichloroethene	ND	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	10	"	"	"	"	"	"	
Tetrachloroethene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	10	"	"	"	"	"	"	
m,p-Xylene	ND	20	"	"	"	"	"	"	
o-Xylene	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.0 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*134 %*	*75-125*		"	"	"	"	*S-04*
Surrogate: Toluene-d8		*130 %*	*75-125*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*99.6 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B43-5, pv 32mL (M409005-17) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95.2 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.8 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B43-5, pv 92mL (duplicate) (M409005-18) Vapor		**Sampled: 13-Sep-04**		**Received: 13-Sep-04**					
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	1.0	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95.2 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B42-5, pv 32mL (M409005-19) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	38	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	1.7	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	1.2	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*86.4 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.6 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B40-5, pv 32mL (M409005-20) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	2.6	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	1.4	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	3.9	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	1.8	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.2 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*123 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*118 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.6 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B45-4, pv 32mL (M409005-21) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.4 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B44-4, pv 32mL (M409005-22) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Dichlorodifluoromethane	ND	1	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*86.8 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86.4 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.4 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

TPH by MS

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B3-5, pv 12mL (M409003-01) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B4-5, pv 12mL (M409003-02) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B10-5, pv 12mL (M409003-03) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	580	500	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B6-5, pv 12mL (M409003-04) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B5-5, pv 12mL (M409003-05) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B11-5, pv 12mL (M409003-06) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B2-5, pv 12mL (M409003-07) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B12-5, pv 12mL (M409003-08) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B1-5, pv 12mL (M409003-09) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	710	500	ug/l	0.05	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	

MOBILE GEOCHEMISTRY H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

TPH by MS

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B13-5, pv 12mL (M409003-10) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B14-5, pv 12mL (M409003-11) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B15-5, pv 12mL (M409003-12) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B16-5, pv 12mL (M409003-13) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B17-5, pv 12mL (M409003-14) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B28-5, pv 12mL (M409003-15) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B6-5, pv 12mL (new vapor probe) (M409003-16) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B6-5, pv 72mL (duplicate) (M409003-17) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B7-5, pv 12mL (M409003-18) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

TPH by MS

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B8-5, pv 12mL (M409003-19) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B9-5, pv 12mL (M409003-20) Vapor Sampled: 09-Sep-04 Received: 09-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.1	MI40901	09-Sep-04	09-Sep-04	DHS LUFT/8260B	
SV-B29-5, pv 32mL (M409005-01) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.1	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B30-5, pv 12mL (M409005-02) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B35-5, pv 32mL (M409005-03) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B31-5, pv 12mL (M409005-04) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B32-5, pv 12mL (M409005-05) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B36-5, pv 32mL (M409005-06) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B36-5, pv 92mL (duplicate) (M409005-07) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	

MOBILE GEOCHEMISTRY
H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

TPH by MS

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B33-5, pv 32mL (M409005-08) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B37-5, pv 32mL (M409005-09) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B34-5, pv 32mL (M409005-10) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B38-5, pv 32mL (M409005-11) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B23-5, pv 32mL (M409005-12) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B21-5, pv 32mL (M409005-13) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B41-5, pv 32mL (M409005-14) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B46-5, pv 21mL (M409005-15) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Gasoline (C5-C11)	ND	500	ug/l	0.1	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B39-5, pv 32mL (M409005-16) Vapor	**Sampled: 13-Sep-04**		**Received: 13-Sep-04**						
Gasoline (C5-C11)	16000	500	ug/l	1	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

TPH by MS

Lab SB1

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-B43-5, pv 32mL (M409005-17) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B43-5, pv 92mL (duplicate) (M409005-18) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B42-5, pv 32mL (M409005-19) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B40-5, pv 32mL (M409005-20) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
Gasoline (C5-C11)	560	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B45-4, pv 32mL (M409005-21) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	
SV-B44-4, pv 32mL (M409005-22) Vapor Sampled: 13-Sep-04 Received: 13-Sep-04									
Gasoline (C5-C11)	ND	500	ug/l	0.05	MI41301	13-Sep-04	13-Sep-04	DHS LUFT/8260B	

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Lab SB1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch MI40701 - EPA 5030										
Blank (MI40701-BLK1)				Prepared & Analyzed: 07-Sep-04						
1,1-Difluoroethane	ND	10	ug/l							
Batch MI40901 - EPA 5030										
Blank (MI40901-BLK1)				Prepared & Analyzed: 09-Sep-04						
1,1-Difluoroethane	ND	10	ug/l							
Batch MI41301 - EPA 5030										
Blank (MI41301-BLK1)				Prepared & Analyzed: 13-Sep-04						
1,1-Difluoroethane	ND	10	ug/l							

MOBILE GEOCHEMISTRY H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor - Quality Control
Lab SB1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch MI40701 - EPA 5030										
Blank (MI40701-BLK1)				Prepared & Analyzed: 07-Sep-04						
Dichlorodifluoromethane	ND	1.0	ug/l							
Vinyl chloride	ND	1.0	"							
Chloroethane	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
Methylene chloride	ND	1.0	"							
Freon 113	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
Chloroform	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Carbon tetrachloride	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
Benzene	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Toluene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
m,p-Xylene	ND	2.0	"							
o-Xylene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
Surrogate: Dibromofluoromethane	*2.63*		"	*2.50*		*105*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.57*		"	*2.50*		*103*	*75-125*			
Surrogate: Toluene-d8	*2.52*		"	*2.50*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.49*		"	*2.50*		*99.6*	*75-125*			

MOBILE GEOCHEMISTRY
H&P

Komex	Project: KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number: Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager: Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor - Quality Control
Lab SB1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch MI40701 - EPA 5030										
Batch MI40901 - EPA 5030										
Blank (MI40901-BLK1)				Prepared & Analyzed: 09-Sep-04						
Dichlorodifluoromethane	ND	1.0	ug/l							
Vinyl chloride	ND	1.0	"							
Chloroethane	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
Methylene chloride	ND	1.0	"							
Freon 113	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
Chloroform	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Carbon tetrachloride	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
Benzene	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Toluene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
m,p-Xylene	ND	2.0	"							
o-Xylene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
Surrogate: Dibromofluoromethane	*2.54*		*"*	*2.50*		*102*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.50*		*"*	*2.50*		*100*	*75-125*			

MOBILE GEOCHEMISTRY H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor - Quality Control
Lab SB1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch MI40901 - EPA 5030										
Blank (MI40901-BLK1)				Prepared & Analyzed: 09-Sep-04						
Surrogate: Toluene-d8	*2.68*		*ug/l*	*2.50*		*107*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.58*		*"*	*2.50*		*103*	*75-125*			
Batch MI41301 - EPA 5030										
Blank (MI41301-BLK1)				Prepared & Analyzed: 13-Sep-04						
Dichlorodifluoromethane	ND	1.0	ug/l							
Vinyl chloride	ND	1.0	"							
Chloroethane	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
Methylene chloride	ND	1.0	"							
Freon 113	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
Chloroform	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Carbon tetrachloride	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
Benzene	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Toluene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
m,p-Xylene	ND	2.0	"							

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor - Quality Control
Lab SB1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch MI41301 - EPA 5030										
Blank (MI41301-BLK1)				Prepared & Analyzed: 13-Sep-04						
o-Xylene	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
Surrogate: Dibromofluoromethane	*2.52*		*"*	*2.50*		*101*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.47*		*"*	*2.50*		*98.8*	*75-125*			
Surrogate: Toluene-d8	*2.50*		*"*	*2.50*		*100*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.54*		*"*	*2.50*		*102*	*75-125*			

MOBILE GEOCHEMISTRY
H&P

Komex	Project:	KX090704-SB1	
5455 Garden Grove Blvd, Second Floor	Project Number:	Assoc. Plating Co., 9636 Ann Street	Reported:
Westminster CA, 92683-8201	Project Manager:	Ms. Lee Paprocki	01-Oct-04

TPH by MS - Quality Control
Lab SB1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch MI40901 - EPA 5030										
Blank (MI40901-BLK1)				Prepared & Analyzed: 09-Sep-04						
Gasoline (C5-C11)	ND	500	ug/l							
Batch MI41301 - EPA 5030										
Blank (MI41301-BLK1)				Prepared & Analyzed: 13-Sep-04						
Gasoline (C5-C11)	ND	500	ug/l							

MOBILE GEOCHEMISTRY
H&P

Komex 5455 Garden Grove Blvd, Second Floor Westminster CA, 92683-8201	Project: KX090704-SB1 Project Number: Assoc. Plating Co., 9636 Ann Street Project Manager: Ms. Lee Paprocki	Reported: 01-Oct-04

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☒ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: September 7, 2004
H&P Project #: KX090704-SB1
Outside Lab:

Client: Komex
Address: 5455 Garden Grove Blvd, 2nd Floor
Westminster, CA 92683-8201
Phone: 714-379-1157 x152 Fax: 714-379-1160

Collector: Dave / Kurt
Client Project #:
Location: 9636 Ann St, Santa Fe Springs
Turn around time:

Page: 1 Of 2
Project Manager: Ms. Lee Paprocki

Global ID: EDF: Yes / No

1 purge volumes was used.

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's LRWQCB	8260B: VOC's and Oxygenates	Methane	Fixed Gases				prep time	Total # of containers
MY09002-01	SV-B1-5, pv 12mL	5'	1044	9/7	vapor	syringe								X							1045	1
MY09002-02	SV-B1-5, pv 36mL	5'	1045	9/7	vapor	syringe								X							1048	1
-03	SV-B1-5, pv 84mL	5'	1046	9/7	vapor	syringe								X							1052	1
-04	SV-B3-5, pv 12mL	5'	1149	9/7	vapor	syringe								X							1151	1
-05	SV-B4-5, pv 12mL	5'	1154	9/7	vapor	syringe								X							1156	1
-06	SV-B5-5, pv 12mL	5'	1228	9/7	vapor	syringe								X							1229	1
-07	SV-B5-5, pv 72mL	5'	1229	9/7	vapor	syringe	(duplicate)							X							1230	1
-08	SV-B2-5, pv 12mL	5'	1236	9/7	vapor	syringe								X							1240	1
-09	SV-B6-5, pv 12mL	5'	1250	9/7	vapor	syringe								X							1254	1
-10	SV-B7-5, pv 12mL	5'	1308	9/7	vapor	syringe								X							1310	1
-11	SV-B8-5, pv 12mL	5'	1324	9/7	vapor	syringe								X							1315	1
-12	SV-B9-5, pv 12mL	5'	1350	9/7	vapor	syringe								X							1352	1
-13	SV-B10-5, pv 12mL	5'	1432	9/7	vapor	syringe								X							1434	1
-14	SV-B11-5, pv 12mL	5'	1448	9/7	vapor	syringe								X							1458	1

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date	Time
Lee Paprocki	Komex	John C. Hoff	H+P	9/7/04	5:00PM
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☒ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: September 7, 2004
H&P Project #: KX 090704-SB1
Outside Lab:

Client: Komex
Address: 5455 Garden Grove Blvd, 2nd Floor
Westminster, CA 92683-8201
Phone: 714-379-1157 X152 Fax: 714-379-1160

Collector: Dave/Kurt
Page: 2 Of 2
Client Project #:
Project Manager: Ms. Lee Paprocki
Location: 9636 Ann St, Santa Fe Springs
Turn around time:

Global ID:
EDF: Yes / No

1 purge volume was used

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No
(N/A) (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's LARWQCB	8260B: VOC's and Oxygenates	Methane	Fixed Gases				Purge Time		Total # of containers
M409002-15	SV-B12-5, pv 12mL	5'	1449	9/7	vapor	syringe								X							15	00	1
-16	SV-B13-5, pv 12mL	5'	1510	9/7	vapor	syringe								X							15	15	1
-17	SV-B14-5, pv 12mL	5'	1517	9/7	vapor	syringe								X							15	19	1
-18	SV-B15-5, pv 12mL	5'	1534	9/7	vapor	syringe								X							15	40	1
-19	SV-B16-5, pv 12mL	5'	1606	9/7	vapor	syringe								X							16	10	1
-20	SV-B17-5, pv 12mL	5'	1615	9/7	vapor	syringe								X							16	21	1

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Lee Paprocki	Komex	John C. Hyp	H+P	9/7/04	5:00PM
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☒ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: September 9, 2004
H&P Project #: KX 090704-SB1
Outside Lab:

Client: Komex
Address: 5455 Garden Grove Blvd, 2nd Fl.
Westminster, CA 92683-8201
Phone: 714-379-1157 x152 Fax: 714-379-1160

Collector: Dave / Kurt
Client Project #:
Location: 9636 Ann St, Santa Fe Springs
Turn around time:

Page: 1 Of 2
Project Manager: Ms. Lee Paprocki

Global ID: EDF: Yes / No

1 purge volume was used

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No
(N/A) (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's LARWQCB	8260B: VOC's and Oxygenates	Methane	Fixed Gases				prep time		Total # of containers
M409003-01	SV-B3-5, pv 12mL	5'	08:25	9/9	Vapor	Syringe	X							X							08	26	1
-02	SV-B4-5, pv 12mL	5'	0840	9/9	Vapor	Syringe	X							X							08	40	1
-03	SV-B10-5, pv 12mL	5'	0900	9/9	Vapor	Syringe	X							X							09	05	1
-04	SV-B6-5, pv 12mL	5'	0910	9/9	Vapor	Syringe	X							X							09	15	1
-05	SV-B5-5, pv 12mL	5'	0928	9/9	Vapor	Syringe	X							X							09	38	1
-06	SV-B11-5, pv 12mL	5'	0943	9/9	Vapor	Syringe	X							X							09	50	1
-07	SV-B2-5, pv 12mL	5'	0950	9/9	Vapor	Syringe	X							X							09	59	1
-08	SV-B12-5, pv 12mL	5'	1003	9/9	Vapor	Syringe	X							X							10	10	1
-09	SV-B1-5, pv 12mL	5'	1058	9/9	Vapor	Syringe	X							X							10	59	1
-10	SV-B13-5, pv 12mL	5'	1107	9/9	Vapor	Syringe	X							X							11	10	1
-11	SV-B14-5, pv 12mL	5'	1122	9/9	Vapor	Syringe	X							X							11	30	1
-12	SV-B15-5, pv 12mL	5'	1140	9/9	Vapor	Syringe	X							X							11	44	1
-13	SV-B16-5, pv 12mL	5'	1148	9/9	Vapor	Syringe	X							X							11	55	1
-14	SV-B17-5, pv 12mL	5'	1236	9/9	Vapor	Syringe	X							X							12	38	1

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Lee Paprocki	Komex	John Cittop	H&P	9/9/04	2:00PM
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

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☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☒ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: September 9, 2004
H&P Project #: KX090704-SB1
Outside Lab:

Client: Komex
Address: 5455 Garden Grove Blvd, 2nd Fl.
Westminster, CA 92683-8201
Phone: 714-379-1157 X152 Fax: 714-379-1160

Collector: Dave / Kurt
Client Project #:
Location: 9636 Ann St, Santa Fe Springs
Turn around time:

Page: 2 Of 2
Project Manager: Ms. Lee Paprocki

Global ID: EDF: Yes / No

1 purge volume was used.

Sample Receipt
Intact: ☐ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No
(N/A) (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's LARWQCB	8260B: VOC's and Oxygenates	Methane	Fixed Gases					prep time		Total # of containers
M409003-15	SV-B5-5, pv 12mL	5'	1308	9/9	vapor	syringe	X							X								13	08	1
-16	SV-B6-5, pv 12mL	5'	1312	9/9	vapor	syringe	X							X								13	15	1
-17	SV-B6-5, pv 72mL	5'	1313	9/9	vapor	syringe	X	(duplicate)						X								13	16	1
-18	SV-B7-5, pv 12mL	5'	1330	9/9	vapor	syringe	X							X								13	35	1
-19	SV-B8-5, pv 12mL	5'	1342	9/9	vapor	syringe	X							X								13	43	1
-20	SV-B9-5, pv 12mL	5'	1350	9/9	vapor	syringe	X							X								13	57	1

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Lee Paprocki	Komex	John C. Hyp	H+P	9/9/04	2:00pm
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☒ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: September 13, 2004
H&P Project #: KX090704-SB1
Outside Lab:

Client: Komex
Address: 5455 Garden Grove Blvd, 2nd Floor
Westminster, CA 92683-8201
Phone: 714-379-1157 x152 Fax: 714-379-1160

Collector: Dave / Alex
Client Project #: K-102569
Location: 9636 Ann Street, Santa Fe Springs
Turn around time:

Page: 1 Of 2
Project Manager: Ms. Lee Paprocki

Global ID:
EDF: Yes / (No)

1purge volume was used.

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No
(N/A (Received on Site))

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH (gasoline ~~diesel~~)	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's LAWQCB	8260B: VOC's and Oxygenates	Methane	Fixed Gases				prep time		Total # of containers
M409005-01	SV-B29-5, pv 32mL	5'	0826	9/13	vapor	syringe	X							X							08	27	1
-02	SV-B30-5, pv 12mL	5'	0851	9/13	vapor	syringe	X							X							08	51	1
-03	SV-B35-5, pv 32mL	5'	0904	9/13	vapor	syringe	X							X							09	05	1
-04	SV-B31-5, pv 12mL	5'	0917	9/13	vapor	syringe	X							X							09	17	1
-05	SV-B32-5, pv 12mL	5'	0932	9/13	vapor	syringe	X							X							09	32	1
-06	SV-B36-5, pv 32mL	5'	0935	9/13	vapor	syringe	X							X							09	35	1
-07	SV-B36-5, pv 92mL	5'	0936	9/13	vapor	syringe	X	(duplicate)						X							09	36	1
-08	SV-B33-5, pv 32mL	5'	0950	9/13	vapor	syringe	X							X							09	50	1
-09	SV-B37-5, pv 32mL	5'	1010	9/13	vapor	syringe	X							X							10	10	1
-10	SV-B34-5, pv 32mL	5'	1037	9/13	vapor	syringe	X							X							10	38	1
-11	SV-B38-5, pv 32mL	5'	1040	9/13	vapor	syringe	X							X							10	40	1
-12	SV-B23-5, pv 32mL	5'	1059	9/13	vapor	syringe	X							X							11	00	1
-13	SV-B21-5, pv 32mL	5'	1116	9/13	vapor	syringe	X							X							11	17	1
-14	SV-B41-5, pv 32mL	5'	1114	9/13	vapor	syringe	X							X							11	18	1

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Lee Paprocki	Komex	John C. Hopp	H+P	9/13/04	1:30pm
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ *Disposal @ $2.00 each* ☐ *Return to client* ☐ *Pickup*

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☒ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798

Date: September 13, 2004
H&P Project # KX090704-SB1
Outside Lab:

Client: KomeX
Address: 5455 Garden Grove Blvd, 2nd Fl.
Westminster, CA 92683-8201
Phone: 714-379-1157 x152 Fax: 714-379-1160

Collector: Dave/Alex
Client Project # K-102569
Location: 9636 Ann Street, Santa Fe Springs
Turn around time:

Page: 2 Of 2
Project Manager Ms. Lee Paprocki

Global ID:
EDF: Yes / No

1 purge volume was used

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B BTEX / Oxygenates	8260B Oxygenates	8260B VOC's LARWQCB	8260B VOC's and Oxygenates	Methane	Fixed Gases				prep time			Total # of containers
M409005-15	SV-B46-5, pv21mL	5'	1130	9/13	vapor	syringe	X							X							11	31		1
-16	SV-B39-5, pv32mL	5'	1155	9/13	vapor	syringe	X							X							11	56		1
-17	SV-B43-5, pv32mL	5'	1200	9/13	vapor	syringe	X							X							12	01		1
-18	SV-B43-5, pv92mL	5'	1200	9/13	vapor	syringe	X	(duplicate)						X							12	02		1
-19	SV-B42-5, pv32mL	5'	1240	9/13	vapor	syringe	X							X							12	41		1
-20	SV-B40-5, pv32mL	5'	1240	9/13	vapor	syringe	X							X							12	42		1
-21	SV-B45-4, pv32mL	5'	1320	9/13	vapor	syringe	X							X							13	21		1
-22	SV-B44-4, pv32mL	5'	1325	9/13	vapor	syringe	X							X							13	25		1

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Lee Paprocki	KomeX	John C. Hogg	H+P	9/13/04	1:30pm

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

SIERRA
ANALYTICAL

05 November 2004

Lee Paprocki
Komex H2O Science
5455 Garden Grove Blvd. Suite 200
Westminster, CA 92683

RE:APC

Work Order No.: 0409103

Attached are the results of the analyses for samples received by the laboratory on 09/08/04 08:20.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report.
If you require any additional retaining time, please advise us.

Sincerely,

Richard K. Forsyth

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320

RECEIVED
NOV 09 2004
By

26052 Merit Circle Suite 105, Laguna Hills, California 92653
Telephone: (949) 348-9389 Fax: (949) 348-9115
E-Mail: sierralabs@earthlink.net

SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
QCFB-090704	0409103-01	Liquid	09/07/04 18:00	09/08/04 08:20
QCEB-090704	0409103-02	Liquid	09/07/04 18:10	09/08/04 08:20
B-18-90704-1-4	0409103-03	Soil	09/07/04 17:00	09/08/04 08:20
B-18-90704-2-7	0409103-04	Soil	09/07/04 17:15	09/08/04 08:20
B-19-90704-1-4	0409103-05	Soil	09/07/04 17:30	09/08/04 08:20
B-19-90704-2-7	0409103-06	Soil	09/07/04 17:45	09/08/04 08:20

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QCFB-090704 (0409103-01) Liquid Sampled: 09/07/04 18:00 Received: 09/08/04 08:20									
Cyanide (total)	ND	0.0200	mg/L	1	B4I0816	09/08/04	09/13/04	EPA 335.2	
QCEB-090704 (0409103-02) Liquid Sampled: 09/07/04 18:10 Received: 09/08/04 08:20									
Cyanide (total)	ND	0.0200	mg/L	1	B4I0816	09/08/04	09/13/04	EPA 335.2	
B-18-90704-1-4 (0409103-03) Soil Sampled: 09/07/04 17:00 Received: 09/08/04 08:20									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0817	09/08/04	09/13/04	EPA 335.2	
pH	**7.10**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-18-90704-2-7 (0409103-04) Soil Sampled: 09/07/04 17:15 Received: 09/08/04 08:20									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0817	09/08/04	09/13/04	EPA 335.2	
pH	**6.90**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-19-90704-1-4 (0409103-05) Soil Sampled: 09/07/04 17:30 Received: 09/08/04 08:20									
Chloride	**5120**	1250	mg/kg	2500	B4K0446	11/04/04	11/05/04	SM 4500-Cl-B	H-01
Cyanide (total)	ND	2.50	"	50	B4I0817	09/08/04	09/13/04	EPA 335.2	
pH	**9.90**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-19-90704-2-7 (0409103-06) Soil Sampled: 09/07/04 17:45 Received: 09/08/04 08:20									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0817	09/08/04	09/13/04	EPA 335.2	
pH	**7.40**	0.100	pH Units	1	"	"	"	EPA 9045C	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QCFB-090704 (0409103-01) Liquid Sampled: 09/07/04 18:00 Received: 09/08/04 08:20									
Silver	ND	2.0	µg/L	1	B4I1520	09/15/04	09/17/04	EPA 6020	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	ND	1.0	"	"	"	"	"	"	
Beryllium	ND	0.040	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Cobalt	ND	2.0	"	"	"	"	"	"	
Chromium	ND	5.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B4I0810	09/08/04	09/08/04	EPA 7199	
Copper	ND	5.0	µg/L	"	B4I1520	09/15/04	09/17/04	EPA 6020	
Mercury	ND	0.0007	mg/L	"	B4I1435	09/14/04	09/24/04	EPA 7470A	
Molybdenum	ND	2.0	µg/L	"	B4I1520	09/15/04	09/17/04	EPA 6020	
Nickel	ND	1.0	"	"	"	"	"	"	
Lead	ND	2.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	ND	2.0	"	"	"	"	"	"	
Zinc	ND	10	"	"	"	"	"	"	
QCEB-090704 (0409103-02) Liquid Sampled: 09/07/04 18:10 Received: 09/08/04 08:20									
Silver	ND	2.0	µg/L	1	B4I1520	09/15/04	09/17/04	EPA 6020	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**8.5**	1.0	"	"	"	"	"	"	
Beryllium	ND	0.040	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Cobalt	ND	2.0	"	"	"	"	"	"	
Chromium	ND	5.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B4I0810	09/08/04	09/08/04	EPA 7199	
Copper	**19**	5.0	µg/L	"	B4I1520	09/15/04	09/17/04	EPA 6020	
Mercury	ND	0.0007	mg/L	"	B4I1435	09/14/04	09/24/04	EPA 7470A	
Molybdenum	ND	2.0	µg/L	"	B4I1520	09/15/04	09/17/04	EPA 6020	
Nickel	**19**	1.0	"	"	"	"	"	"	
Lead	ND	2.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**13**	2.0	"	"	"	"	"	"	
Zinc	**14**	10	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-18-90704-1-4 (0409103-03) Soil Sampled: 09/07/04 17:00 Received: 09/08/04 08:20									
Silver	ND	0.89	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**7.5**	0.89	"	"	"	"	"	"	
Barium	**170**	0.89	"	"	"	"	"	"	
Beryllium	ND	0.89	"	"	"	"	"	"	
Cadmium	ND	0.89	"	"	"	"	"	"	
Cobalt	**12**	0.89	"	"	"	"	"	"	
Chromium	**31**	2.2	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**49**	2.2	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.16	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.3	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**26**	0.89	"	"	"	"	"	"	
Lead	**8.5**	0.89	"	"	"	"	"	"	
Antimony	ND	0.89	"	"	"	"	"	"	
Selenium	ND	1.4	"	"	"	"	"	"	
Thallium	ND	0.89	"	"	"	"	"	"	
Vanadium	**58**	0.89	"	"	"	"	10/14/04	"	
Zinc	**63**	4.4	"	"	"	"	09/16/04	"	
B-18-90704-2-7 (0409103-04) Soil Sampled: 09/07/04 17:15 Received: 09/08/04 08:20									
Silver	ND	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**13**	1.0	"	"	"	"	"	"	
Barium	**160**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**11**	1.0	"	"	"	"	"	"	
Chromium	**30**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	**0.51**	0.50	"	"	B4I1003	09/10/04	09/13/04	EPA 7199A	
Copper	**26**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.16	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**23**	1.0	"	"	"	"	"	"	
Lead	**6.4**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**56**	1.0	"	"	"	"	10/14/04	"	
Zinc	**59**	5.0	"	"	"	"	09/16/04	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-19-90704-1-4 (0409103-05) Soil Sampled: 09/07/04 17:30 Received: 09/08/04 08:20									
Silver	**3.7**	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**5.1**	1.0	"	"	"	"	"	"	
Barium	**170**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	**1.5**	1.0	"	"	"	"	"	"	
Cobalt	**8.3**	1.0	"	"	"	"	"	"	
Chromium	**25**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**270**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.16	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**270**	1.0	"	"	"	"	"	"	
Lead	**9.8**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**40**	1.0	"	"	"	"	10/14/04	"	
Zinc	**130**	5.0	"	"	"	"	09/16/04	"	
B-19-90704-2-7 (0409103-06) Soil Sampled: 09/07/04 17:45 Received: 09/08/04 08:20									
Silver	ND	0.90	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**20**	0.90	"	"	"	"	"	"	
Barium	**170**	0.90	"	"	"	"	"	"	
Beryllium	ND	0.90	"	"	"	"	"	"	
Cadmium	ND	0.90	"	"	"	"	"	"	
Cobalt	**12**	0.90	"	"	"	"	"	"	
Chromium	**31**	2.2	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**29**	2.2	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.15	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.3	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**25**	0.90	"	"	"	"	"	"	
Lead	**7.5**	0.90	"	"	"	"	"	"	
Antimony	ND	0.90	"	"	"	"	"	"	
Selenium	ND	1.4	"	"	"	"	"	"	
Thallium	ND	0.90	"	"	"	"	"	"	
Vanadium	**58**	0.90	"	"	"	"	10/14/04	"	
Zinc	**71**	4.5	"	"	"	"	09/16/04	"	

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:03

STLC Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-19-90704-1-4 (0409103-05) Soil Sampled: 09/07/04 17:30 Received: 09/08/04 08:20									
Copper	**21.8**	0.42	mg/L	2	B4J2608	10/26/04	10/26/04	EPA 6010B	
Nickel	**14.2**	0.21	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:03

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QCFB-090704 (0409103-01) Liquid Sampled: 09/07/04 18:00 Received: 09/08/04 08:20									
HC < C8	ND	0.010	mg/L	1	B4I1731	09/10/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	0.010	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.010	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.010	"	"	"	"	"	"	
C11 <= HC < C12	ND	0.010	"	"	"	"	"	"	
C12 <= HC < C14	ND	0.010	"	"	"	"	"	"	
C14 <= HC < C16	ND	0.010	"	"	"	"	"	"	
C16 <= HC < C18	ND	0.010	"	"	"	"	"	"	
C18 <= HC < C20	ND	0.010	"	"	"	"	"	"	
C20 <= HC < C24	ND	0.010	"	"	"	"	"	"	
C24 <= HC < C28	ND	0.010	"	"	"	"	"	"	
C28 <= HC < C32	ND	0.010	"	"	"	"	"	"	
HC >= C32	ND	0.010	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*80.0 %*	*50-150*		"	"	"	"	
QCEB-090704 (0409103-02) Liquid Sampled: 09/07/04 18:10 Received: 09/08/04 08:20									
HC < C8	ND	0.010	mg/L	1	B4I1731	09/10/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	0.010	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.010	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.010	"	"	"	"	"	"	
C11 <= HC < C12	ND	0.010	"	"	"	"	"	"	
C12 <= HC < C14	ND	0.010	"	"	"	"	"	"	
C14 <= HC < C16	ND	0.010	"	"	"	"	"	"	
C16 <= HC < C18	ND	0.010	"	"	"	"	"	"	
C18 <= HC < C20	ND	0.010	"	"	"	"	"	"	
C20 <= HC < C24	ND	0.010	"	"	"	"	"	"	
C24 <= HC < C28	ND	0.010	"	"	"	"	"	"	
C28 <= HC < C32	ND	0.010	"	"	"	"	"	"	
HC >= C32	ND	0.010	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*81.3 %*	*50-150*		"	"	"	"	

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:03

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-18-90704-1-4 (0409103-03) Soil Sampled: 09/07/04 17:00 Received: 09/08/04 08:20									
HC < C8	ND	1.0	mg/kg	1	B4I1730	09/10/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	**1.6**	1.0	"	"	"	"	"	"	
C18 <= HC < C20	**3.9**	1.0	"	"	"	"	"	"	
C20 <= HC < C24	**22**	1.0	"	"	"	"	"	"	
C24 <= HC < C28	**40**	1.0	"	"	"	"	"	"	
C28 <= HC < C32	**37**	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**100**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*103 %*	*50-150*		"	"	"	"	
B-18-90704-2-7 (0409103-04) Soil Sampled: 09/07/04 17:15 Received: 09/08/04 08:20									
HC < C8	ND	1.0	mg/kg	1	B4I1730	09/10/04	09/17/04	EPA 8015B	
C8 <= HC < C9	**1.0**	1.0	"	"	"	"	"	"	
C9 <= HC < C10	**1.3**	1.0	"	"	"	"	"	"	
C10 <= HC < C11	**1.4**	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	**2.5**	1.0	"	"	"	"	"	"	
C14 <= HC < C16	**1.7**	1.0	"	"	"	"	"	"	
C16 <= HC < C18	**1.9**	1.0	"	"	"	"	"	"	
C18 <= HC < C20	**1.9**	1.0	"	"	"	"	"	"	
C20 <= HC < C24	**9.1**	1.0	"	"	"	"	"	"	
C24 <= HC < C28	**11**	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**32**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*96.0 %*	*50-150*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:03

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-19-90704-1-4 (0409103-05) Soil Sampled: 09/07/04 17:30 Received: 09/08/04 08:20									
HC < C8	ND	1.0	mg/kg	1	B4I1730	09/10/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	**3.5**	1.0	"	"	"	"	"	"	
C14 <= HC < C16	**4.9**	1.0	"	"	"	"	"	"	
C16 <= HC < C18	**6.5**	1.0	"	"	"	"	"	"	
C18 <= HC < C20	**3.8**	1.0	"	"	"	"	"	"	
C20 <= HC < C24	**24**	1.0	"	"	"	"	"	"	
C24 <= HC < C28	**27**	1.0	"	"	"	"	"	"	
C28 <= HC < C32	**25**	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**95**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*108 %*	*50-150*		"	"	"	"	
B-19-90704-2-7 (0409103-06) Soil Sampled: 09/07/04 17:45 Received: 09/08/04 08:20									
HC < C8	**1.2**	1.0	mg/kg	1	B4I1730	09/10/04	09/17/04	EPA 8015B	
C8 <= HC < C9	**6.0**	1.0	"	"	"	"	"	"	
C9 <= HC < C10	**7.6**	1.0	"	"	"	"	"	"	
C10 <= HC < C11	**7.7**	1.0	"	"	"	"	"	"	
C11 <= HC < C12	**7.7**	1.0	"	"	"	"	"	"	
C12 <= HC < C14	**30**	1.0	"	"	"	"	"	"	
C14 <= HC < C16	**28**	1.0	"	"	"	"	"	"	
C16 <= HC < C18	**29**	1.0	"	"	"	"	"	"	
C18 <= HC < C20	**14**	1.0	"	"	"	"	"	"	
C20 <= HC < C24	**44**	1.0	"	"	"	"	"	"	
C24 <= HC < C28	**37**	1.0	"	"	"	"	"	"	
C28 <= HC < C32	**31**	1.0	"	"	"	"	"	"	
HC >= C32	**1.7**	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**250**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*149 %*	*50-150*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:03

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QCFB-090704 (0409103-01) Liquid Sampled: 09/07/04 18:00 Received: 09/08/04 08:20									
Benzene	ND	1.0	µg/L	1	B4I1329	09/09/04	09/09/04	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:03

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QCFB-090704 (0409103-01) Liquid Sampled: 09/07/04 18:00 Received: 09/08/04 08:20									
Methylene chloride	ND	1.0	µg/L	1	B4I1329	09/09/04	09/09/04	EPA 8260B	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*86-118*		"	"	"	"	
Surrogate: Toluene-d8		*98.2 %*	*88-110*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.0 %*	*86-115*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:03

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QCEB-090704 (0409103-02) Liquid Sampled: 09/07/04 18:10 Received: 09/08/04 08:20									
Benzene	ND	1.0	µg/L	1	B4I1329	09/09/04	09/09/04	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QCEB-090704 (0409103-02) Liquid Sampled: 09/07/04 18:10 Received: 09/08/04 08:20									
Methylene chloride	ND	1.0	µg/L	1	B4I1329	09/09/04	09/09/04	EPA 8260B	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*86-118*		"	"	"	"	
Surrogate: Toluene-d8		*97.4 %*	*88-110*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.6 %*	*86-115*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-18-90704-1-4 (0409103-03) Soil Sampled: 09/07/04 17:00 Received: 09/08/04 08:20									
Benzene	ND	8.3	µg/kg	1	B4I1325	09/09/04	09/09/04	EPA 8260B	
Bromobenzene	ND	8.3	"	"	"	"	"	"	
Bromochloromethane	ND	8.3	"	"	"	"	"	"	
Bromodichloromethane	ND	8.3	"	"	"	"	"	"	
Bromoform	ND	8.3	"	"	"	"	"	"	
Bromomethane	ND	8.3	"	"	"	"	"	"	
n-Butylbenzene	ND	8.3	"	"	"	"	"	"	
sec-Butylbenzene	ND	8.3	"	"	"	"	"	"	
tert-Butylbenzene	ND	8.3	"	"	"	"	"	"	
Carbon tetrachloride	ND	8.3	"	"	"	"	"	"	
Chlorobenzene	ND	8.3	"	"	"	"	"	"	
Chloroethane	ND	8.3	"	"	"	"	"	"	
Chloroform	ND	8.3	"	"	"	"	"	"	
Chloromethane	ND	8.3	"	"	"	"	"	"	
2-Chlorotoluene	ND	8.3	"	"	"	"	"	"	
4-Chlorotoluene	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.3	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	8.3	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	8.3	"	"	"	"	"	"	
Dibromomethane	ND	8.3	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	8.3	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	8.3	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	8.3	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	8.3	"	"	"	"	"	"	
1,1-Dichloroethane	ND	8.3	"	"	"	"	"	"	
1,2-Dichloroethane	ND	8.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	8.3	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	8.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.3	"	"	"	"	"	"	
1,2-Dichloropropane	ND	8.3	"	"	"	"	"	"	
1,3-Dichloropropane	ND	8.3	"	"	"	"	"	"	
2,2-Dichloropropane	ND	8.3	"	"	"	"	"	"	
1,1-Dichloropropene	ND	8.3	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	8.3	"	"	"	"	"	"	
Di-isopropyl ether	ND	8.3	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	8.3	"	"	"	"	"	"	
Ethylbenzene	ND	8.3	"	"	"	"	"	"	
Hexachlorobutadiene	ND	8.3	"	"	"	"	"	"	
Isopropylbenzene	ND	8.3	"	"	"	"	"	"	
p-Isopropyltoluene	ND	8.3	"	"	"	"	"	"	

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-18-90704-1-4 (0409103-03) Soil Sampled: 09/07/04 17:00 Received: 09/08/04 08:20									
Methylene chloride	ND	8.3	µg/kg	1	B4I1325	09/09/04	09/09/04	EPA 8260B	
Methyl tert-butyl ether	ND	8.3	"	"	"	"	"	"	
Naphthalene	ND	8.3	"	"	"	"	"	"	
n-Propylbenzene	ND	8.3	"	"	"	"	"	"	
Styrene	ND	8.3	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	8.3	"	"	"	"	"	"	
Tert-butyl alcohol	ND	41	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	8.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	8.3	"	"	"	"	"	"	
Tetrachloroethene	**140**	8.3	"	"	"	"	"	"	
Toluene	ND	8.3	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	8.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	8.3	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	8.3	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	8.3	"	"	"	"	"	"	
Trichloroethene	**70**	8.3	"	"	"	"	"	"	
Trichlorofluoromethane	ND	8.3	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	8.3	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	8.3	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	8.3	"	"	"	"	"	"	
Vinyl chloride	ND	8.3	"	"	"	"	"	"	
m,p-Xylene	ND	8.3	"	"	"	"	"	"	
o-Xylene	ND	8.3	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*97.0 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.5 %*	*74-121*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-18-90704-2-7 (0409103-04) Soil Sampled: 09/07/04 17:15 Received: 09/08/04 08:20									
Benzene	ND	570	µg/kg	50	B4I1325	09/09/04	09/09/04	EPA 8260B	
Bromobenzene	ND	570	"	"	"	"	"	"	
Bromochloromethane	ND	570	"	"	"	"	"	"	
Bromodichloromethane	ND	570	"	"	"	"	"	"	
Bromoform	ND	570	"	"	"	"	"	"	
Bromomethane	ND	570	"	"	"	"	"	"	
n-Butylbenzene	ND	570	"	"	"	"	"	"	
sec-Butylbenzene	**3700**	570	"	"	"	"	"	"	
tert-Butylbenzene	ND	570	"	"	"	"	"	"	
Carbon tetrachloride	ND	570	"	"	"	"	"	"	
Chlorobenzene	ND	570	"	"	"	"	"	"	
Chloroethane	ND	570	"	"	"	"	"	"	
Chloroform	ND	570	"	"	"	"	"	"	
Chloromethane	ND	570	"	"	"	"	"	"	
2-Chlorotoluene	ND	570	"	"	"	"	"	"	
4-Chlorotoluene	ND	570	"	"	"	"	"	"	
Dibromochloromethane	ND	570	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	570	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	570	"	"	"	"	"	"	
Dibromomethane	ND	570	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	570	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	570	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	570	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	570	"	"	"	"	"	"	
1,1-Dichloroethane	ND	570	"	"	"	"	"	"	
1,2-Dichloroethane	ND	570	"	"	"	"	"	"	
1,1-Dichloroethene	ND	570	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	570	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	570	"	"	"	"	"	"	
1,2-Dichloropropane	ND	570	"	"	"	"	"	"	
1,3-Dichloropropane	ND	570	"	"	"	"	"	"	
2,2-Dichloropropane	ND	570	"	"	"	"	"	"	
1,1-Dichloropropene	ND	570	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	570	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	570	"	"	"	"	"	"	
Di-isopropyl ether	ND	570	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	570	"	"	"	"	"	"	
Ethylbenzene	**7900**	570	"	"	"	"	"	"	
Hexachlorobutadiene	ND	570	"	"	"	"	"	"	
Isopropylbenzene	**5100**	570	"	"	"	"	"	"	
p-Isopropyltoluene	**2400**	570	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:03

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-18-90704-2-7 (0409103-04) Soil Sampled: 09/07/04 17:15 Received: 09/08/04 08:20									
Methylene chloride	ND	570	µg/kg	50	B4I1325	09/09/04	09/09/04	EPA 8260B	
Methyl tert-butyl ether	ND	570	"	"	"	"	"	"	
Naphthalene	**30000**	570	"	"	"	"	"	"	
n-Propylbenzene	**8100**	570	"	"	"	"	"	"	
Styrene	ND	570	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	570	"	"	"	"	"	"	
Tert-butyl alcohol	ND	2900	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	570	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	570	"	"	"	"	"	"	
Tetrachloroethene	ND	570	"	"	"	"	"	"	
Toluene	ND	570	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	570	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	570	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	570	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	570	"	"	"	"	"	"	
Trichloroethene	ND	570	"	"	"	"	"	"	
Trichlorofluoromethane	ND	570	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	570	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**6700**	570	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	570	"	"	"	"	"	"	
Vinyl chloride	ND	570	"	"	"	"	"	"	
m,p-Xylene	ND	570	"	"	"	"	"	"	
o-Xylene	ND	570	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*98.2 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.1 %*	*74-121*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-19-90704-1-4 (0409103-05) Soil Sampled: 09/07/04 17:30 Received: 09/08/04 08:20									
Benzene	ND	3.9	µg/kg	1	B4I1325	09/09/04	09/09/04	EPA 8260B	
Bromobenzene	ND	3.9	"	"	"	"	"	"	
Bromochloromethane	ND	3.9	"	"	"	"	"	"	
Bromodichloromethane	ND	3.9	"	"	"	"	"	"	
Bromoform	ND	3.9	"	"	"	"	"	"	
Bromomethane	ND	3.9	"	"	"	"	"	"	
n-Butylbenzene	ND	3.9	"	"	"	"	"	"	
sec-Butylbenzene	**4.6**	3.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	3.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	3.9	"	"	"	"	"	"	
Chlorobenzene	ND	3.9	"	"	"	"	"	"	
Chloroethane	ND	3.9	"	"	"	"	"	"	
Chloroform	ND	3.9	"	"	"	"	"	"	
Chloromethane	ND	3.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	3.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	3.9	"	"	"	"	"	"	
Dibromochloromethane	ND	3.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	3.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	3.9	"	"	"	"	"	"	
Dibromomethane	ND	3.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	3.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	3.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	3.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	3.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	3.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	3.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	3.9	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	3.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	3.9	"	"	"	"	"	"	
Di-isopropyl ether	ND	3.9	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	3.9	"	"	"	"	"	"	
Ethylbenzene	**13**	3.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	3.9	"	"	"	"	"	"	
Isopropylbenzene	**7.0**	3.9	"	"	"	"	"	"	
p-Isopropyltoluene	**5.2**	3.9	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-19-90704-1-4 (0409103-05) Soil Sampled: 09/07/04 17:30 Received: 09/08/04 08:20									
Methylene chloride	ND	3.9	µg/kg	1	B4I1325	09/09/04	09/09/04	EPA 8260B	
Methyl tert-butyl ether	ND	3.9	"	"	"	"	"	"	
Naphthalene	**69**	3.9	"	"	"	"	"	"	
n-Propylbenzene	**8.7**	3.9	"	"	"	"	"	"	
Styrene	ND	3.9	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	3.9	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	3.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	3.9	"	"	"	"	"	"	
Tetrachloroethene	**71**	3.9	"	"	"	"	"	"	
Toluene	**5.6**	3.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	3.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	3.9	"	"	"	"	"	"	
Trichloroethene	**8.7**	3.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	3.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	3.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**27**	3.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	3.9	"	"	"	"	"	"	
Vinyl chloride	ND	3.9	"	"	"	"	"	"	
m,p-Xylene	ND	3.9	"	"	"	"	"	"	
o-Xylene	ND	3.9	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95.2 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*97.0 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.4 %*	*74-121*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-19-90704-2-7 (0409103-06) Soil Sampled: 09/07/04 17:45 Received: 09/08/04 08:20									
Benzene	ND	4.0	µg/kg	1	B4I1325	09/09/04	09/09/04	EPA 8260B	
Bromobenzene	ND	4.0	"	"	"	"	"	"	
Bromochloromethane	ND	4.0	"	"	"	"	"	"	
Bromodichloromethane	ND	4.0	"	"	"	"	"	"	
Bromoform	ND	4.0	"	"	"	"	"	"	
Bromomethane	ND	4.0	"	"	"	"	"	"	
n-Butylbenzene	ND	4.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	4.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.0	"	"	"	"	"	"	
Chloroethane	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.0	"	"	"	"	"	"	
Chloromethane	ND	4.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.0	"	"	"	"	"	"	
Dibromochloromethane	ND	4.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.0	"	"	"	"	"	"	
Dibromomethane	ND	4.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	4.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	4.0	"	"	"	"	"	"	
Ethylbenzene	**6.7**	4.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.0	"	"	"	"	"	"	
Isopropylbenzene	**5.5**	4.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.0	"	"	"	"	"	"	

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-19-90704-2-7 (0409103-06) Soil Sampled: 09/07/04 17:45 Received: 09/08/04 08:20									
Methylene chloride	ND	4.0	µg/kg	1	B4I1325	09/09/04	09/09/04	EPA 8260B	
Methyl tert-butyl ether	ND	4.0	"	"	"	"	"	"	
Naphthalene	**37**	4.0	"	"	"	"	"	"	
n-Propylbenzene	ND	4.0	"	"	"	"	"	"	
Styrene	ND	4.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	4.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.0	"	"	"	"	"	"	
Tetrachloroethene	ND	4.0	"	"	"	"	"	"	
Toluene	ND	4.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.0	"	"	"	"	"	"	
Trichloroethene	ND	4.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**18**	4.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.0	"	"	"	"	"	"	
Vinyl chloride	ND	4.0	"	"	"	"	"	"	
m,p-Xylene	ND	4.0	"	"	"	"	"	"	
o-Xylene	ND	4.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.9 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*95.0 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.7 %*	*74-121*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I0810 - 7199										
Blank (B4I0810-BLK1)				Prepared & Analyzed: 09/08/04						
Hexavalent Chromium	ND	0.0020	mg/L							
LCS (B4I0810-BS1)				Prepared & Analyzed: 09/08/04						
Hexavalent Chromium	0.00646	0.0020	mg/L	0.00600		108	90-110			
Matrix Spike (B4I0810-MS1)		Source: 0409103-01		Prepared & Analyzed: 09/08/04						
Hexavalent Chromium	ND	0.0020	mg/L	0.00600	ND		80-120			QM-01
Matrix Spike Dup (B4I0810-MSD1)		Source: 0409103-01		Prepared & Analyzed: 09/08/04						
Hexavalent Chromium	ND	0.0020	mg/L	0.00600	ND		80-120		20	QM-01
Batch B4I1003 - EPA 3060A										
Blank (B4I1003-BLK1)				Prepared & Analyzed: 09/10/04						
Hexavalent Chromium	ND	0.50	mg/kg							
LCS (B4I1003-BS1)				Prepared: 09/10/04 Analyzed: 09/13/04						
Hexavalent Chromium	2.73	0.50	mg/kg	2.50		109	80-120			
Matrix Spike (B4I1003-MS1)		Source: 0409103-03		Prepared & Analyzed: 09/10/04						
Hexavalent Chromium	3.05	0.50	mg/kg	2.40	0.29	115	75-125			
Matrix Spike Dup (B4I1003-MSD1)		Source: 0409103-03		Prepared & Analyzed: 09/10/04						
Hexavalent Chromium	2.96	0.50	mg/kg	2.45	0.29	109	75-125	3.00	20	
Batch B4I1326 - EPA 3050B										
Blank (B4I1326-BLK1)				Prepared: 09/13/04 Analyzed: 09/16/04						
Antimony	ND	1.0	mg/kg							
Arsenic	ND	1.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	1.0	"							
Chromium	ND	2.5	"							
Cobalt	ND	1.0	"							
Copper	ND	2.5	"							
Lead	ND	1.0	"							
Molybdenum	ND	1.5	"							
Nickel	ND	1.0	"							
Selenium	ND	1.5	"							
Silver	ND	1.0	"							

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:03

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1326 - EPA 3050B										
Blank (B4I1326-BLK1)				Prepared: 09/13/04 Analyzed: 09/16/04						
Thallium	ND	1.0	mg/kg							
Vanadium	ND	1.0	"							
Zinc	ND	5.0	"							
LCS (B4I1326-BS1)				Prepared: 09/13/04 Analyzed: 09/16/04						
Antimony	51.5	1.0	mg/kg	50.0		103	80-120			
Arsenic	51.4	1.0	"	50.0		103	80-120			
Barium	54.1	1.0	"	50.0		108	80-120			
Beryllium	52.4	1.0	"	50.0		105	80-120			
Cadmium	52.9	1.0	"	50.0		106	80-120			
Chromium	49.7	2.5	"	50.0		99.4	80-120			
Cobalt	50.5	1.0	"	50.0		101	80-120			
Copper	49.5	2.5	"	50.0		99.0	80-120			
Lead	51.6	1.0	"	50.0		103	80-120			
Molybdenum	50.1	1.5	"	50.0		100	80-120			
Nickel	50.7	1.0	"	50.0		101	80-120			
Selenium	50.9	1.5	"	50.0		102	80-120			
Silver	53.0	1.0	"	50.0		106	80-120			
Thallium	53.3	1.0	"	50.0		107	80-120			
Vanadium	52.0	1.0	"	50.0		104	80-120			
Zinc	50.0	5.0	"	50.0		100	80-120			
Matrix Spike (B4I1326-MS1)		Source: 0409103-03		Prepared: 09/13/04 Analyzed: 09/16/04						
Antimony	43.7	1.0	mg/kg	49.2	0.80	87.2	75-125			
Arsenic	50.1	1.0	"	49.2	7.5	86.6	75-125			
Barium	230	1.0	"	49.2	170	122	75-125			QM-HA
Beryllium	45.2	1.0	"	49.2	0.62	90.6	75-125			
Cadmium	50.2	1.0	"	49.2	0.33	101	75-125			
Chromium	79.4	2.5	"	49.2	31	98.4	75-125			
Cobalt	58.8	1.0	"	49.2	12	95.1	75-125			
Copper	94.6	2.5	"	49.2	49	92.7	75-125			
Lead	54.2	1.0	"	49.2	8.5	92.9	75-125			
Molybdenum	48.7	1.5	"	49.2	0.45	98.1	75-125			
Nickel	72.8	1.0	"	49.2	26	95.1	75-125			
Selenium	40.7	1.5	"	49.2	ND	82.7	75-125			
Silver	48.6	1.0	"	49.2	ND	98.8	75-125			
Thallium	47.5	1.0	"	49.2	0.20	96.1	75-125			
Vanadium	114	1.0	"	49.2	58	114	75-125			

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:03

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1326 - EPA 3050B										
Matrix Spike (B4I1326-MS1)		**Source: 0409103-03**		Prepared: 09/13/04		Analyzed: 09/16/04				
Zinc	108	5.0	mg/kg	49.2	63	91.5	75-125			
Matrix Spike Dup (B4I1326-MSD1)		**Source: 0409103-03**		Prepared: 09/13/04		Analyzed: 09/16/04				
Antimony	39.0	1.0	mg/kg	45.6	0.80	83.8	75-125	11.4	20	
Arsenic	46.2	1.0	"	45.6	7.5	84.9	75-125	8.10	20	
Barium	236	1.0	"	45.6	170	145	75-125	2.58	20	QM-HA
Beryllium	41.0	1.0	"	45.6	0.62	88.6	75-125	9.74	20	
Cadmium	46.1	1.0	"	45.6	0.33	100	75-125	8.52	20	
Chromium	73.8	2.5	"	45.6	31	93.9	75-125	7.31	20	
Cobalt	53.9	1.0	"	45.6	12	91.9	75-125	8.70	20	
Copper	86.7	2.5	"	45.6	49	82.7	75-125	8.71	20	
Lead	47.8	1.0	"	45.6	8.5	86.2	75-125	12.5	20	
Molybdenum	45.3	1.5	"	45.6	0.45	98.4	75-125	7.23	20	
Nickel	68.2	1.0	"	45.6	26	92.5	75-125	6.52	20	
Selenium	36.9	1.5	"	45.6	ND	80.9	75-125	9.79	20	
Silver	44.6	1.0	"	45.6	ND	97.8	75-125	8.58	20	
Thallium	43.1	1.0	"	45.6	0.20	94.1	75-125	9.71	20	
Vanadium	106	1.0	"	45.6	58	105	75-125	7.27	20	
Zinc	103	5.0	"	45.6	63	87.7	75-125	4.74	20	
Batch B4I1328 - EPA 7471A										
Blank (B4I1328-BLK1)				Prepared: 09/13/04		Analyzed: 09/24/04				
Mercury	ND	0.18	mg/kg							
LCS (B4I1328-BS1)				Prepared: 09/13/04		Analyzed: 09/24/04				
Mercury	0.14	0.18	mg/kg	0.167		83.8	70-130			

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:03

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1328 - EPA 7471A										
Matrix Spike (B4I1328-MS1)		**Source: 0409103-03**		Prepared: 09/13/04	Analyzed: 09/24/04					
Mercury	0.16	0.18	mg/kg	0.160	0.10	37.5	70-130			QM-07
Matrix Spike Dup (B4I1328-MSD1)		**Source: 0409103-03**		Prepared: 09/13/04	Analyzed: 09/24/04					
Mercury	0.15	0.16	mg/kg	0.152	0.10	32.9	70-130	6.45	25	QM-07
Batch B4I1435 - EPA 7470A										
Blank (B4I1435-BLK1)				Prepared: 09/14/04	Analyzed: 09/24/04					
Mercury	ND	0.0007	mg/L							
LCS (B4I1435-BS1)				Prepared: 09/14/04	Analyzed: 09/24/04					
Mercury	0.0009	0.0007	mg/L	0.00100		90.0	80-120			
Matrix Spike (B4I1435-MS1)		**Source: 0409103-01**		Prepared: 09/14/04	Analyzed: 09/24/04					
Mercury	0.001	0.0007	mg/L	0.00100	ND	100	80-120			
Matrix Spike Dup (B4I1435-MSD1)		**Source: 0409103-01**		Prepared: 09/14/04	Analyzed: 09/24/04					
Mercury	0.001	0.0007	mg/L	0.00100	ND	100	80-120	0.00	20	
Batch B4I1520 - EPA 3010A										
Blank (B4I1520-BLK1)				Prepared: 09/15/04	Analyzed: 09/17/04					
Antimony	ND	2.0	µg/L							
Arsenic	ND	2.0	"							
Barium	ND	1.0	"							
Beryllium	ND	0.040	"							
Cadmium	ND	2.0	"							
Chromium	ND	5.0	"							
Cobalt	ND	2.0	"							
Copper	ND	5.0	"							
Lead	ND	2.0	"							
Molybdenum	ND	2.0	"							
Nickel	ND	1.0	"							
Selenium	ND	2.0	"							
Silver	ND	2.0	"							
Thallium	ND	2.0	"							
Vanadium	ND	2.0	"							
Zinc	ND	10	"							

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:03

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1520 - EPA 3010A										
LCS (B4I1520-BS1)				Prepared: 09/15/04		Analyzed: 09/17/04				
Antimony	102	2.0	µg/L	100		102	80-120			
Arsenic	95.1	2.0	"	100		95.1	80-120			
Barium	107	1.0	"	100		107	80-120			
Beryllium	99.7	0.040	"	100		99.7	80-120			
Cadmium	103	2.0	"	100		103	80-120			
Chromium	104	5.0	"	100		104	80-120			
Cobalt	101	2.0	"	100		101	80-120			
Copper	99.1	5.0	"	100		99.1	80-120			
Lead	101	2.0	"	100		101	80-120			
Molybdenum	104	2.0	"	100		104	80-120			
Nickel	100	1.0	"	100		100	80-120			
Selenium	93.2	2.0	"	100		93.2	80-120			
Silver	107	2.0	"	100		107	80-120			
Thallium	107	2.0	"	100		107	80-120			
Vanadium	96.5	2.0	"	100		96.5	80-120			
Zinc	92.0	10	"	100		92.0	80-120			
Matrix Spike (B4I1520-MS1)		**Source: 0409103-01**		Prepared: 09/15/04		Analyzed: 09/17/04				
Antimony	98.0	2.0	µg/L	100	ND	98.0	75-125			
Arsenic	90.8	2.0	"	100	ND	90.8	75-125			
Barium	104	1.0	"	100	ND	104	75-125			
Beryllium	94.8	0.040	"	100	0.013	94.8	75-125			
Cadmium	97.7	2.0	"	100	ND	97.7	75-125			
Chromium	103	5.0	"	100	1.7	101	75-125			
Cobalt	99.3	2.0	"	100	ND	99.3	75-125			
Copper	96.8	5.0	"	100	ND	96.8	75-125			
Lead	98.7	2.0	"	100	ND	98.7	75-125			
Molybdenum	99.9	2.0	"	100	0.36	99.5	75-125			
Nickel	98.1	1.0	"	100	ND	98.1	75-125			
Selenium	88.1	2.0	"	100	0.071	88.0	75-125			
Silver	103	2.0	"	100	0.022	103	75-125			
Thallium	104	2.0	"	100	0.37	104	75-125			
Vanadium	86.8	2.0	"	100	ND	86.8	75-125			
Zinc	86.5	10	"	100	ND	86.5	75-125			

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:03

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1520 - EPA 3010A										
Matrix Spike Dup (B4I1520-MSD1)		**Source: 0409103-01**		Prepared: 09/15/04		Analyzed: 09/17/04				
Antimony	95.4	2.0	µg/L	100	ND	95.4	75-125	2.69	20	
Arsenic	90.2	2.0	"	100	ND	90.2	75-125	0.663	20	
Barium	102	1.0	"	100	ND	102	75-125	1.94	20	
Beryllium	91.7	0.040	"	100	0.013	91.7	75-125	3.32	20	
Cadmium	95.0	2.0	"	100	ND	95.0	75-125	2.80	20	
Chromium	102	5.0	"	100	1.7	100	75-125	0.976	20	
Cobalt	98.8	2.0	"	100	ND	98.8	75-125	0.505	20	
Copper	95.3	5.0	"	100	ND	95.3	75-125	1.56	20	
Lead	95.1	2.0	"	100	ND	95.1	75-125	3.72	20	
Molybdenum	97.5	2.0	"	100	0.36	97.1	75-125	2.43	20	
Nickel	98.0	1.0	"	100	ND	98.0	75-125	0.102	20	
Selenium	87.9	2.0	"	100	0.071	87.8	75-125	0.227	20	
Silver	101	2.0	"	100	0.022	101	75-125	1.96	20	
Thallium	101	2.0	"	100	0.37	101	75-125	2.93	20	
Vanadium	88.9	2.0	"	100	ND	88.9	75-125	2.39	20	
Zinc	86.5	10	"	100	ND	86.5	75-125	0.00	20	

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

STLC Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J2608 - EPA 3010A										
Blank (B4J2608-BLK1)				Prepared & Analyzed: 10/26/04						
Copper	ND	0.42	mg/L							
Nickel	ND	0.21	"							
LCS (B4J2608-BS1)				Prepared & Analyzed: 10/26/04						
Copper	2.19	0.42	mg/L	2.00		110	70-130			
Nickel	2.00	0.21	"	2.00		100	80-120			
Duplicate (B4J2608-DUP1)		Source: 0409103-05		Prepared & Analyzed: 10/26/04						
Copper	26.0	0.42	mg/L		21.8			17.6	20	
Nickel	21.4	0.21	"		14.2			40.4	20	QR-02
Matrix Spike (B4J2608-MS1)		Source: 0409103-05		Prepared & Analyzed: 10/26/04						
Copper	24.4	0.42	mg/L	2.00	21.8	130	75-125			QM-07
Nickel	16.4	0.21	"	2.00	14.2	110	80-120			
Matrix Spike Dup (B4J2608-MSD1)		Source: 0409103-05		Prepared & Analyzed: 10/26/04						
Copper	23.9	0.42	mg/L	2.00	21.8	105	75-125	2.07	20	
Nickel	16.0	0.21	"	2.00	14.2	90.0	80-120	2.47	20	

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:03

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1730 - EPA 3550B Solid Ext										
Blank (B4I1730-BLK1)				Prepared: 09/16/04 Analyzed: 09/17/04						
HC < C8	ND	1.0	mg/kg							
C8 <= HC < C9	ND	1.0	"							
C9 <= HC < C10	ND	1.0	"							
C10 <= HC < C11	ND	1.0	"							
C11 <= HC < C12	ND	1.0	"							
C12 <= HC < C14	ND	1.0	"							
C14 <= HC < C16	ND	1.0	"							
C16 <= HC < C18	ND	1.0	"							
C18 <= HC < C20	ND	1.0	"							
C20 <= HC < C24	ND	1.0	"							
C24 <= HC < C28	ND	1.0	"							
C28 <= HC < C32	ND	1.0	"							
HC >= C32	ND	1.0	"							
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"							
Surrogate: o-Terphenyl	*7.80*		*"*	*7.50*		*104*	*50-150*			
LCS (B4I1730-BS1)				Prepared: 09/16/04 Analyzed: 09/17/04						
Diesel Range Organics (C10-C24)	102	5.0	mg/kg	100		102	80-120			
LCS (B4I1730-BS2)				Prepared & Analyzed: 09/17/04						
Diesel Range Organics (C10-C24)	96.3	5.0	mg/kg	100		96.3	80-120			
LCS Dup (B4I1730-BSD1)				Prepared & Analyzed: 09/17/04						
Diesel Range Organics (C10-C24)	96.6	5.0	mg/kg	100		96.6	80-120	5.44	30	
Batch B4I1731 - EPA 3510C Sep Funnel										
Blank (B4I1731-BLK1)				Prepared: 09/16/04 Analyzed: 09/21/04						
HC < C8	ND	0.010	mg/L							
C8 <= HC < C9	ND	0.010	"							
C9 <= HC < C10	ND	0.010	"							
C10 <= HC < C11	ND	0.010	"							
C11 <= HC < C12	ND	0.010	"							
C12 <= HC < C14	ND	0.010	"							
C14 <= HC < C16	ND	0.010	"							
C16 <= HC < C18	ND	0.010	"							
C18 <= HC < C20	ND	0.010	"							
C20 <= HC < C24	ND	0.010	"							
C24 <= HC < C28	ND	0.010	"							

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:03

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1731 - EPA 3510C Sep Funnel										
Blank (B4I1731-BLK1)				Prepared: 09/16/04	Analyzed: 09/17/04					
C28 <= HC < C32	ND	0.010	mg/L							
HC >= C32	ND	0.010	"							
Total Petroleum Hydrocarbons (C7-C36)	ND	0.050	"							
Diesel Range Organics (C10-C24)	ND	0.050	"							
Surrogate: o-Terphenyl	*0.0540*		"	*0.0750*		*72.0*	*50-150*			
LCS (B4I1731-BS1)				Prepared: 09/16/04	Analyzed: 09/17/04					
Diesel Range Organics (C10-C24)	0.885	0.050	mg/L	1.00		88.5	80-120			
LCS (B4I1731-BS2)				Prepared: 09/16/04	Analyzed: 09/17/04					
Diesel Range Organics (C10-C24)	0.876	0.050	mg/L	1.00		87.6	80-120			
LCS Dup (B4I1731-BSD1)				Prepared: 09/16/04	Analyzed: 09/17/04					
Diesel Range Organics (C10-C24)	0.913	0.050	mg/L	1.00		91.3	80-120	3.11	30	

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1329 - EPA 5030B P & T										
Blank (B4I1329-BLK1)				Prepared & Analyzed: 09/09/04						
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	"							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	1.0	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	1.0	"							
trans-1,3-Dichloropropene	ND	1.0	"							
Di-isopropyl ether	ND	1.0	"							
Ethyl tert-butyl ether	ND	1.0	"							

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1329 - EPA 5030B P & T										
Blank (B4I1329-BLK1)				Prepared & Analyzed: 09/09/04						
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							
p-Isopropyltoluene	ND	1.0	"							
Methylene chloride	ND	1.0	"							
Methyl tert-butyl ether	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
Tert-amyl methyl ether	ND	1.0	"							
Tert-butyl alcohol	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Toluene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	5.0	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	1.0	"							
Surrogate: Dibromofluoromethane	*55.0*		"	*50.0*		*110*	*86-118*			
Surrogate: Toluene-d8	*48.2*		"	*50.0*		*96.4*	*88-110*			
Surrogate: 4-Bromofluorobenzene	*48.4*		"	*50.0*		*96.8*	*86-115*			

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:03

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1329 - EPA 5030B P & T										
LCS (B4I1329-BS1)				Prepared & Analyzed: 09/09/04						
Benzene	47.7	1.0	µg/L	50.0		95.4	80-120			
Chlorobenzene	49.6	1.0	"	50.0		99.2	80-120			
1,1-Dichloroethene	43.9	1.0	"	50.0		87.8	80-120			
Toluene	47.5	1.0	"	50.0		95.0	80-120			
Trichloroethene	51.7	1.0	"	50.0		103	80-120			
Matrix Spike (B4I1329-MS1)		Source: 0409112-12		Prepared: 09/09/04		Analyzed: 09/10/04				
Benzene	46.8	1.0	µg/L	50.0	ND	93.6	37-151			
Chlorobenzene	54.9	1.0	"	50.0	ND	110	37-160			
1,1-Dichloroethene	40.5	1.0	"	50.0	ND	81.0	50-150			
Toluene	48.4	1.0	"	50.0	ND	96.8	47-150			
Trichloroethene	50.1	1.0	"	50.0	ND	100	71-157			
Matrix Spike Dup (B4I1329-MSD1)		Source: 0409112-12		Prepared: 09/09/04		Analyzed: 09/10/04				
Benzene	51.1	1.0	µg/L	50.0	ND	102	37-151	8.78	30	
Chlorobenzene	61.0	1.0	"	50.0	ND	122	37-160	10.5	30	
1,1-Dichloroethene	46.4	1.0	"	50.0	ND	92.8	50-150	13.6	30	
Toluene	53.8	1.0	"	50.0	ND	108	47-150	10.6	30	
Trichloroethene	55.4	1.0	"	50.0	ND	111	71-157	10.0	30	

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26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
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Notes and Definitions

H-01	Sample received without sufficient time to complete analysis within recommended holding time.
QM-01	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-HA	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to high analyte concentration.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Project Addendum / Change Order

Sierra Project Number : 0409103 Sierra Project manager : Brianne

Client Name : Komex Turn Around Time : Normal

Client Project ID : APC - H0287B Sample Location : —

Sierra Sample No.	Matrix	Addendum / Change to be performed
05	Soil	STLC - Copper / Nickel

Addendum / Change Order Taken By :

Andrew Kim

Signature

11/01/04 10:00

Date Time

Addendum / Change Order Requested By:

Lee Paprocki

Printed Name

Requested Via : email

FAX Letter Phone ~~In Person~~

Project Addendum / Change Order

Sierra Project Number : 0409103 Sierra Project manager :

Client Name : Komoso Turn Around Time : Norm

Client Project ID : APC Sample Location : B 13

Sierra Sample No.	Matrix	Addendum / Change to be performed
05	SOIL	ANALYZE FOR CHROMIE

Addendum / Change Order Taken By :

Signature

11/2/04 11:00

Date Time

Addendum / Change Order Requested By:

LEE PAPROCKI

Printed Name

Requested Via :

FAX Letter Phone In Person

SIERRA ANALYTICAL
TEL: 949 • 348 • 9389
FAX: 949 • 348 • 9115
26052 Merit Circle • Suite 105 • Laguna Hills, CA • 92653

CHAIN OF CUSTODY RECORD

Date: 9/7/04 Page 1 of 1

Lab Work Order No.: 0409103

Client: Komex
Client Address: 5455 Garden Grove Blvd
Suite 200
Westminster, CA 92683

Client Tel. No: 714-379-1157
Client Fax No.: 714-379-1160
Client Proj. Mgr.: Lee Paprocki

Client Project ID:

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☑ Normal ☐ Mobile

Analysis Requested

Geotracker EDD Info:

Client LOGCODE

Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	TPHg 8015M - carbon range A	VOCs 8260B full	335.2 Cyanide	7199 Hex. Chromium	6020 Metals	7471 Mercury	pH 9040B					Field Point Names / Comments
QCFB-090704	01	9/7/04	6:00	W		mixed	7	X	X	X	X	X	X						
QCEB-090704	02		6:10	W		mixed	7	X	X	X	X	X	X						
B-18-90704-1-4	03		5:00	S	encore + sleeve	→	3+1	X	X	X	X	X	X	X					
B-18-90704-2-7	04		5:15	S	encores + sleeve	→	3+1	X	X	X	X	X	X	X					
B-19-90704-1-4	05		5:30	S		encores + sleeve	3+1	X	X	X	X	X	X	X					
B-19-90704-2-7	06		5:45	S		encores + sleeve	3+1	X	X	X	X	X	X	X					

1 Sampler Signature: Lee Paprocki		Shipped Via: SIERRA	
Printed Name: Lee Paprocki		(Carrier/Waybill No.)	
2 Relinquished By: Lee Paprocki	Date: 9/7/04	Received By: Rick Fruitt	Date: 9-8-04
Company: Komex	Time:	Company: SIERRA	Time: 8:20
3 Relinquished By: Richard R Fruitt	Date: 9-8-04	Received By: [signature]	Date: 9.8.04
Company: SIERRA	Time: 9:30	Company: Sierra	Time: 9:30
4 Relinquished By:	Date:	Received By:	Date:
Company:	Time:	Company:	Time:

30

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☑ Lab Disposal*
☐ Archive _____ mos.
☐ Other _____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 3°C
☐ Sample Seals ☑ Preservatives - Verified By: LF
☑ Properly Labeled ☐ Other
☑ Appropriate Sample Container ☒ Storage Location R3A R1B5/B-13

Special Instructions:
* please sample the encores for TPH + VOCs only
please sample the soil sleeve for metals, cyanide + pH

Rev: 1/02

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

714.330.0783

SIERRA
ANALYTICAL

05 November 2004

Lee Paprocki
Komex H2O Science
5455 Garden Grove Blvd. Suite 200
Westminster, CA 92683

RE:APC

Work Order No.: 0409113

Attached are the results of the analyses for samples received by the laboratory on 09/09/04 08:02.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report.
If you require any additional retaining time, please advise us.

Sincerely,

Richard K. Forsyth

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320.

RECEIVED
NOV 09 2004
By

26052 Merit Circle Suite 105, Laguna Hills, California 92653
Telephone: (949) 348-9389 Fax: (949) 348-9115
E-Mail: sierralabs@earthlink.net

SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-5-90804-1-1	0409113-01	Soil	09/08/04 08:40	09/09/04 08:02
B-5-90804-2-4	0409113-02	Soil	09/08/04 08:50	09/09/04 08:02
B-5-90804-3-7	0409113-03	Soil	09/08/04 09:05	09/09/04 08:02
B-6-90804-1-1	0409113-04	Soil	09/08/04 09:15	09/09/04 08:02
B-6-90804-2-4	0409113-05	Soil	09/08/04 09:20	09/09/04 08:02
B-6-90804-3-7	0409113-06	Soil	09/08/04 09:30	09/09/04 08:02
B-2-90804-1-1	0409113-07	Soil	09/08/04 09:40	09/09/04 08:02
B-2-90804-2-4	0409113-08	Soil	09/08/04 09:50	09/09/04 08:02
B-2-90804-3-7	0409113-09	Soil	09/08/04 10:00	09/09/04 08:02
B-3-90804-1-1	0409113-10	Soil	09/08/04 11:40	09/09/04 08:02
B-27-90804-3-7	0409113-11	Soil	09/08/04 15:50	09/09/04 08:02
B-26-90804-1-1	0409113-12	Soil	09/08/04 15:00	09/09/04 08:02
B-26-90804-2-4	0409113-13	Soil	09/08/04 15:10	09/09/04 08:02
B-26-90804-3-7	0409113-14	Soil	09/08/04 15:20	09/09/04 08:02
B-25-90804-1-1	0409113-15	Soil	09/08/04 14:30	09/09/04 08:02
B-25-90804-2-4	0409113-16	Soil	09/08/04 14:40	09/09/04 08:02
B-25-90804-3-7	0409113-17	Soil	09/08/04 14:50	09/09/04 08:02
B-24-90804-1-1	0409113-18	Soil	09/08/04 14:00	09/09/04 08:02
B-24-90804-2-4	0409113-19	Soil	09/08/04 14:10	09/09/04 08:02
B-24-90804-3-7	0409113-20	Soil	09/08/04 14:20	09/09/04 08:02
B-23-90804-1-1	0409113-21	Soil	09/08/04 13:30	09/09/04 08:02
B-23-90804-2-4	0409113-22	Soil	09/08/04 13:40	09/09/04 08:02
B-23-90804-3-7	0409113-23	Soil	09/08/04 13:50	09/09/04 08:02
B-20-90804-1-1	0409113-24	Soil	09/08/04 10:10	09/09/04 08:02
B-20-90804-2-4	0409113-25	Soil	09/08/04 10:20	09/09/04 08:02
B-20-90804-3-7	0409113-26	Soil	09/08/04 10:30	09/09/04 08:02
QCFB-090804	0409113-27	Liquid	09/08/04 16:45	09/09/04 08:02
QCEB-090804	0409113-28	Liquid	09/08/04 16:40	09/09/04 08:02
B-3-90804-2-4	0409113-29	Soil	09/08/04 11:50	09/09/04 08:02
B-3-90804-3-7	0409113-30	Soil	09/08/04 12:00	09/09/04 08:02

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-10-90804-1-1	0409113-31	Soil	09/08/04 10:40	09/09/04 08:02
B-10-90804-2-4	0409113-32	Soil	09/08/04 10:50	09/09/04 08:02
B-10-90804-3-7	0409113-33	Soil	09/08/04 11:00	09/09/04 08:02
B-22-90804-1-1	0409113-34	Soil	09/08/04 11:10	09/09/04 08:02
B-22-90804-2-4	0409113-35	Soil	09/08/04 11:20	09/09/04 08:02
B-22-90804-3-7	0409113-36	Soil	09/08/04 11:30	09/09/04 08:02
B-27-90804-1-1	0409113-37	Soil	09/08/04 15:30	09/09/04 08:02
B-27-90804-2-4	0409113-38	Soil	09/08/04 15:40	09/09/04 08:02

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION: Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES: All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA: All quality objective criteria were met, except as noted in the report with data qualifiers.

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-5-90804-1-1 (0409113-01) Soil	**Sampled: 09/08/04 08:40**	**Received: 09/09/04 08:02**							
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**9.80**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-5-90804-2-4 (0409113-02) Soil	**Sampled: 09/08/04 08:50**	**Received: 09/09/04 08:02**							
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.70**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-5-90804-3-7 (0409113-03) Soil	**Sampled: 09/08/04 09:05**	**Received: 09/09/04 08:02**							
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.40**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-6-90804-1-1 (0409113-04) Soil	**Sampled: 09/08/04 09:15**	**Received: 09/09/04 08:02**							
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.20**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-6-90804-2-4 (0409113-05) Soil	**Sampled: 09/08/04 09:20**	**Received: 09/09/04 08:02**							
Chloride	**1800**	1250	mg/kg	2500	B4K0446	11/04/04	11/05/04	SM 4500-Cl-B	H-01
Cyanide (total)	ND	2.50	"	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.50**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-6-90804-3-7 (0409113-06) Soil	**Sampled: 09/08/04 09:30**	**Received: 09/09/04 08:02**							
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.50**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-2-90804-1-1 (0409113-07) Soil	**Sampled: 09/08/04 09:40**	**Received: 09/09/04 08:02**							
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**4.20**	0.100	pH Units	1	"	"	"	EPA 9045C	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2-90804-2-4 (0409113-08) Soil Sampled: 09/08/04 09:50 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**6.80**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-2-90804-3-7 (0409113-09) Soil Sampled: 09/08/04 10:00 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.20**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-3-90804-1-1 (0409113-10) Soil Sampled: 09/08/04 11:40 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**11.9**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-27-90804-3-7 (0409113-11) Soil Sampled: 09/08/04 15:50 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.20**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-26-90804-1-1 (0409113-12) Soil Sampled: 09/08/04 15:00 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**6.90**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-26-90804-2-4 (0409113-13) Soil Sampled: 09/08/04 15:10 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**6.80**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-26-90804-3-7 (0409113-14) Soil Sampled: 09/08/04 15:20 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**6.60**	0.100	pH Units	1	"	"	"	EPA 9045C	

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E-MAIL: SIERRALABS @ SIERRALABS.NET

SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-25-90804-1-1 (0409113-15) Soil Sampled: 09/08/04 14:30 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.80**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-25-90804-2-4 (0409113-16) Soil Sampled: 09/08/04 14:40 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.70**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-25-90804-3-7 (0409113-17) Soil Sampled: 09/08/04 14:50 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.50**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-24-90804-1-1 (0409113-18) Soil Sampled: 09/08/04 14:00 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**8.30**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-24-90804-2-4 (0409113-19) Soil Sampled: 09/08/04 14:10 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.80**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-24-90804-3-7 (0409113-20) Soil Sampled: 09/08/04 14:20 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.50**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-23-90804-1-1 (0409113-21) Soil Sampled: 09/08/04 13:30 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.70**	0.100	pH Units	1	"	"	"	EPA 9045C	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:06

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-23-90804-2-4 (0409113-22) Soil Sampled: 09/08/04 13:40 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.50**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-23-90804-3-7 (0409113-23) Soil Sampled: 09/08/04 13:50 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.40**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-20-90804-1-1 (0409113-24) Soil Sampled: 09/08/04 10:10 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.90**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-20-90804-2-4 (0409113-25) Soil Sampled: 09/08/04 10:20 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.50**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-20-90804-3-7 (0409113-26) Soil Sampled: 09/08/04 10:30 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.60**	0.100	pH Units	1	"	"	"	EPA 9045C	
QCFB-090804 (0409113-27) Liquid Sampled: 09/08/04 16:45 Received: 09/09/04 08:02									
Cyanide (total)	ND	0.0200	mg/L	1	B4I0927	09/09/04	09/13/04	EPA 335.2	
QCEB-090804 (0409113-28) Liquid Sampled: 09/08/04 16:40 Received: 09/09/04 08:02									
Cyanide (total)	ND	0.0200	mg/L	1	B4I0927	09/09/04	09/13/04	EPA 335.2	

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3-90804-2-4 (0409113-29) Soil Sampled: 09/08/04 11:50 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
B-3-90804-3-7 (0409113-30) Soil Sampled: 09/08/04 12:00 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
B-10-90804-1-1 (0409113-31) Soil Sampled: 09/08/04 10:40 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
B-10-90804-2-4 (0409113-32) Soil Sampled: 09/08/04 10:50 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
B-10-90804-3-7 (0409113-33) Soil Sampled: 09/08/04 11:00 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
B-22-90804-1-1 (0409113-34) Soil Sampled: 09/08/04 11:10 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.40**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-22-90804-2-4 (0409113-35) Soil Sampled: 09/08/04 11:20 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**7.30**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-22-90804-3-7 (0409113-36) Soil Sampled: 09/08/04 11:30 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B4I0926	09/09/04	09/13/04	EPA 335.2	
pH	**9.20**	0.100	pH Units	1	"	"	"	EPA 9045C	

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-27-90804-1-1 (0409113-37) Soil Sampled: 09/08/04 15:30 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B410926	09/09/04	09/13/04	EPA 335.2	
pH	**7.50**	0.100	pH Units	1	"	"	"	EPA 9045C	
B-27-90804-2-4 (0409113-38) Soil Sampled: 09/08/04 15:40 Received: 09/09/04 08:02									
Cyanide (total)	ND	2.50	mg/kg	50	B410926	09/09/04	09/13/04	EPA 335.2	
pH	**7.20**	0.100	pH Units	1	"	"	"	EPA 9045C	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-5-90804-1-1 (0409113-01) Soil Sampled: 09/08/04 08:40 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**6.0**	1.0	"	"	"	"	"	"	
Barium	**100**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**32**	1.0	"	"	"	"	"	"	
Chromium	**17**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**25**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**21**	1.0	"	"	"	"	"	"	
Lead	**11**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**37**	1.0	"	"	"	"	10/14/04	"	
Zinc	**46**	5.0	"	"	"	"	09/16/04	"	
B-5-90804-2-4 (0409113-02) Soil Sampled: 09/08/04 08:50 Received: 09/09/04 08:02									
Silver	ND	0.90	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**6.8**	0.90	"	"	"	"	"	"	
Barium	**160**	0.90	"	"	"	"	"	"	
Beryllium	ND	0.90	"	"	"	"	"	"	
Cadmium	ND	0.90	"	"	"	"	"	"	
Cobalt	**12**	0.90	"	"	"	"	"	"	
Chromium	**29**	2.3	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**28**	2.3	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.4	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**22**	0.90	"	"	"	"	"	"	
Lead	**9.8**	0.90	"	"	"	"	"	"	
Antimony	ND	0.90	"	"	"	"	"	"	
Selenium	ND	1.4	"	"	"	"	"	"	
Thallium	ND	0.90	"	"	"	"	"	"	
Vanadium	**58**	0.90	"	"	"	"	10/14/04	"	
Zinc	**65**	4.5	"	"	"	"	09/16/04	"	

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26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-5-90804-3-7 (0409113-03) Soil Sampled: 09/08/04 09:05 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**27**	1.0	"	"	"	"	"	"	
Barium	**180**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**12**	1.0	"	"	"	"	"	"	
Chromium	**31**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**33**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.16	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**27**	1.0	"	"	"	"	"	"	
Lead	**7.7**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**58**	1.0	"	"	"	"	10/14/04	"	
Zinc	**63**	5.0	"	"	"	"	09/16/04	"	
B-6-90804-1-1 (0409113-04) Soil Sampled: 09/08/04 09:15 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**8.6**	1.0	"	"	"	"	"	"	
Barium	**190**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**13**	1.0	"	"	"	"	"	"	
Chromium	**34**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**30**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**26**	1.0	"	"	"	"	"	"	
Lead	**9.9**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**64**	1.0	"	"	"	"	10/14/04	"	
Zinc	**68**	5.0	"	"	"	"	09/16/04	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-6-90804-2-4 (0409113-05) Soil Sampled: 09/08/04 09:20 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**9.1**	1.0	"	"	"	"	"	"	
Barium	**170**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**13**	1.0	"	"	"	"	"	"	
Chromium	**31**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**30**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**24**	1.0	"	"	"	"	"	"	
Lead	**7.4**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**58**	1.0	"	"	"	"	10/14/04	"	
Zinc	**64**	5.0	"	"	"	"	09/16/04	"	
B-6-90804-3-7 (0409113-06) Soil Sampled: 09/08/04 09:30 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**11**	1.0	"	"	"	"	"	"	
Barium	**170**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**13**	1.0	"	"	"	"	"	"	
Chromium	**31**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**28**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.16	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**24**	1.0	"	"	"	"	"	"	
Lead	**6.7**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**58**	1.0	"	"	"	"	10/14/04	"	
Zinc	**61**	5.0	"	"	"	"	09/16/04	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2-90804-1-1 (0409113-07) Soil Sampled: 09/08/04 09:40 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**4.6**	1.0	"	"	"	"	"	"	
Barium	**44**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**6.3**	1.0	"	"	"	"	"	"	
Chromium	**14**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**260**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**460**	1.0	"	"	"	"	"	"	
Lead	**3.9**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**32**	1.0	"	"	"	"	10/14/04	"	
Zinc	**36**	5.0	"	"	"	"	09/16/04	"	
B-2-90804-2-4 (0409113-08) Soil Sampled: 09/08/04 09:50 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**6.8**	1.0	"	"	"	"	"	"	
Barium	**170**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**15**	1.0	"	"	"	"	"	"	
Chromium	**35**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**30**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**170**	1.0	"	"	"	"	"	"	
Lead	**7.6**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**64**	1.0	"	"	"	"	10/14/04	"	
Zinc	**74**	5.0	"	"	"	"	09/16/04	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2-90804-3-7 (0409113-09) Soil Sampled: 09/08/04 10:00 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**11**	1.0	"	"	"	"	"	"	
Barium	**160**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**13**	1.0	"	"	"	"	"	"	
Chromium	**32**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**31**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.15	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**26**	1.0	"	"	"	"	"	"	
Lead	**7.8**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**60**	1.0	"	"	"	"	10/14/04	"	
Zinc	**72**	5.0	"	"	"	"	09/16/04	"	
B-3-90804-1-1 (0409113-10) Soil Sampled: 09/08/04 11:40 Received: 09/09/04 08:02									
Silver	ND	0.90	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**5.2**	0.90	"	"	"	"	"	"	
Barium	**110**	0.90	"	"	"	"	"	"	
Beryllium	ND	0.90	"	"	"	"	"	"	
Cadmium	**4.4**	0.90	"	"	"	"	"	"	
Cobalt	**5.7**	0.90	"	"	"	"	"	"	
Chromium	**33**	2.3	"	"	"	"	"	"	
Hexavalent Chromium	**9.5**	5.0	"	10	B4I1003	09/10/04	09/13/04	EPA 7199A	
Copper	**69**	2.3	"	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.4	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**26**	0.90	"	"	"	"	"	"	
Lead	**5.5**	0.90	"	"	"	"	"	"	
Antimony	ND	0.90	"	"	"	"	"	"	
Selenium	ND	1.4	"	"	"	"	"	"	
Thallium	ND	0.90	"	"	"	"	"	"	
Vanadium	**42**	0.90	"	"	"	"	10/14/04	"	
Zinc	**38**	4.5	"	"	"	"	09/16/04	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-27-90804-3-7 (0409113-11) Soil Sampled: 09/08/04 15:50 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**6.8**	1.0	"	"	"	"	"	"	
Barium	**130**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**11**	1.0	"	"	"	"	"	"	
Chromium	**26**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**23**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.16	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**19**	1.0	"	"	"	"	"	"	
Lead	**5.8**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**53**	1.0	"	"	"	"	10/14/04	"	
Zinc	**48**	5.0	"	"	"	"	09/16/04	"	
B-26-90804-1-1 (0409113-12) Soil Sampled: 09/08/04 15:00 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**8.4**	1.0	"	"	"	"	"	"	
Barium	**180**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**13**	1.0	"	"	"	"	"	"	
Chromium	**32**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**30**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**25**	1.0	"	"	"	"	"	"	
Lead	**15**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**61**	1.0	"	"	"	"	10/14/04	"	
Zinc	**89**	5.0	"	"	"	"	09/16/04	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-26-90804-2-4 (0409113-13) Soil Sampled: 09/08/04 15:10 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**6.8**	1.0	"	"	"	"	"	"	
Barium	**160**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**12**	1.0	"	"	"	"	"	"	
Chromium	**31**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**28**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.15	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**22**	1.0	"	"	"	"	"	"	
Lead	**6.5**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**56**	1.0	"	"	"	"	10/14/04	"	
Zinc	**60**	5.0	"	"	"	"	09/16/04	"	
B-26-90804-3-7 (0409113-14) Soil Sampled: 09/08/04 15:20 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**9.8**	1.0	"	"	"	"	"	"	
Barium	**150**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**11**	1.0	"	"	"	"	"	"	
Chromium	**28**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**24**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**21**	1.0	"	"	"	"	"	"	
Lead	**5.9**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**51**	1.0	"	"	"	"	10/14/04	"	
Zinc	**58**	5.0	"	"	"	"	09/16/04	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-25-90804-1-1 (0409113-15) Soil Sampled: 09/08/04 14:30 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**7.0**	1.0	"	"	"	"	"	"	
Barium	**180**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**13**	1.0	"	"	"	"	"	"	
Chromium	**32**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**30**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.15	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**26**	1.0	"	"	"	"	"	"	
Lead	**6.9**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**57**	1.0	"	"	"	"	10/14/04	"	
Zinc	**64**	5.0	"	"	"	"	09/16/04	"	
B-25-90804-2-4 (0409113-16) Soil Sampled: 09/08/04 14:40 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1326	09/13/04	09/16/04	EPA 6020	
Arsenic	**8.2**	1.0	"	"	"	"	"	"	
Barium	**180**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**15**	1.0	"	"	"	"	"	"	
Chromium	**36**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1003	09/10/04	09/10/04	EPA 7199A	
Copper	**30**	2.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Mercury	ND	0.16	"	"	B4I1328	09/13/04	09/24/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1326	09/13/04	09/16/04	EPA 6020	
Nickel	**26**	1.0	"	"	"	"	"	"	
Lead	**7.5**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**67**	1.0	"	"	"	"	10/14/04	"	
Zinc	**69**	5.0	"	"	"	"	09/16/04	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-25-90804-3-7 (0409113-17) Soil Sampled: 09/08/04 14:50 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/20/04	EPA 6020	
Arsenic	**8.3**	1.0	"	"	"	"	"	"	
Barium	**180**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**12**	1.0	"	"	"	"	"	"	
Chromium	**32**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**30**	2.5	"	"	B4I1327	09/13/04	09/20/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/20/04	EPA 6020	
Nickel	**24**	1.0	"	"	"	"	"	"	
Lead	**7.5**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**46**	1.0	"	"	"	"	"	"	
Zinc	**64**	5.0	"	"	"	"	"	"	
B-24-90804-1-1 (0409113-18) Soil Sampled: 09/08/04 14:00 Received: 09/09/04 08:02									
Silver	ND	0.90	mg/kg	1	B4I1327	09/13/04	09/20/04	EPA 6020	
Arsenic	**12**	0.90	"	"	"	"	"	"	
Barium	**150**	0.90	"	"	"	"	"	"	
Beryllium	ND	0.90	"	"	"	"	"	"	
Cadmium	ND	0.90	"	"	"	"	"	"	
Cobalt	**12**	0.90	"	"	"	"	"	"	
Chromium	**32**	2.2	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**45**	2.2	"	"	B4I1327	09/13/04	09/20/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.3	"	"	B4I1327	09/13/04	09/20/04	EPA 6020	
Nickel	**29**	0.90	"	"	"	"	"	"	
Lead	**14**	0.90	"	"	"	"	"	"	
Antimony	ND	0.90	"	"	"	"	"	"	
Selenium	ND	1.4	"	"	"	"	"	"	
Thallium	ND	0.90	"	"	"	"	"	"	
Vanadium	**45**	0.90	"	"	"	"	"	"	
Zinc	**84**	4.5	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-24-90804-2-4 (0409113-19) Soil Sampled: 09/08/04 14:10 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/20/04	EPA 6020	
Arsenic	**11**	1.0	"	"	"	"	"	"	
Barium	**210**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**12**	1.0	"	"	"	"	"	"	
Chromium	**31**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**27**	2.5	"	"	B4I1327	09/13/04	09/20/04	EPA 6020	
Mercury	ND	0.15	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/20/04	EPA 6020	
Nickel	**24**	1.0	"	"	"	"	"	"	
Lead	**7.6**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**44**	1.0	"	"	"	"	"	"	
Zinc	**64**	5.0	"	"	"	"	"	"	
B-24-90804-3-7 (0409113-20) Soil Sampled: 09/08/04 14:20 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/17/04	EPA 6020	
Arsenic	**7.9**	1.0	"	"	"	"	"	"	
Barium	**140**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**11**	1.0	"	"	"	"	"	"	
Chromium	**29**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**26**	2.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Nickel	**21**	1.0	"	"	"	"	"	"	
Lead	**7.0**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**45**	1.0	"	"	"	"	"	"	
Zinc	**70**	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-23-90804-1-1 (0409113-21) Soil Sampled: 09/08/04 13:30 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/17/04	EPA 6020	
Arsenic	**9.4**	1.0	"	"	"	"	"	"	
Barium	**180**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**13**	1.0	"	"	"	"	"	"	
Chromium	**36**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**31**	2.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Mercury	ND	0.16	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Nickel	**26**	1.0	"	"	"	"	"	"	
Lead	**16**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**51**	1.0	"	"	"	"	"	"	
Zinc	**70**	5.0	"	"	"	"	"	"	
B-23-90804-2-4 (0409113-22) Soil Sampled: 09/08/04 13:40 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/17/04	EPA 6020	
Arsenic	**8.1**	1.0	"	"	"	"	"	"	
Barium	**190**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**14**	1.0	"	"	"	"	"	"	
Chromium	**36**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**29**	2.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Mercury	ND	0.16	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Nickel	**26**	1.0	"	"	"	"	"	"	
Lead	**7.5**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**54**	1.0	"	"	"	"	"	"	
Zinc	**66**	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-23-90804-3-7 (0409113-23) Soil Sampled: 09/08/04 13:50 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/17/04	EPA 6020	
Arsenic	**5.9**	1.0	"	"	"	"	"	"	
Barium	**140**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**10**	1.0	"	"	"	"	"	"	
Chromium	**28**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**24**	2.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Mercury	ND	0.16	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Nickel	**20**	1.0	"	"	"	"	"	"	
Lead	**5.5**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**41**	1.0	"	"	"	"	"	"	
Zinc	**52**	5.0	"	"	"	"	"	"	
B-20-90804-1-1 (0409113-24) Soil Sampled: 09/08/04 10:10 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/17/04	EPA 6020	
Arsenic	**7.2**	1.0	"	"	"	"	"	"	
Barium	**220**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**13**	1.0	"	"	"	"	"	"	
Chromium	**36**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**31**	2.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Nickel	**26**	1.0	"	"	"	"	"	"	
Lead	**11**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**51**	1.0	"	"	"	"	"	"	
Zinc	**69**	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-20-90804-2-4 (0409113-25) Soil Sampled: 09/08/04 10:20 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/17/04	EPA 6020	
Arsenic	**6.7**	1.0	"	"	"	"	"	"	
Barium	**150**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**13**	1.0	"	"	"	"	"	"	
Chromium	**33**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**28**	2.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Mercury	ND	0.16	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Nickel	**23**	1.0	"	"	"	"	"	"	
Lead	**6.8**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**47**	1.0	"	"	"	"	"	"	
Zinc	**56**	5.0	"	"	"	"	"	"	
B-20-90804-3-7 (0409113-26) Soil Sampled: 09/08/04 10:30 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/17/04	EPA 6020	
Arsenic	**13**	1.0	"	"	"	"	"	"	
Barium	**180**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**13**	1.0	"	"	"	"	"	"	
Chromium	**34**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**28**	2.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Nickel	**25**	1.0	"	"	"	"	"	"	
Lead	**7.4**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**65**	1.7	"	5	B4J1217	"	10/12/04	EPA 6010B	
Vanadium	**51**	1.0	"	1	B4I1327	"	09/17/04	EPA 6020	
Zinc	**65**	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QCFB-090804 (0409113-27) Liquid Sampled: 09/08/04 16:45 Received: 09/09/04 08:02									
Silver	ND	2.0	µg/L	1	B4I1520	09/15/04	09/17/04	EPA 6020	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	ND	1.0	"	"	"	"	"	"	
Beryllium	ND	0.040	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Cobalt	ND	2.0	"	"	"	"	"	"	
Chromium	ND	5.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B4I0923	09/09/04	09/09/04	EPA 7199	
Copper	ND	5.0	µg/L	"	B4I1520	09/15/04	09/17/04	EPA 6020	
Mercury	ND	0.0007	mg/L	"	B4I1435	09/14/04	09/24/04	EPA 7470A	
Molybdenum	ND	2.0	µg/L	"	B4I1520	09/15/04	09/17/04	EPA 6020	
Nickel	ND	1.0	"	"	"	"	"	"	
Lead	ND	2.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	ND	2.0	"	"	"	"	"	"	
Zinc	ND	10	"	"	"	"	"	"	
QCEB-090804 (0409113-28) Liquid Sampled: 09/08/04 16:40 Received: 09/09/04 08:02									
Silver	ND	2.0	µg/L	1	B4I1520	09/15/04	09/17/04	EPA 6020	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	ND	1.0	"	"	"	"	"	"	
Beryllium	ND	0.040	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Cobalt	ND	2.0	"	"	"	"	"	"	
Chromium	ND	5.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B4I0923	09/09/04	09/09/04	EPA 7199	
Copper	ND	5.0	µg/L	"	B4I1520	09/15/04	09/17/04	EPA 6020	
Mercury	ND	0.0007	mg/L	"	B4I1435	09/14/04	09/24/04	EPA 7470A	
Molybdenum	ND	2.0	µg/L	"	B4I1520	09/15/04	09/17/04	EPA 6020	
Nickel	**1.6**	1.0	"	"	"	"	"	"	
Lead	ND	2.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	ND	2.0	"	"	"	"	"	"	
Zinc	ND	10	"	"	"	"	"	"	

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26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3-90804-2-4 (0409113-29) Soil Sampled: 09/08/04 11:50 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/20/04	EPA 6020	
Arsenic	**7.7**	1.0	"	"	"	"	"	"	
Barium	**200**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**13**	1.0	"	"	"	"	"	"	
Chromium	**32**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**28**	2.5	"	"	B4I1327	09/13/04	09/20/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/20/04	EPA 6020	
Nickel	**24**	1.0	"	"	"	"	"	"	
Lead	**8.1**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**44**	1.0	"	"	"	"	"	"	
Zinc	**64**	5.0	"	"	"	"	"	"	
B-3-90804-3-7 (0409113-30) Soil Sampled: 09/08/04 12:00 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/17/04	EPA 6020	
Arsenic	**19**	1.0	"	"	"	"	"	"	
Barium	**160**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**12**	1.0	"	"	"	"	"	"	
Chromium	**32**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**29**	2.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Nickel	**23**	1.0	"	"	"	"	"	"	
Lead	**9.7**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**50**	1.0	"	"	"	"	"	"	
Zinc	**99**	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-10-90804-1-1 (0409113-31) Soil Sampled: 09/08/04 10:40 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/17/04	EPA 6020	
Arsenic	**11**	1.0	"	"	"	"	"	"	
Barium	**93**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**5.3**	1.0	"	"	"	"	"	"	
Chromium	**20**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**38**	2.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Nickel	**30**	1.0	"	"	"	"	"	"	
Lead	**5.9**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**36**	1.0	"	"	"	"	"	"	
Zinc	**41**	5.0	"	"	"	"	"	"	
B-10-90804-2-4 (0409113-32) Soil Sampled: 09/08/04 10:50 Received: 09/09/04 08:02									
Silver	ND	0.91	mg/kg	1	B4I1327	09/13/04	09/17/04	EPA 6020	
Arsenic	**13**	0.91	"	"	"	"	"	"	
Barium	**180**	0.91	"	"	"	"	"	"	
Beryllium	ND	0.91	"	"	"	"	"	"	
Cadmium	ND	0.91	"	"	"	"	"	"	
Cobalt	**14**	0.91	"	"	"	"	"	"	
Chromium	**35**	2.3	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**31**	2.3	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.4	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Nickel	**27**	0.91	"	"	"	"	"	"	
Lead	**7.3**	0.91	"	"	"	"	"	"	
Antimony	ND	0.91	"	"	"	"	"	"	
Selenium	ND	1.4	"	"	"	"	"	"	
Thallium	ND	0.91	"	"	"	"	"	"	
Vanadium	**51**	0.91	"	"	"	"	"	"	
Zinc	**65**	4.5	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-10-90804-3-7 (0409113-33) Soil Sampled: 09/08/04 11:00 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/17/04	EPA 6020	
Arsenic	**10**	1.0	"	"	"	"	"	"	
Barium	**150**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**11**	1.0	"	"	"	"	"	"	
Chromium	**28**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**22**	2.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Mercury	ND	0.15	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Nickel	**21**	1.0	"	"	"	"	"	"	
Lead	**6.1**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**45**	1.0	"	"	"	"	"	"	
Zinc	**64**	5.0	"	"	"	"	"	"	
B-22-90804-1-1 (0409113-34) Soil Sampled: 09/08/04 11:10 Received: 09/09/04 08:02									
Silver	ND	0.90	mg/kg	1	B4I1327	09/13/04	09/17/04	EPA 6020	
Arsenic	**8.8**	0.90	"	"	"	"	"	"	
Barium	**170**	0.90	"	"	"	"	"	"	
Beryllium	ND	0.90	"	"	"	"	"	"	
Cadmium	ND	0.90	"	"	"	"	"	"	
Cobalt	**11**	0.90	"	"	"	"	"	"	
Chromium	**32**	2.2	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**34**	2.2	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Mercury	ND	0.16	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.3	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Nickel	**26**	0.90	"	"	"	"	"	"	
Lead	**12**	0.90	"	"	"	"	"	"	
Antimony	**0.96**	0.90	"	"	"	"	"	"	
Selenium	ND	1.4	"	"	"	"	"	"	
Thallium	ND	0.90	"	"	"	"	"	"	
Vanadium	**48**	0.90	"	"	"	"	"	"	
Zinc	**62**	4.5	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-22-90804-2-4 (0409113-35) Soil Sampled: 09/08/04 11:20 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/17/04	EPA 6020	
Arsenic	**5.7**	1.0	"	"	"	"	"	"	
Barium	**170**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**12**	1.0	"	"	"	"	"	"	
Chromium	**30**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**28**	2.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Mercury	ND	0.15	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Nickel	**24**	1.0	"	"	"	"	"	"	
Lead	**6.5**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**44**	1.0	"	"	"	"	"	"	
Zinc	**57**	5.0	"	"	"	"	"	"	
B-22-90804-3-7 (0409113-36) Soil Sampled: 09/08/04 11:30 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/17/04	EPA 6020	
Arsenic	**6.9**	1.0	"	"	"	"	"	"	
Barium	**140**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**11**	1.0	"	"	"	"	"	"	
Chromium	**27**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**24**	2.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Mercury	ND	0.14	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Nickel	**20**	1.0	"	"	"	"	"	"	
Lead	**5.7**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**41**	1.0	"	"	"	"	"	"	
Zinc	**53**	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-27-90804-1-1 (0409113-37) Soil Sampled: 09/08/04 15:30 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/20/04	EPA 6020	
Arsenic	**7.0**	1.0	"	"	"	"	"	"	
Barium	**230**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**14**	1.0	"	"	"	"	"	"	
Chromium	**36**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**37**	2.5	"	"	B4I1327	09/13/04	09/20/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/20/04	EPA 6020	
Nickel	**29**	1.0	"	"	"	"	"	"	
Lead	**8.0**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**46**	1.0	"	"	"	"	"	"	
Zinc	**72**	5.0	"	"	"	"	"	"	
B-27-90804-2-4 (0409113-38) Soil Sampled: 09/08/04 15:40 Received: 09/09/04 08:02									
Silver	ND	1.0	mg/kg	1	B4I1327	09/13/04	09/17/04	EPA 6020	
Arsenic	**6.6**	1.0	"	"	"	"	"	"	
Barium	**130**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**10**	1.0	"	"	"	"	"	"	
Chromium	**27**	2.5	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.50	"	"	B4I1413	09/14/04	09/16/04	EPA 7199A	
Copper	**24**	2.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Mercury	ND	0.18	"	"	B4I1330	09/13/04	09/23/04	EPA 7471A	
Molybdenum	ND	1.5	"	"	B4I1327	09/13/04	09/17/04	EPA 6020	
Nickel	**18**	1.0	"	"	"	"	"	"	
Lead	**6.3**	1.0	"	"	"	"	"	"	
Antimony	ND	1.0	"	"	"	"	"	"	
Selenium	ND	1.5	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	**44**	1.0	"	"	"	"	"	"	
Zinc	**48**	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

STLC Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2-90804-1-1 (0409113-07) Soil Sampled: 09/08/04 09:40 Received: 09/09/04 08:02									
Copper	**34.8**	0.42	mg/L	2	B4J2608	10/26/04	10/26/04	EPA 6010B	
Nickel	**41.3**	0.21	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-27-90804-3-7 (0409113-11) Soil Sampled: 09/08/04 15:50 Received: 09/09/04 08:02									
HC < C8	ND	1.0	mg/kg	1	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	**1.4**	1.0	"	"	"	"	"	"	
C9 <= HC < C10	**4.4**	1.0	"	"	"	"	"	"	
C10 <= HC < C11	**7.3**	1.0	"	"	"	"	"	"	
C11 <= HC < C12	**7.1**	1.0	"	"	"	"	"	"	
C12 <= HC < C14	**28**	1.0	"	"	"	"	"	"	
C14 <= HC < C16	**30**	1.0	"	"	"	"	"	"	
C16 <= HC < C18	**23**	1.0	"	"	"	"	"	"	
C18 <= HC < C20	**14**	1.0	"	"	"	"	"	"	
C20 <= HC < C24	**42**	1.0	"	"	"	"	"	"	
C24 <= HC < C28	**36**	1.0	"	"	"	"	"	"	
C28 <= HC < C32	**23**	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**220**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*100 %*	*50-150*		"	"	"	"	
B-26-90804-1-1 (0409113-12) Soil Sampled: 09/08/04 15:00 Received: 09/09/04 08:02									
HC < C8	ND	5.0	mg/kg	5	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	5.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	5.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	5.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	5.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	5.0	"	"	"	"	"	"	
C14 <= HC < C16	**8.0**	5.0	"	"	"	"	"	"	
C16 <= HC < C18	**35**	5.0	"	"	"	"	"	"	
C18 <= HC < C20	**32**	5.0	"	"	"	"	"	"	
C20 <= HC < C24	**150**	5.0	"	"	"	"	"	"	
C24 <= HC < C28	**200**	5.0	"	"	"	"	"	"	
C28 <= HC < C32	**140**	5.0	"	"	"	"	"	"	
HC >= C32	ND	5.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**560**	25	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*380 %*	*50-150*		"	"	"	"	*S-03*

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26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-26-90804-2-4 (0409113-13) Soil Sampled: 09/08/04 15:10 Received: 09/09/04 08:02									
HC < C8	ND	10	mg/kg	10	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	**18**	10	"	"	"	"	"	"	
C9 <= HC < C10	**28**	10	"	"	"	"	"	"	
C10 <= HC < C11	**43**	10	"	"	"	"	"	"	
C11 <= HC < C12	**37**	10	"	"	"	"	"	"	
C12 <= HC < C14	**160**	10	"	"	"	"	"	"	
C14 <= HC < C16	**150**	10	"	"	"	"	"	"	
C16 <= HC < C18	**110**	10	"	"	"	"	"	"	
C18 <= HC < C20	**69**	10	"	"	"	"	"	"	
C20 <= HC < C24	**230**	10	"	"	"	"	"	"	
C24 <= HC < C28	**190**	10	"	"	"	"	"	"	
C28 <= HC < C32	**58**	10	"	"	"	"	"	"	
HC >= C32	ND	10	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**1100**	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*50-150*		"	"	"	"	*S-03*
B-26-90804-3-7 (0409113-14) Soil Sampled: 09/08/04 15:20 Received: 09/09/04 08:02									
HC < C8	ND	5.0	mg/kg	5	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	**30**	5.0	"	"	"	"	"	"	
C9 <= HC < C10	**58**	5.0	"	"	"	"	"	"	
C10 <= HC < C11	**73**	5.0	"	"	"	"	"	"	
C11 <= HC < C12	**87**	5.0	"	"	"	"	"	"	
C12 <= HC < C14	**290**	5.0	"	"	"	"	"	"	
C14 <= HC < C16	**250**	5.0	"	"	"	"	"	"	
C16 <= HC < C18	**250**	5.0	"	"	"	"	"	"	
C18 <= HC < C20	**240**	5.0	"	"	"	"	"	"	
C20 <= HC < C24	**450**	5.0	"	"	"	"	"	"	
C24 <= HC < C28	**370**	5.0	"	"	"	"	"	"	
C28 <= HC < C32	**290**	5.0	"	"	"	"	"	"	
HC >= C32	**9.0**	5.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**2400**	25	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*50-150*		"	"	"	"	*S-03*

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-25-90804-1-1 (0409113-15) Soil Sampled: 09/08/04 14:30 Received: 09/09/04 08:02									
HC < C8	**23**	10	mg/kg	10	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	**71**	10	"	"	"	"	"	"	
C9 <= HC < C10	**120**	10	"	"	"	"	"	"	
C10 <= HC < C11	**190**	10	"	"	"	"	"	"	
C11 <= HC < C12	**140**	10	"	"	"	"	"	"	
C12 <= HC < C14	**570**	10	"	"	"	"	"	"	
C14 <= HC < C16	**490**	10	"	"	"	"	"	"	
C16 <= HC < C18	**490**	10	"	"	"	"	"	"	
C18 <= HC < C20	**300**	10	"	"	"	"	"	"	
C20 <= HC < C24	**660**	10	"	"	"	"	"	"	
C24 <= HC < C28	**470**	10	"	"	"	"	"	"	
C28 <= HC < C32	**340**	10	"	"	"	"	"	"	
HC >= C32	**23**	10	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**3900**	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*50-150*		"	"	"	"	*S-03*
B-25-90804-2-4 (0409113-16) Soil Sampled: 09/08/04 14:40 Received: 09/09/04 08:02									
HC < C8	ND	1.0	mg/kg	1	B4I2028	09/16/04	09/21/04	EPA 8015B	
C8 <= HC < C9	**1.2**	1.0	"	"	"	"	"	"	
C9 <= HC < C10	**1.8**	1.0	"	"	"	"	"	"	
C10 <= HC < C11	**2.0**	1.0	"	"	"	"	"	"	
C11 <= HC < C12	**2.5**	1.0	"	"	"	"	"	"	
C12 <= HC < C14	**9.6**	1.0	"	"	"	"	"	"	
C14 <= HC < C16	**5.4**	1.0	"	"	"	"	"	"	
C16 <= HC < C18	**5.3**	1.0	"	"	"	"	"	"	
C18 <= HC < C20	**2.5**	1.0	"	"	"	"	"	"	
C20 <= HC < C24	**9.6**	1.0	"	"	"	"	"	"	
C24 <= HC < C28	**9.2**	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*64.0 %*	*50-150*		"	"	"	"	

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-25-90804-3-7 (0409113-17) Soil Sampled: 09/08/04 14:50 Received: 09/09/04 08:02									
HC < C8	**8.0**	5.0	mg/kg	5	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	**34**	5.0	"	"	"	"	"	"	
C9 <= HC < C10	**64**	5.0	"	"	"	"	"	"	
C10 <= HC < C11	**82**	5.0	"	"	"	"	"	"	
C11 <= HC < C12	**75**	5.0	"	"	"	"	"	"	
C12 <= HC < C14	**300**	5.0	"	"	"	"	"	"	
C14 <= HC < C16	**310**	5.0	"	"	"	"	"	"	
C16 <= HC < C18	**230**	5.0	"	"	"	"	"	"	
C18 <= HC < C20	**270**	5.0	"	"	"	"	"	"	
C20 <= HC < C24	**520**	5.0	"	"	"	"	"	"	
C24 <= HC < C28	**460**	5.0	"	"	"	"	"	"	
C28 <= HC < C32	**340**	5.0	"	"	"	"	"	"	
HC >= C32	ND	5.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**2700**	25	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*50-150*		"	"	"	"	*S-03*
B-24-90804-1-1 (0409113-18) Soil Sampled: 09/08/04 14:00 Received: 09/09/04 08:02									
HC < C8	**11**	5.0	mg/kg	5	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	5.0	"	"	"	"	"	"	
C9 <= HC < C10	**40**	5.0	"	"	"	"	"	"	
C10 <= HC < C11	**140**	5.0	"	"	"	"	"	"	
C11 <= HC < C12	**120**	5.0	"	"	"	"	"	"	
C12 <= HC < C14	**140**	5.0	"	"	"	"	"	"	
C14 <= HC < C16	**40**	5.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	5.0	"	"	"	"	"	"	
C18 <= HC < C20	**5.0**	5.0	"	"	"	"	"	"	
C20 <= HC < C24	**140**	5.0	"	"	"	"	"	"	
C24 <= HC < C28	**200**	5.0	"	"	"	"	"	"	
C28 <= HC < C32	**180**	5.0	"	"	"	"	"	"	
HC >= C32	**8.5**	5.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**1000**	25	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*50-150*		"	"	"	"	*S-03*

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:06

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-24-90804-2-4 (0409113-19) Soil Sampled: 09/08/04 14:10 Received: 09/09/04 08:02									
HC < C8	**21**	10	mg/kg	10	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	**81**	10	"	"	"	"	"	"	
C9 <= HC < C10	**130**	10	"	"	"	"	"	"	
C10 <= HC < C11	**170**	10	"	"	"	"	"	"	
C11 <= HC < C12	**150**	10	"	"	"	"	"	"	
C12 <= HC < C14	**680**	10	"	"	"	"	"	"	
C14 <= HC < C16	**720**	10	"	"	"	"	"	"	
C16 <= HC < C18	**660**	10	"	"	"	"	"	"	
C18 <= HC < C20	**460**	10	"	"	"	"	"	"	
C20 <= HC < C24	**1100**	10	"	"	"	"	"	"	
C24 <= HC < C28	**790**	10	"	"	"	"	"	"	
C28 <= HC < C32	**640**	10	"	"	"	"	"	"	
HC >= C32	**37**	10	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**5600**	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*50-150*		"	"	"	"	*S-03*
B-24-90804-3-7 (0409113-20) Soil Sampled: 09/08/04 14:20 Received: 09/09/04 08:02									
HC < C8	ND	1.0	mg/kg	1	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*69.3 %*	*50-150*		"	"	"	"	

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-23-90804-1-1 (0409113-21) Soil Sampled: 09/08/04 13:30 Received: 09/09/04 08:02									
HC < C8	ND	1.0	mg/kg	1	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	**2.7**	1.0	"	"	"	"	"	"	
C24 <= HC < C28	**6.3**	1.0	"	"	"	"	"	"	
C28 <= HC < C32	**2.6**	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**12**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*90.7 %*	*50-150*		"	"	"	"	
B-23-90804-2-4 (0409113-22) Soil Sampled: 09/08/04 13:40 Received: 09/09/04 08:02									
HC < C8	**27**	10	mg/kg	10	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	**120**	10	"	"	"	"	"	"	
C9 <= HC < C10	**210**	10	"	"	"	"	"	"	
C10 <= HC < C11	**270**	10	"	"	"	"	"	"	
C11 <= HC < C12	**260**	10	"	"	"	"	"	"	
C12 <= HC < C14	**910**	10	"	"	"	"	"	"	
C14 <= HC < C16	**840**	10	"	"	"	"	"	"	
C16 <= HC < C18	**750**	10	"	"	"	"	"	"	
C18 <= HC < C20	**490**	10	"	"	"	"	"	"	
C20 <= HC < C24	**1100**	10	"	"	"	"	"	"	
C24 <= HC < C28	**770**	10	"	"	"	"	"	"	
C28 <= HC < C32	**600**	10	"	"	"	"	"	"	
HC >= C32	**38**	10	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**6400**	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*50-150*		"	"	"	"	*S-03*

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-23-90804-3-7 (0409113-23) Soil Sampled: 09/08/04 13:50 Received: 09/09/04 08:02									
HC < C8	ND	1.0	mg/kg	1	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*78.7 %*	*50-150*		"	"	"	"	
B-20-90804-1-1 (0409113-24) Soil Sampled: 09/08/04 10:10 Received: 09/09/04 08:02									
HC < C8	ND	1.0	mg/kg	1	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*76.0 %*	*50-150*		"	"	"	"	

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-20-90804-2-4 (0409113-25) Soil Sampled: 09/08/04 10:20 Received: 09/09/04 08:02									
HC < C8	**14**	5.0	mg/kg	5	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	**61**	5.0	"	"	"	"	"	"	
C9 <= HC < C10	**88**	5.0	"	"	"	"	"	"	
C10 <= HC < C11	**96**	5.0	"	"	"	"	"	"	
C11 <= HC < C12	**94**	5.0	"	"	"	"	"	"	
C12 <= HC < C14	**370**	5.0	"	"	"	"	"	"	
C14 <= HC < C16	**330**	5.0	"	"	"	"	"	"	
C16 <= HC < C18	**280**	5.0	"	"	"	"	"	"	
C18 <= HC < C20	**170**	5.0	"	"	"	"	"	"	
C20 <= HC < C24	**460**	5.0	"	"	"	"	"	"	
C24 <= HC < C28	**360**	5.0	"	"	"	"	"	"	
C28 <= HC < C32	**290**	5.0	"	"	"	"	"	"	
HC >= C32	**18**	5.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**2600**	25	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*50-150*		"	"	"	"	*S-03*
B-20-90804-3-7 (0409113-26) Soil Sampled: 09/08/04 10:30 Received: 09/09/04 08:02									
HC < C8	ND	5.0	mg/kg	5	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	**8.5**	5.0	"	"	"	"	"	"	
C9 <= HC < C10	**15**	5.0	"	"	"	"	"	"	
C10 <= HC < C11	**20**	5.0	"	"	"	"	"	"	
C11 <= HC < C12	**22**	5.0	"	"	"	"	"	"	
C12 <= HC < C14	**84**	5.0	"	"	"	"	"	"	
C14 <= HC < C16	**78**	5.0	"	"	"	"	"	"	
C16 <= HC < C18	**90**	5.0	"	"	"	"	"	"	
C18 <= HC < C20	**96**	5.0	"	"	"	"	"	"	
C20 <= HC < C24	**230**	5.0	"	"	"	"	"	"	
C24 <= HC < C28	**210**	5.0	"	"	"	"	"	"	
C28 <= HC < C32	**150**	5.0	"	"	"	"	"	"	
HC >= C32	**8.0**	5.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**1000**	25	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*50-150*		"	"	"	"	*S-03*

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QCFB-090804 (0409113-27) Liquid Sampled: 09/08/04 16:45 Received: 09/09/04 08:02									
HC < C8	ND	0.010	mg/L	1	B4I1731	09/10/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	0.010	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.010	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.010	"	"	"	"	"	"	
C11 <= HC < C12	ND	0.010	"	"	"	"	"	"	
C12 <= HC < C14	ND	0.010	"	"	"	"	"	"	
C14 <= HC < C16	ND	0.010	"	"	"	"	"	"	
C16 <= HC < C18	ND	0.010	"	"	"	"	"	"	
C18 <= HC < C20	ND	0.010	"	"	"	"	"	"	
C20 <= HC < C24	ND	0.010	"	"	"	"	"	"	
C24 <= HC < C28	ND	0.010	"	"	"	"	"	"	
C28 <= HC < C32	ND	0.010	"	"	"	"	"	"	
HC >= C32	ND	0.010	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*76.0 %*	*50-150*		"	"	"	"	
QCEB-090804 (0409113-28) Liquid Sampled: 09/08/04 16:40 Received: 09/09/04 08:02									
HC < C8	ND	0.010	mg/L	1	B4I1731	09/10/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	0.010	"	"	"	"	"	"	
C9 <= HC < C10	ND	0.010	"	"	"	"	"	"	
C10 <= HC < C11	ND	0.010	"	"	"	"	"	"	
C11 <= HC < C12	ND	0.010	"	"	"	"	"	"	
C12 <= HC < C14	ND	0.010	"	"	"	"	"	"	
C14 <= HC < C16	ND	0.010	"	"	"	"	"	"	
C16 <= HC < C18	ND	0.010	"	"	"	"	"	"	
C18 <= HC < C20	ND	0.010	"	"	"	"	"	"	
C20 <= HC < C24	ND	0.010	"	"	"	"	"	"	
C24 <= HC < C28	ND	0.010	"	"	"	"	"	"	
C28 <= HC < C32	ND	0.010	"	"	"	"	"	"	
HC >= C32	ND	0.010	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*78.7 %*	*50-150*		"	"	"	"	

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-22-90804-1-1 (0409113-34) Soil Sampled: 09/08/04 11:10 Received: 09/09/04 08:02									
HC < C8	ND	1.0	mg/kg	1	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	**3.7**	1.0	"	"	"	"	"	"	
C24 <= HC < C28	**7.2**	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**11**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*90.7 %*	*50-150*		"	"	"	"	
B-22-90804-2-4 (0409113-35) Soil Sampled: 09/08/04 11:20 Received: 09/09/04 08:02									
HC < C8	ND	10	mg/kg	10	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	10	"	"	"	"	"	"	
C9 <= HC < C10	ND	10	"	"	"	"	"	"	
C10 <= HC < C11	ND	10	"	"	"	"	"	"	
C11 <= HC < C12	ND	10	"	"	"	"	"	"	
C12 <= HC < C14	**92**	10	"	"	"	"	"	"	
C14 <= HC < C16	**170**	10	"	"	"	"	"	"	
C16 <= HC < C18	**270**	10	"	"	"	"	"	"	
C18 <= HC < C20	**220**	10	"	"	"	"	"	"	
C20 <= HC < C24	**760**	10	"	"	"	"	"	"	
C24 <= HC < C28	**780**	10	"	"	"	"	"	"	
C28 <= HC < C32	**690**	10	"	"	"	"	"	"	
HC >= C32	**25**	10	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**3000**	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*50-150*		"	"	"	"	*S-03*

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26052 Merit Circle Suite 105, Laguna Hills, California 92653
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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-22-90804-3-7 (0409113-36) Soil Sampled: 09/08/04 11:30 Received: 09/09/04 08:02									
HC < C8	ND	10	mg/kg	10	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	10	"	"	"	"	"	"	
C9 <= HC < C10	**10**	10	"	"	"	"	"	"	
C10 <= HC < C11	**19**	10	"	"	"	"	"	"	
C11 <= HC < C12	**21**	10	"	"	"	"	"	"	
C12 <= HC < C14	**94**	10	"	"	"	"	"	"	
C14 <= HC < C16	**86**	10	"	"	"	"	"	"	
C16 <= HC < C18	**86**	10	"	"	"	"	"	"	
C18 <= HC < C20	**48**	10	"	"	"	"	"	"	
C20 <= HC < C24	**190**	10	"	"	"	"	"	"	
C24 <= HC < C28	**200**	10	"	"	"	"	"	"	
C28 <= HC < C32	**55**	10	"	"	"	"	"	"	
HC >= C32	ND	10	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**800**	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*50-150*		"	"	"	"	*S-03*
B-27-90804-1-1 (0409113-37) Soil Sampled: 09/08/04 15:30 Received: 09/09/04 08:02									
HC < C8	ND	5.0	mg/kg	5	B4I2028	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	ND	5.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	5.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	5.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	5.0	"	"	"	"	"	"	
C12 <= HC < C14	**83**	5.0	"	"	"	"	"	"	
C14 <= HC < C16	**210**	5.0	"	"	"	"	"	"	
C16 <= HC < C18	**240**	5.0	"	"	"	"	"	"	
C18 <= HC < C20	**130**	5.0	"	"	"	"	"	"	
C20 <= HC < C24	**700**	5.0	"	"	"	"	"	"	
C24 <= HC < C28	**600**	5.0	"	"	"	"	"	"	
C28 <= HC < C32	**510**	5.0	"	"	"	"	"	"	
HC >= C32	**34**	5.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**2500**	25	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*50-150*		"	"	"	"	*S-03*

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-27-90804-2-4 (0409113-38) Soil Sampled: 09/08/04 15:40 Received: 09/09/04 08:02									
HC < C8	ND	1.0	mg/kg	1	B4I2107	09/16/04	09/17/04	EPA 8015B	
C8 <= HC < C9	**2.0**	1.0	"	"	"	"	"	"	
C9 <= HC < C10	**2.7**	1.0	"	"	"	"	"	"	
C10 <= HC < C11	**3.3**	1.0	"	"	"	"	"	"	
C11 <= HC < C12	**3.6**	1.0	"	"	"	"	"	"	
C12 <= HC < C14	**13**	1.0	"	"	"	"	"	"	
C14 <= HC < C16	**12**	1.0	"	"	"	"	"	"	
C16 <= HC < C18	**13**	1.0	"	"	"	"	"	"	
C18 <= HC < C20	**7.2**	1.0	"	"	"	"	"	"	
C20 <= HC < C24	**19**	1.0	"	"	"	"	"	"	
C24 <= HC < C28	**14**	1.0	"	"	"	"	"	"	
C28 <= HC < C32	**3.9**	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**94**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*113 %*	*50-150*		"	"	"	"	

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-27-90804-3-7 (0409113-11) Soil Sampled: 09/08/04 15:50 Received: 09/09/04 08:02									
Benzene	ND	4.1	µg/kg	1	B4I1510	09/10/04	09/10/04	EPA 8260B	
Bromobenzene	ND	4.1	"	"	"	"	"	"	
Bromochloromethane	ND	4.1	"	"	"	"	"	"	
Bromodichloromethane	ND	4.1	"	"	"	"	"	"	
Bromoform	ND	4.1	"	"	"	"	"	"	
Bromomethane	ND	4.1	"	"	"	"	"	"	
n-Butylbenzene	ND	4.1	"	"	"	"	"	"	
sec-Butylbenzene	**4.2**	4.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.1	"	"	"	"	"	"	
Chlorobenzene	ND	4.1	"	"	"	"	"	"	
Chloroethane	ND	4.1	"	"	"	"	"	"	
Chloroform	ND	4.1	"	"	"	"	"	"	
Chloromethane	ND	4.1	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.1	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.1	"	"	"	"	"	"	
Dibromochloromethane	ND	4.1	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.1	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.1	"	"	"	"	"	"	
Dibromomethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**11**	4.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.1	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.1	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.1	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.1	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.1	"	"	"	"	"	"	
Di-isopropyl ether	ND	4.1	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	4.1	"	"	"	"	"	"	
Ethylbenzene	ND	4.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.1	"	"	"	"	"	"	
Isopropylbenzene	**11**	4.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.1	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-27-90804-3-7 (0409113-11) Soil Sampled: 09/08/04 15:50 Received: 09/09/04 08:02									
Methylene chloride	ND	4.1	µg/kg	1	B4I1510	09/10/04	09/10/04	EPA 8260B	
Methyl tert-butyl ether	**5.1**	4.1	"	"	"	"	"	"	
Naphthalene	**70**	4.1	"	"	"	"	"	"	
n-Propylbenzene	**14**	4.1	"	"	"	"	"	"	
Styrene	ND	4.1	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	4.1	"	"	"	"	"	"	
Tert-butyl alcohol	ND	21	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.1	"	"	"	"	"	"	
Tetrachloroethene	ND	4.1	"	"	"	"	"	"	
Toluene	ND	4.1	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.1	"	"	"	"	"	"	
Trichloroethene	ND	4.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.1	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.1	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.1	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.1	"	"	"	"	"	"	
Vinyl chloride	ND	4.1	"	"	"	"	"	"	
m,p-Xylene	ND	4.1	"	"	"	"	"	"	
o-Xylene	ND	4.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*95.9 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.8 %*	*74-121*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-26-90804-1-1 (0409113-12) Soil Sampled: 09/08/04 15:00 Received: 09/09/04 08:02									
Benzene	ND	4.0	µg/kg	1	B4I1510	09/10/04	09/10/04	EPA 8260B	
Bromobenzene	ND	4.0	"	"	"	"	"	"	
Bromochloromethane	ND	4.0	"	"	"	"	"	"	
Bromodichloromethane	ND	4.0	"	"	"	"	"	"	
Bromoform	ND	4.0	"	"	"	"	"	"	
Bromomethane	ND	4.0	"	"	"	"	"	"	
n-Butylbenzene	ND	4.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	4.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.0	"	"	"	"	"	"	
Chloroethane	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.0	"	"	"	"	"	"	
Chloromethane	ND	4.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.0	"	"	"	"	"	"	
Dibromochloromethane	ND	4.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.0	"	"	"	"	"	"	
Dibromomethane	ND	4.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	4.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	4.0	"	"	"	"	"	"	
Ethylbenzene	ND	4.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.0	"	"	"	"	"	"	
Isopropylbenzene	ND	4.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-26-90804-1-1 (0409113-12) Soil Sampled: 09/08/04 15:00 Received: 09/09/04 08:02									
Methylene chloride	ND	4.0	µg/kg	1	B4I1510	09/10/04	09/10/04	EPA 8260B	
Methyl tert-butyl ether	ND	4.0	"	"	"	"	"	"	
Naphthalene	ND	4.0	"	"	"	"	"	"	
n-Propylbenzene	ND	4.0	"	"	"	"	"	"	
Styrene	ND	4.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	4.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.0	"	"	"	"	"	"	
Tetrachloroethene	ND	4.0	"	"	"	"	"	"	
Toluene	ND	4.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.0	"	"	"	"	"	"	
Trichloroethene	ND	4.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.0	"	"	"	"	"	"	
Vinyl chloride	ND	4.0	"	"	"	"	"	"	
m,p-Xylene	ND	4.0	"	"	"	"	"	"	
o-Xylene	ND	4.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*96.5 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.8 %*	*74-121*		"	"	"	"	

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-26-90804-2-4 (0409113-13) Soil Sampled: 09/08/04 15:10 Received: 09/09/04 08:02									
Benzene	ND	4.1	µg/kg	1	B4I1510	09/10/04	09/10/04	EPA 8260B	
Bromobenzene	ND	4.1	"	"	"	"	"	"	
Bromochloromethane	ND	4.1	"	"	"	"	"	"	
Bromodichloromethane	ND	4.1	"	"	"	"	"	"	
Bromoform	ND	4.1	"	"	"	"	"	"	
Bromomethane	ND	4.1	"	"	"	"	"	"	
n-Butylbenzene	ND	4.1	"	"	"	"	"	"	
sec-Butylbenzene	ND	4.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.1	"	"	"	"	"	"	
Chlorobenzene	ND	4.1	"	"	"	"	"	"	
Chloroethane	ND	4.1	"	"	"	"	"	"	
Chloroform	ND	4.1	"	"	"	"	"	"	
Chloromethane	ND	4.1	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.1	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.1	"	"	"	"	"	"	
Dibromochloromethane	ND	4.1	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.1	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.1	"	"	"	"	"	"	
Dibromomethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.1	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.1	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.1	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.1	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.1	"	"	"	"	"	"	
Di-isopropyl ether	ND	4.1	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	4.1	"	"	"	"	"	"	
Ethylbenzene	**4.4**	4.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.1	"	"	"	"	"	"	
Isopropylbenzene	**5.7**	4.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.1	"	"	"	"	"	"	

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-26-90804-2-4 (0409113-13) Soil Sampled: 09/08/04 15:10 Received: 09/09/04 08:02									
Methylene chloride	ND	4.1	µg/kg	1	B4I1510	09/10/04	09/10/04	EPA 8260B	
Methyl tert-butyl ether	ND	4.1	"	"	"	"	"	"	
Naphthalene	**26**	4.1	"	"	"	"	"	"	
n-Propylbenzene	**6.4**	4.1	"	"	"	"	"	"	
Styrene	ND	4.1	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	4.1	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.1	"	"	"	"	"	"	
Tetrachloroethene	ND	4.1	"	"	"	"	"	"	
Toluene	ND	4.1	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.1	"	"	"	"	"	"	
Trichloroethene	ND	4.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.1	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.1	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.1	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.1	"	"	"	"	"	"	
Vinyl chloride	ND	4.1	"	"	"	"	"	"	
m,p-Xylene	ND	4.1	"	"	"	"	"	"	
o-Xylene	ND	4.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.5 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*96.6 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.6 %*	*74-121*		"	"	"	"	

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-26-90804-3-7 (0409113-14) Soil Sampled: 09/08/04 15:20 Received: 09/09/04 08:02									
Benzene	ND	4.1	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Bromobenzene	ND	4.1	"	"	"	"	"	"	
Bromochloromethane	ND	4.1	"	"	"	"	"	"	
Bromodichloromethane	ND	4.1	"	"	"	"	"	"	
Bromoform	ND	4.1	"	"	"	"	"	"	
Bromomethane	ND	4.1	"	"	"	"	"	"	
n-Butylbenzene	ND	4.1	"	"	"	"	"	"	
sec-Butylbenzene	**9.0**	4.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.1	"	"	"	"	"	"	
Chlorobenzene	ND	4.1	"	"	"	"	"	"	
Chloroethane	ND	4.1	"	"	"	"	"	"	
Chloroform	ND	4.1	"	"	"	"	"	"	
Chloromethane	ND	4.1	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.1	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.1	"	"	"	"	"	"	
Dibromochloromethane	ND	4.1	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.1	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.1	"	"	"	"	"	"	
Dibromomethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.1	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.1	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.1	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.1	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.1	"	"	"	"	"	"	
Di-isopropyl ether	ND	4.1	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	4.1	"	"	"	"	"	"	
Ethylbenzene	ND	4.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.1	"	"	"	"	"	"	
Isopropylbenzene	**31**	4.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.1	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-26-90804-3-7 (0409113-14) Soil Sampled: 09/08/04 15:20 Received: 09/09/04 08:02									
Methylene chloride	ND	4.1	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Methyl tert-butyl ether	ND	4.1	"	"	"	"	"	"	
Naphthalene	**120**	4.1	"	"	"	"	"	"	
n-Propylbenzene	**35**	4.1	"	"	"	"	"	"	
Styrene	ND	4.1	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	4.1	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.1	"	"	"	"	"	"	
Tetrachloroethene	ND	4.1	"	"	"	"	"	"	
Toluene	ND	4.1	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.1	"	"	"	"	"	"	
Trichloroethene	ND	4.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.1	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.1	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.1	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.1	"	"	"	"	"	"	
Vinyl chloride	ND	4.1	"	"	"	"	"	"	
m,p-Xylene	ND	4.1	"	"	"	"	"	"	
o-Xylene	ND	4.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.1 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*94.1 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.9 %*	*74-121*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-25-90804-1-1 (0409113-15) Soil Sampled: 09/08/04 14:30 Received: 09/09/04 08:02									
Benzene	ND	4.0	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Bromobenzene	ND	4.0	"	"	"	"	"	"	
Bromochloromethane	ND	4.0	"	"	"	"	"	"	
Bromodichloromethane	ND	4.0	"	"	"	"	"	"	
Bromoform	ND	4.0	"	"	"	"	"	"	
Bromomethane	ND	4.0	"	"	"	"	"	"	
n-Butylbenzene	ND	4.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	4.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.0	"	"	"	"	"	"	
Chloroethane	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.0	"	"	"	"	"	"	
Chloromethane	ND	4.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.0	"	"	"	"	"	"	
Dibromochloromethane	ND	4.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.0	"	"	"	"	"	"	
Dibromomethane	ND	4.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	4.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	4.0	"	"	"	"	"	"	
Ethylbenzene	ND	4.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.0	"	"	"	"	"	"	
Isopropylbenzene	ND	4.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-25-90804-1-1 (0409113-15) Soil Sampled: 09/08/04 14:30 Received: 09/09/04 08:02									
Methylene chloride	ND	4.0	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Methyl tert-butyl ether	ND	4.0	"	"	"	"	"	"	
Naphthalene	ND	4.0	"	"	"	"	"	"	
n-Propylbenzene	ND	4.0	"	"	"	"	"	"	
Styrene	ND	4.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	4.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.0	"	"	"	"	"	"	
Tetrachloroethene	ND	4.0	"	"	"	"	"	"	
Toluene	ND	4.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.0	"	"	"	"	"	"	
Trichloroethene	ND	4.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.0	"	"	"	"	"	"	
Vinyl chloride	ND	4.0	"	"	"	"	"	"	
m,p-Xylene	ND	4.0	"	"	"	"	"	"	
o-Xylene	ND	4.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.0 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*94.8 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.5 %*	*74-121*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-25-90804-2-4 (0409113-16) Soil Sampled: 09/08/04 14:40 Received: 09/09/04 08:02									
Benzene	ND	5.0	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	**14**	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	**36**	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-25-90804-2-4 (0409113-16) Soil Sampled: 09/08/04 14:40 Received: 09/09/04 08:02									
Methylene chloride	ND	5.0	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	**180**	5.0	"	"	"	"	"	"	
n-Propylbenzene	**44**	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	5.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	25	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.7 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*93.8 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.5 %*	*74-121*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-25-90804-3-7 (0409113-17) Soil Sampled: 09/08/04 14:50 Received: 09/09/04 08:02									
Benzene	ND	4.2	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Bromobenzene	ND	4.2	"	"	"	"	"	"	
Bromochloromethane	ND	4.2	"	"	"	"	"	"	
Bromodichloromethane	ND	4.2	"	"	"	"	"	"	
Bromoform	ND	4.2	"	"	"	"	"	"	
Bromomethane	ND	4.2	"	"	"	"	"	"	
n-Butylbenzene	ND	4.2	"	"	"	"	"	"	
sec-Butylbenzene	**6.0**	4.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.2	"	"	"	"	"	"	
Chlorobenzene	ND	4.2	"	"	"	"	"	"	
Chloroethane	ND	4.2	"	"	"	"	"	"	
Chloroform	ND	4.2	"	"	"	"	"	"	
Chloromethane	ND	4.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.2	"	"	"	"	"	"	
Dibromochloromethane	ND	4.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.2	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.2	"	"	"	"	"	"	
Dibromomethane	ND	4.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.2	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.2	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.2	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.2	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.2	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.2	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.2	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.2	"	"	"	"	"	"	
Di-isopropyl ether	ND	4.2	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	4.2	"	"	"	"	"	"	
Ethylbenzene	ND	4.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.2	"	"	"	"	"	"	
Isopropylbenzene	**9.2**	4.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.2	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-25-90804-3-7 (0409113-17) Soil Sampled: 09/08/04 14:50 Received: 09/09/04 08:02									
Methylene chloride	ND	4.2	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Methyl tert-butyl ether	ND	4.2	"	"	"	"	"	"	
Naphthalene	ND	4.2	"	"	"	"	"	"	
n-Propylbenzene	**7.8**	4.2	"	"	"	"	"	"	
Styrene	ND	4.2	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	4.2	"	"	"	"	"	"	
Tert-butyl alcohol	ND	21	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.2	"	"	"	"	"	"	
Tetrachloroethene	ND	4.2	"	"	"	"	"	"	
Toluene	ND	4.2	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.2	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.2	"	"	"	"	"	"	
Trichloroethene	ND	4.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.2	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.2	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.2	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.2	"	"	"	"	"	"	
Vinyl chloride	ND	4.2	"	"	"	"	"	"	
m,p-Xylene	ND	4.2	"	"	"	"	"	"	
o-Xylene	ND	4.2	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.0 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*93.4 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*	*74-121*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-24-90804-1-1 (0409113-18) Soil Sampled: 09/08/04 14:00 Received: 09/09/04 08:02									
Benzene	ND	3.8	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Bromobenzene	ND	3.8	"	"	"	"	"	"	
Bromochloromethane	ND	3.8	"	"	"	"	"	"	
Bromodichloromethane	ND	3.8	"	"	"	"	"	"	
Bromoform	ND	3.8	"	"	"	"	"	"	
Bromomethane	ND	3.8	"	"	"	"	"	"	
n-Butylbenzene	ND	3.8	"	"	"	"	"	"	
sec-Butylbenzene	ND	3.8	"	"	"	"	"	"	
tert-Butylbenzene	ND	3.8	"	"	"	"	"	"	
Carbon tetrachloride	ND	3.8	"	"	"	"	"	"	
Chlorobenzene	ND	3.8	"	"	"	"	"	"	
Chloroethane	ND	3.8	"	"	"	"	"	"	
Chloroform	ND	3.8	"	"	"	"	"	"	
Chloromethane	ND	3.8	"	"	"	"	"	"	
2-Chlorotoluene	ND	3.8	"	"	"	"	"	"	
4-Chlorotoluene	ND	3.8	"	"	"	"	"	"	
Dibromochloromethane	ND	3.8	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	3.8	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	3.8	"	"	"	"	"	"	
Dibromomethane	ND	3.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	3.8	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	3.8	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3.8	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	3.8	"	"	"	"	"	"	
1,1-Dichloroethane	**5.0**	3.8	"	"	"	"	"	"	
1,2-Dichloroethane	ND	3.8	"	"	"	"	"	"	
1,1-Dichloroethene	**6.7**	3.8	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**3100**	190	"	50	"	"	"	"	
trans-1,2-Dichloroethene	**380**	3.8	"	1	"	"	"	"	
1,2-Dichloropropane	ND	3.8	"	"	"	"	"	"	
1,3-Dichloropropane	ND	3.8	"	"	"	"	"	"	
2,2-Dichloropropane	ND	3.8	"	"	"	"	"	"	
1,1-Dichloropropene	ND	3.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	3.8	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	3.8	"	"	"	"	"	"	
Di-isopropyl ether	ND	3.8	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	3.8	"	"	"	"	"	"	
Hexachlorobutadiene	ND	3.8	"	"	"	"	"	"	
Isopropylbenzene	ND	3.8	"	"	"	"	"	"	
p-Isopropyltoluene	ND	3.8	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-24-90804-1-1 (0409113-18) Soil Sampled: 09/08/04 14:00 Received: 09/09/04 08:02									
Methylene chloride	ND	3.8	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Methyl tert-butyl ether	ND	3.8	"	"	"	"	"	"	
Naphthalene	**7.2**	3.8	"	"	"	"	"	"	
n-Propylbenzene	ND	3.8	"	"	"	"	"	"	
Styrene	ND	3.8	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	3.8	"	"	"	"	"	"	
Tert-butyl alcohol	ND	19	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	3.8	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	3.8	"	"	"	"	"	"	
Tetrachloroethene	**1900**	190	"	50	"	"	"	"	
Toluene	ND	3.8	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	3.8	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3.8	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	3.8	"	"	"	"	"	"	
Trichloroethene	**1900**	190	"	50	"	"	"	"	
Trichlorofluoromethane	ND	3.8	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	3.8	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	3.8	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	3.8	"	"	"	"	"	"	
Vinyl chloride	ND	3.8	"	"	"	"	"	"	
m,p-Xylene	**3.8**	3.8	"	"	"	"	"	"	
o-Xylene	ND	3.8	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.5 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*94.8 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*		*74-121*	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-24-90804-2-4 (0409113-19) Soil Sampled: 09/08/04 14:10 Received: 09/09/04 08:02									
Benzene	ND	4.3	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Bromobenzene	ND	4.3	"	"	"	"	"	"	
Bromochloromethane	ND	4.3	"	"	"	"	"	"	
Bromodichloromethane	ND	4.3	"	"	"	"	"	"	
Bromoform	ND	4.3	"	"	"	"	"	"	
Bromomethane	ND	4.3	"	"	"	"	"	"	
n-Butylbenzene	ND	4.3	"	"	"	"	"	"	
sec-Butylbenzene	**4.4**	4.3	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.3	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.3	"	"	"	"	"	"	
Chlorobenzene	ND	4.3	"	"	"	"	"	"	
Chloroethane	ND	4.3	"	"	"	"	"	"	
Chloroform	ND	4.3	"	"	"	"	"	"	
Chloromethane	ND	4.3	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.3	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.3	"	"	"	"	"	"	
Dibromochloromethane	ND	4.3	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.3	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.3	"	"	"	"	"	"	
Dibromomethane	ND	4.3	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.3	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.3	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.3	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.3	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.3	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.3	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**5500**	220	"	50	"	"	"	"	
trans-1,2-Dichloroethene	**240**	4.3	"	1	"	"	"	"	
1,2-Dichloropropane	ND	4.3	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.3	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.3	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.3	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.3	"	"	"	"	"	"	
Di-isopropyl ether	ND	4.3	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	4.3	"	"	"	"	"	"	
Ethylbenzene	**11**	4.3	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.3	"	"	"	"	"	"	
Isopropylbenzene	**5.0**	4.3	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.3	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-24-90804-2-4 (0409113-19) Soil Sampled: 09/08/04 14:10 Received: 09/09/04 08:02									
Methylene chloride	ND	4.3	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Methyl tert-butyl ether	ND	4.3	"	"	"	"	"	"	
Naphthalene	ND	4.3	"	"	"	"	"	"	
n-Propylbenzene	**6.2**	4.3	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	4.3	"	"	"	"	"	"	
Tert-butyl alcohol	ND	22	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.3	"	"	"	"	"	"	
Tetrachloroethene	ND	4.3	"	"	"	"	"	"	
Toluene	ND	4.3	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.3	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.3	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.3	"	"	"	"	"	"	
Trichloroethene	**11**	4.3	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.3	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.3	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.3	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.3	"	"	"	"	"	"	
Vinyl chloride	ND	4.3	"	"	"	"	"	"	
m,p-Xylene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.3	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.3 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*95.9 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*74-121*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-24-90804-3-7 (0409113-20) Soil Sampled: 09/08/04 14:20 Received: 09/09/04 08:02									
Benzene	ND	6.0	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Bromobenzene	ND	6.0	"	"	"	"	"	"	
Bromochloromethane	ND	6.0	"	"	"	"	"	"	
Bromodichloromethane	ND	6.0	"	"	"	"	"	"	
Bromoform	ND	6.0	"	"	"	"	"	"	
Bromomethane	ND	6.0	"	"	"	"	"	"	
n-Butylbenzene	ND	6.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	6.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	6.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.0	"	"	"	"	"	"	
Chlorobenzene	ND	6.0	"	"	"	"	"	"	
Chloroethane	ND	6.0	"	"	"	"	"	"	
Chloroform	ND	6.0	"	"	"	"	"	"	
Chloromethane	ND	6.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	6.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	6.0	"	"	"	"	"	"	
Dibromochloromethane	ND	6.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	6.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	6.0	"	"	"	"	"	"	
Dibromomethane	ND	6.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	6.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**400**	150	"	25	"	"	"	"	
trans-1,2-Dichloroethene	**150**	6.0	"	1	"	"	"	"	
1,2-Dichloropropane	ND	6.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	6.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	6.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	6.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	6.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	6.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	6.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	6.0	"	"	"	"	"	"	
Ethylbenzene	**7.4**	6.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	6.0	"	"	"	"	"	"	
Isopropylbenzene	ND	6.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	6.0	"	"	"	"	"	"	

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-24-90804-3-7 (0409113-20) Soil Sampled: 09/08/04 14:20 Received: 09/09/04 08:02									
Methylene chloride	ND	6.0	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Methyl tert-butyl ether	ND	6.0	"	"	"	"	"	"	
Naphthalene	**17**	6.0	"	"	"	"	"	"	
n-Propylbenzene	ND	6.0	"	"	"	"	"	"	
Styrene	ND	6.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	6.0	"	"	"	"	"	"	
Tert-butyl alcohol	**41**	30	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	6.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.0	"	"	"	"	"	"	
Tetrachloroethene	**150**	6.0	"	"	"	"	"	"	
Toluene	ND	6.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	6.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	6.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.0	"	"	"	"	"	"	
Trichloroethene	**32**	6.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	6.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	6.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	6.0	"	"	"	"	"	"	
Vinyl chloride	ND	6.0	"	"	"	"	"	"	
m,p-Xylene	ND	6.0	"	"	"	"	"	"	
o-Xylene	ND	6.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.1 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*95.8 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.9 %*	*74-121*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-23-90804-1-1 (0409113-21) Soil Sampled: 09/08/04 13:30 Received: 09/09/04 08:02									
Benzene	ND	4.1	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Bromobenzene	ND	4.1	"	"	"	"	"	"	
Bromochloromethane	ND	4.1	"	"	"	"	"	"	
Bromodichloromethane	ND	4.1	"	"	"	"	"	"	
Bromoform	ND	4.1	"	"	"	"	"	"	
Bromomethane	ND	4.1	"	"	"	"	"	"	
n-Butylbenzene	ND	4.1	"	"	"	"	"	"	
sec-Butylbenzene	ND	4.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.1	"	"	"	"	"	"	
Chlorobenzene	ND	4.1	"	"	"	"	"	"	
Chloroethane	ND	4.1	"	"	"	"	"	"	
Chloroform	ND	4.1	"	"	"	"	"	"	
Chloromethane	ND	4.1	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.1	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.1	"	"	"	"	"	"	
Dibromochloromethane	ND	4.1	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.1	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.1	"	"	"	"	"	"	
Dibromomethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**24**	4.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**5.5**	4.1	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.1	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.1	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.1	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.1	"	"	"	"	"	"	
Di-isopropyl ether	ND	4.1	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	4.1	"	"	"	"	"	"	
Ethylbenzene	ND	4.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.1	"	"	"	"	"	"	
Isopropylbenzene	ND	4.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.1	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-23-90804-1-1 (0409113-21) Soil Sampled: 09/08/04 13:30 Received: 09/09/04 08:02									
Methylene chloride	ND	4.1	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Methyl tert-butyl ether	ND	4.1	"	"	"	"	"	"	
Naphthalene	ND	4.1	"	"	"	"	"	"	
n-Propylbenzene	ND	4.1	"	"	"	"	"	"	
Styrene	ND	4.1	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	4.1	"	"	"	"	"	"	
Tert-butyl alcohol	ND	21	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.1	"	"	"	"	"	"	
Tetrachloroethene	ND	4.1	"	"	"	"	"	"	
Toluene	ND	4.1	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.1	"	"	"	"	"	"	
Trichloroethene	ND	4.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.1	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.1	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.1	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.1	"	"	"	"	"	"	
Vinyl chloride	ND	4.1	"	"	"	"	"	"	
m,p-Xylene	ND	4.1	"	"	"	"	"	"	
o-Xylene	ND	4.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.0 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*96.1 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.5 %*	*74-121*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-23-90804-2-4 (0409113-22) Soil Sampled: 09/08/04 13:40 Received: 09/09/04 08:02									
Benzene	ND	4.0	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Bromobenzene	ND	4.0	"	"	"	"	"	"	
Bromochloromethane	ND	4.0	"	"	"	"	"	"	
Bromodichloromethane	ND	4.0	"	"	"	"	"	"	
Bromoform	ND	4.0	"	"	"	"	"	"	
Bromomethane	ND	4.0	"	"	"	"	"	"	
n-Butylbenzene	ND	4.0	"	"	"	"	"	"	
sec-Butylbenzene	**22**	4.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.0	"	"	"	"	"	"	
Chloroethane	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.0	"	"	"	"	"	"	
Chloromethane	ND	4.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.0	"	"	"	"	"	"	
Dibromochloromethane	ND	4.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.0	"	"	"	"	"	"	
Dibromomethane	ND	4.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**42**	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**16**	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	4.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	4.0	"	"	"	"	"	"	
Ethylbenzene	**43**	4.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.0	"	"	"	"	"	"	
Isopropylbenzene	**26**	4.0	"	"	"	"	"	"	
p-Isopropyltoluene	**8.2**	4.0	"	"	"	"	"	"	

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26052 Merit Circle Suite 105, Laguna Hills, California 92653
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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-23-90804-2-4 (0409113-22) Soil Sampled: 09/08/04 13:40 Received: 09/09/04 08:02									
Methylene chloride	ND	4.0	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Methyl tert-butyl ether	ND	4.0	"	"	"	"	"	"	
Naphthalene	**150**	4.0	"	"	"	"	"	"	
n-Propylbenzene	**26**	4.0	"	"	"	"	"	"	
Styrene	ND	4.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	4.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.0	"	"	"	"	"	"	
Tetrachloroethene	ND	4.0	"	"	"	"	"	"	
Toluene	ND	4.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.0	"	"	"	"	"	"	
Trichloroethene	ND	4.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.0	"	"	"	"	"	"	
Vinyl chloride	ND	4.0	"	"	"	"	"	"	
m,p-Xylene	ND	4.0	"	"	"	"	"	"	
o-Xylene	ND	4.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.4 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*95.5 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*74-121*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-23-90804-3-7 (0409113-23) Soil Sampled: 09/08/04 13:50 Received: 09/09/04 08:02									
Benzene	ND	4.0	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Bromobenzene	ND	4.0	"	"	"	"	"	"	
Bromochloromethane	ND	4.0	"	"	"	"	"	"	
Bromodichloromethane	ND	4.0	"	"	"	"	"	"	
Bromoform	ND	4.0	"	"	"	"	"	"	
Bromomethane	ND	4.0	"	"	"	"	"	"	
n-Butylbenzene	ND	4.0	"	"	"	"	"	"	
sec-Butylbenzene	**20**	4.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.0	"	"	"	"	"	"	
Chloroethane	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.0	"	"	"	"	"	"	
Chloromethane	ND	4.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.0	"	"	"	"	"	"	
Dibromochloromethane	ND	4.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.0	"	"	"	"	"	"	
Dibromomethane	ND	4.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**9.3**	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	4.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	4.0	"	"	"	"	"	"	
Ethylbenzene	ND	4.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.0	"	"	"	"	"	"	
Isopropylbenzene	**58**	4.0	"	"	"	"	"	"	
p-Isopropyltoluene	**4.1**	4.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-23-90804-3-7 (0409113-23) Soil Sampled: 09/08/04 13:50 Received: 09/09/04 08:02									
Methylene chloride	ND	4.0	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Methyl tert-butyl ether	ND	4.0	"	"	"	"	"	"	
Naphthalene	**240**	4.0	"	"	"	"	"	"	
n-Propylbenzene	**66**	4.0	"	"	"	"	"	"	
Styrene	ND	4.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	4.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.0	"	"	"	"	"	"	
Tetrachloroethene	ND	4.0	"	"	"	"	"	"	
Toluene	ND	4.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.0	"	"	"	"	"	"	
Trichloroethene	ND	4.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.0	"	"	"	"	"	"	
Vinyl chloride	ND	4.0	"	"	"	"	"	"	
m,p-Xylene	ND	4.0	"	"	"	"	"	"	
o-Xylene	ND	4.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.0 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*95.5 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*74-121*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-20-90804-1-1 (0409113-24) Soil Sampled: 09/08/04 10:10 Received: 09/09/04 08:02									
Benzene	ND	3.7	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Bromobenzene	ND	3.7	"	"	"	"	"	"	
Bromochloromethane	ND	3.7	"	"	"	"	"	"	
Bromodichloromethane	ND	3.7	"	"	"	"	"	"	
Bromoform	ND	3.7	"	"	"	"	"	"	
Bromomethane	ND	3.7	"	"	"	"	"	"	
n-Butylbenzene	ND	3.7	"	"	"	"	"	"	
sec-Butylbenzene	ND	3.7	"	"	"	"	"	"	
tert-Butylbenzene	ND	3.7	"	"	"	"	"	"	
Carbon tetrachloride	ND	3.7	"	"	"	"	"	"	
Chlorobenzene	ND	3.7	"	"	"	"	"	"	
Chloroethane	ND	3.7	"	"	"	"	"	"	
Chloroform	ND	3.7	"	"	"	"	"	"	
Chloromethane	ND	3.7	"	"	"	"	"	"	
2-Chlorotoluene	ND	3.7	"	"	"	"	"	"	
4-Chlorotoluene	ND	3.7	"	"	"	"	"	"	
Dibromochloromethane	ND	3.7	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	3.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	3.7	"	"	"	"	"	"	
Dibromomethane	ND	3.7	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	3.7	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	3.7	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3.7	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	3.7	"	"	"	"	"	"	
1,1-Dichloroethane	ND	3.7	"	"	"	"	"	"	
1,2-Dichloroethane	ND	3.7	"	"	"	"	"	"	
1,1-Dichloroethene	ND	3.7	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	3.7	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	3.7	"	"	"	"	"	"	
1,2-Dichloropropane	ND	3.7	"	"	"	"	"	"	
1,3-Dichloropropane	ND	3.7	"	"	"	"	"	"	
2,2-Dichloropropane	ND	3.7	"	"	"	"	"	"	
1,1-Dichloropropene	ND	3.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	3.7	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	3.7	"	"	"	"	"	"	
Di-isopropyl ether	ND	3.7	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	3.7	"	"	"	"	"	"	
Ethylbenzene	ND	3.7	"	"	"	"	"	"	
Hexachlorobutadiene	ND	3.7	"	"	"	"	"	"	
Isopropylbenzene	ND	3.7	"	"	"	"	"	"	
p-Isopropyltoluene	ND	3.7	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-20-90804-1-1 (0409113-24) Soil Sampled: 09/08/04 10:10 Received: 09/09/04 08:02									
Methylene chloride	ND	3.7	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Methyl tert-butyl ether	ND	3.7	"	"	"	"	"	"	
Naphthalene	ND	3.7	"	"	"	"	"	"	
n-Propylbenzene	ND	3.7	"	"	"	"	"	"	
Styrene	ND	3.7	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	3.7	"	"	"	"	"	"	
Tert-butyl alcohol	ND	18	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	3.7	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	3.7	"	"	"	"	"	"	
Tetrachloroethene	ND	3.7	"	"	"	"	"	"	
Toluene	ND	3.7	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	3.7	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3.7	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	3.7	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	3.7	"	"	"	"	"	"	
Trichloroethene	ND	3.7	"	"	"	"	"	"	
Trichlorofluoromethane	ND	3.7	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	3.7	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	3.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	3.7	"	"	"	"	"	"	
Vinyl chloride	ND	3.7	"	"	"	"	"	"	
m,p-Xylene	ND	3.7	"	"	"	"	"	"	
o-Xylene	ND	3.7	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.4 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*95.7 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.8 %*		*74-121*	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-20-90804-2-4 (0409113-25) Soil Sampled: 09/08/04 10:20 Received: 09/09/04 08:02									
Benzene	ND	3.8	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Bromobenzene	ND	3.8	"	"	"	"	"	"	
Bromochloromethane	ND	3.8	"	"	"	"	"	"	
Bromodichloromethane	ND	3.8	"	"	"	"	"	"	
Bromoform	ND	3.8	"	"	"	"	"	"	
Bromomethane	ND	3.8	"	"	"	"	"	"	
n-Butylbenzene	ND	3.8	"	"	"	"	"	"	
sec-Butylbenzene	**29**	3.8	"	"	"	"	"	"	
tert-Butylbenzene	ND	3.8	"	"	"	"	"	"	
Carbon tetrachloride	ND	3.8	"	"	"	"	"	"	
Chlorobenzene	ND	3.8	"	"	"	"	"	"	
Chloroethane	ND	3.8	"	"	"	"	"	"	
Chloroform	ND	3.8	"	"	"	"	"	"	
Chloromethane	ND	3.8	"	"	"	"	"	"	
2-Chlorotoluene	ND	3.8	"	"	"	"	"	"	
4-Chlorotoluene	ND	3.8	"	"	"	"	"	"	
Dibromochloromethane	ND	3.8	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	3.8	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	3.8	"	"	"	"	"	"	
Dibromomethane	ND	3.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	3.8	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	3.8	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3.8	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	3.8	"	"	"	"	"	"	
1,1-Dichloroethane	**4.9**	3.8	"	"	"	"	"	"	
1,2-Dichloroethane	ND	3.8	"	"	"	"	"	"	
1,1-Dichloroethene	ND	3.8	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**13**	3.8	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**5.8**	3.8	"	"	"	"	"	"	
1,2-Dichloropropane	ND	3.8	"	"	"	"	"	"	
1,3-Dichloropropane	ND	3.8	"	"	"	"	"	"	
2,2-Dichloropropane	ND	3.8	"	"	"	"	"	"	
1,1-Dichloropropene	ND	3.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	3.8	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	3.8	"	"	"	"	"	"	
Di-isopropyl ether	ND	3.8	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	3.8	"	"	"	"	"	"	
Ethylbenzene	**200**	3.8	"	"	"	"	"	"	
Hexachlorobutadiene	ND	3.8	"	"	"	"	"	"	
Isopropylbenzene	**87**	3.8	"	"	"	"	"	"	
p-Isopropyltoluene	**7.4**	3.8	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-20-90804-2-4 (0409113-25) Soil Sampled: 09/08/04 10:20 Received: 09/09/04 08:02									
Methylene chloride	ND	3.8	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Methyl tert-butyl ether	ND	3.8	"	"	"	"	"	"	
Naphthalene	**350**	3.8	"	"	"	"	"	"	
n-Propylbenzene	**100**	3.8	"	"	"	"	"	"	
Styrene	ND	3.8	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	3.8	"	"	"	"	"	"	
Tert-butyl alcohol	ND	19	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	3.8	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	3.8	"	"	"	"	"	"	
Tetrachloroethene	ND	3.8	"	"	"	"	"	"	
Toluene	ND	3.8	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	3.8	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3.8	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	3.8	"	"	"	"	"	"	
Trichloroethene	**6.7**	3.8	"	"	"	"	"	"	
Trichlorofluoromethane	ND	3.8	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	3.8	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	3.8	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	3.8	"	"	"	"	"	"	
Vinyl chloride	ND	3.8	"	"	"	"	"	"	
m,p-Xylene	ND	3.8	"	"	"	"	"	"	
o-Xylene	ND	3.8	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.2 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*94.2 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*74-121*	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-20-90804-3-7 (0409113-26) Soil Sampled: 09/08/04 10:30 Received: 09/09/04 08:02									
Benzene	ND	4.4	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Bromobenzene	ND	4.4	"	"	"	"	"	"	
Bromochloromethane	ND	4.4	"	"	"	"	"	"	
Bromodichloromethane	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	4.4	"	"	"	"	"	"	
Bromomethane	ND	4.4	"	"	"	"	"	"	
n-Butylbenzene	ND	4.4	"	"	"	"	"	"	
sec-Butylbenzene	**6.4**	4.4	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.4	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.4	"	"	"	"	"	"	
Chloroethane	ND	4.4	"	"	"	"	"	"	
Chloroform	ND	4.4	"	"	"	"	"	"	
Chloromethane	ND	4.4	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.4	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.4	"	"	"	"	"	"	
Dibromochloromethane	ND	4.4	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.4	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.4	"	"	"	"	"	"	
Dibromomethane	ND	4.4	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.4	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.4	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.4	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.4	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.4	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.4	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.4	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.4	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.4	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.4	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.4	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.4	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.4	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.4	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.4	"	"	"	"	"	"	
Di-isopropyl ether	ND	4.4	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	4.4	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.4	"	"	"	"	"	"	
Isopropylbenzene	**15**	4.4	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.4	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-20-90804-3-7 (0409113-26) Soil Sampled: 09/08/04 10:30 Received: 09/09/04 08:02									
Methylene chloride	ND	4.4	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Methyl tert-butyl ether	ND	4.4	"	"	"	"	"	"	
Naphthalene	**100**	4.4	"	"	"	"	"	"	
n-Propylbenzene	**20**	4.4	"	"	"	"	"	"	
Styrene	ND	4.4	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	4.4	"	"	"	"	"	"	
Tert-butyl alcohol	ND	22	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.4	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.4	"	"	"	"	"	"	
Tetrachloroethene	ND	4.4	"	"	"	"	"	"	
Toluene	ND	4.4	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.4	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.4	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.4	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.4	"	"	"	"	"	"	
Trichloroethene	ND	4.4	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.4	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.4	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.4	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.4	"	"	"	"	"	"	
Vinyl chloride	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	4.4	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90.6 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*96.1 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.1 %*	*74-121*		"	"	"	"	

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26052 Merit Circle Suite 105, Laguna Hills, California 92653
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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QCFB-090804 (0409113-27) Liquid Sampled: 09/08/04 16:45 Received: 09/09/04 08:02									
Benzene	ND	1.0	µg/L	1	B4I1406	09/13/04	09/14/04	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QCFB-090804 (0409113-27) Liquid Sampled: 09/08/04 16:45 Received: 09/09/04 08:02									
Methylene chloride	ND	1.0	µg/L	1	B4I1406	09/13/04	09/14/04	EPA 8260B	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.0 %*	*86-118*		"	"	"	"	
Surrogate: Toluene-d8		*95.2 %*	*88-110*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*86-115*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QCEB-090804 (0409113-28) Liquid Sampled: 09/08/04 16:40 Received: 09/09/04 08:02									
Benzene	ND	1.0	µg/L	1	B4I1406	09/13/04	09/14/04	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QCEB-090804 (0409113-28) Liquid Sampled: 09/08/04 16:40 Received: 09/09/04 08:02									
Methylene chloride	ND	1.0	µg/L	1	B4I1406	09/13/04	09/14/04	EPA 8260B	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90.0 %*	*86-118*		"	"	"	"	
Surrogate: Toluene-d8		*94.2 %*	*88-110*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.6 %*	*86-115*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-22-90804-1-1 (0409113-34) Soil Sampled: 09/08/04 11:10 Received: 09/09/04 08:02									
Benzene	ND	3.9	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Bromobenzene	ND	3.9	"	"	"	"	"	"	
Bromochloromethane	ND	3.9	"	"	"	"	"	"	
Bromodichloromethane	ND	3.9	"	"	"	"	"	"	
Bromoform	ND	3.9	"	"	"	"	"	"	
Bromomethane	ND	3.9	"	"	"	"	"	"	
n-Butylbenzene	ND	3.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	3.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	3.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	3.9	"	"	"	"	"	"	
Chlorobenzene	ND	3.9	"	"	"	"	"	"	
Chloroethane	ND	3.9	"	"	"	"	"	"	
Chloroform	ND	3.9	"	"	"	"	"	"	
Chloromethane	ND	3.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	3.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	3.9	"	"	"	"	"	"	
Dibromochloromethane	ND	3.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	3.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	3.9	"	"	"	"	"	"	
Dibromomethane	ND	3.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	3.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	3.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**210**	3.9	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**74**	3.9	"	"	"	"	"	"	
1,2-Dichloropropane	ND	3.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	3.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	3.9	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	3.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	3.9	"	"	"	"	"	"	
Di-isopropyl ether	ND	3.9	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	3.9	"	"	"	"	"	"	
Ethylbenzene	ND	3.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	3.9	"	"	"	"	"	"	
Isopropylbenzene	ND	3.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	3.9	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-22-90804-1-1 (0409113-34) Soil Sampled: 09/08/04 11:10 Received: 09/09/04 08:02									
Methylene chloride	ND	3.9	µg/kg	1	B4I1510	09/13/04	09/13/04	EPA 8260B	
Methyl tert-butyl ether	ND	3.9	"	"	"	"	"	"	
Naphthalene	ND	3.9	"	"	"	"	"	"	
n-Propylbenzene	ND	3.9	"	"	"	"	"	"	
Styrene	ND	3.9	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	3.9	"	"	"	"	"	"	
Tert-butyl alcohol	ND	19	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	3.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	3.9	"	"	"	"	"	"	
Tetrachloroethene	**1900**	190	"	50	"	"	"	"	
Toluene	ND	3.9	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	3.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	3.9	"	"	"	"	"	"	
Trichloroethene	**210**	190	"	50	"	"	"	"	
Trichlorofluoromethane	ND	3.9	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	3.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	3.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	3.9	"	"	"	"	"	"	
Vinyl chloride	ND	3.9	"	"	"	"	"	"	
m,p-Xylene	ND	3.9	"	"	"	"	"	"	
o-Xylene	ND	3.9	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.8 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*95.4 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.3 %*		*74-121*	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-22-90804-2-4 (0409113-35) Soil Sampled: 09/08/04 11:20 Received: 09/09/04 08:02									
Benzene	ND	4.1	µg/kg	1	B4I1510	09/13/04	09/14/04	EPA 8260B	
Bromobenzene	ND	4.1	"	"	"	"	"	"	
Bromochloromethane	ND	4.1	"	"	"	"	"	"	
Bromodichloromethane	ND	4.1	"	"	"	"	"	"	
Bromoform	ND	4.1	"	"	"	"	"	"	
Bromomethane	ND	4.1	"	"	"	"	"	"	
n-Butylbenzene	ND	4.1	"	"	"	"	"	"	
sec-Butylbenzene	ND	4.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.1	"	"	"	"	"	"	
Chlorobenzene	ND	4.1	"	"	"	"	"	"	
Chloroethane	ND	4.1	"	"	"	"	"	"	
Chloroform	ND	4.1	"	"	"	"	"	"	
Chloromethane	ND	4.1	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.1	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.1	"	"	"	"	"	"	
Dibromochloromethane	ND	4.1	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.1	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.1	"	"	"	"	"	"	
Dibromomethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**800**	200	"	50	"	"	"	"	
trans-1,2-Dichloroethene	**400**	200	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.1	"	1	"	"	"	"	
1,3-Dichloropropane	ND	4.1	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.1	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.1	"	"	"	"	"	"	
Di-isopropyl ether	ND	4.1	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	4.1	"	"	"	"	"	"	
Ethylbenzene	ND	4.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.1	"	"	"	"	"	"	
Isopropylbenzene	ND	4.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.1	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-22-90804-2-4 (0409113-35) Soil Sampled: 09/08/04 11:20 Received: 09/09/04 08:02									
Methylene chloride	ND	4.1	µg/kg	1	B4I1510	09/13/04	09/14/04	EPA 8260B	
Methyl tert-butyl ether	ND	4.1	"	"	"	"	"	"	
Naphthalene	ND	4.1	"	"	"	"	"	"	
n-Propylbenzene	ND	4.1	"	"	"	"	"	"	
Styrene	ND	4.1	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	4.1	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.1	"	"	"	"	"	"	
Tetrachloroethene	**110**	4.1	"	"	"	"	"	"	
Toluene	ND	4.1	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.1	"	"	"	"	"	"	
Trichloroethene	**290**	4.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.1	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.1	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.1	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.1	"	"	"	"	"	"	
Vinyl chloride	ND	4.1	"	"	"	"	"	"	
m,p-Xylene	ND	4.1	"	"	"	"	"	"	
o-Xylene	ND	4.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.7 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*94.1 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.1 %*	*74-121*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-22-90804-3-7 (0409113-36) Soil Sampled: 09/08/04 11:30 Received: 09/09/04 08:02									
Benzene	ND	5.0	µg/kg	1	B4I1510	09/13/04	09/14/04	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**240**	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**220**	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-22-90804-3-7 (0409113-36) Soil Sampled: 09/08/04 11:30 Received: 09/09/04 08:02									
Methylene chloride	ND	5.0	µg/kg	1	B4I1510	09/13/04	09/14/04	EPA 8260B	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	**110**	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	5.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	25	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.3 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*94.6 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*74-121*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-27-90804-1-1 (0409113-37) Soil Sampled: 09/08/04 15:30 Received: 09/09/04 08:02									
Benzene	ND	4.3	µg/kg	1	B4I1510	09/13/04	09/14/04	EPA 8260B	
Bromobenzene	ND	4.3	"	"	"	"	"	"	
Bromochloromethane	ND	4.3	"	"	"	"	"	"	
Bromodichloromethane	ND	4.3	"	"	"	"	"	"	
Bromoform	ND	4.3	"	"	"	"	"	"	
Bromomethane	ND	4.3	"	"	"	"	"	"	
n-Butylbenzene	ND	4.3	"	"	"	"	"	"	
sec-Butylbenzene	ND	4.3	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.3	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.3	"	"	"	"	"	"	
Chlorobenzene	ND	4.3	"	"	"	"	"	"	
Chloroethane	ND	4.3	"	"	"	"	"	"	
Chloroform	ND	4.3	"	"	"	"	"	"	
Chloromethane	ND	4.3	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.3	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.3	"	"	"	"	"	"	
Dibromochloromethane	ND	4.3	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.3	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.3	"	"	"	"	"	"	
Dibromomethane	ND	4.3	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.3	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.3	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	4.3	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	4.3	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.3	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.3	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**65**	4.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.3	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.3	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.3	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.3	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.3	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.3	"	"	"	"	"	"	
Di-isopropyl ether	ND	4.3	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	4.3	"	"	"	"	"	"	
Ethylbenzene	ND	4.3	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.3	"	"	"	"	"	"	
Isopropylbenzene	ND	4.3	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.3	"	"	"	"	"	"	

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26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-27-90804-1-1 (0409113-37) Soil Sampled: 09/08/04 15:30 Received: 09/09/04 08:02									
Methylene chloride	ND	4.3	µg/kg	1	B4I1510	09/13/04	09/14/04	EPA 8260B	
Methyl tert-butyl ether	ND	4.3	"	"	"	"	"	"	
Naphthalene	ND	4.3	"	"	"	"	"	"	
n-Propylbenzene	ND	4.3	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	4.3	"	"	"	"	"	"	
Tert-butyl alcohol	ND	22	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.3	"	"	"	"	"	"	
Tetrachloroethene	ND	4.3	"	"	"	"	"	"	
Toluene	ND	4.3	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.3	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.3	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.3	"	"	"	"	"	"	
Trichloroethene	**13**	4.3	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.3	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.3	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	4.3	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.3	"	"	"	"	"	"	
Vinyl chloride	ND	4.3	"	"	"	"	"	"	
m,p-Xylene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.3	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.2 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*94.9 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.9 %*		*74-121*	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-27-90804-2-4 (0409113-38) Soil Sampled: 09/08/04 15:40 Received: 09/09/04 08:02									
Benzene	ND	3.9	µg/kg	1	B4I1510	09/13/04	09/14/04	EPA 8260B	
Bromobenzene	ND	3.9	"	"	"	"	"	"	
Bromochloromethane	ND	3.9	"	"	"	"	"	"	
Bromodichloromethane	ND	3.9	"	"	"	"	"	"	
Bromoform	ND	3.9	"	"	"	"	"	"	
Bromomethane	ND	3.9	"	"	"	"	"	"	
n-Butylbenzene	ND	3.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	3.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	3.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	3.9	"	"	"	"	"	"	
Chlorobenzene	ND	3.9	"	"	"	"	"	"	
Chloroethane	ND	3.9	"	"	"	"	"	"	
Chloroform	ND	3.9	"	"	"	"	"	"	
Chloromethane	ND	3.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	3.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	3.9	"	"	"	"	"	"	
Dibromochloromethane	ND	3.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	3.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	3.9	"	"	"	"	"	"	
Dibromomethane	ND	3.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	3.9	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloroethane	ND	3.9	"	"	"	"	"	"	
1,2-Dichloroethane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloroethene	ND	3.9	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**430**	200	"	50	"	"	"	"	
trans-1,2-Dichloroethene	**67**	3.9	"	1	"	"	"	"	
1,2-Dichloropropane	ND	3.9	"	"	"	"	"	"	
1,3-Dichloropropane	ND	3.9	"	"	"	"	"	"	
2,2-Dichloropropane	ND	3.9	"	"	"	"	"	"	
1,1-Dichloropropene	ND	3.9	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	3.9	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	3.9	"	"	"	"	"	"	
Di-isopropyl ether	ND	3.9	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	3.9	"	"	"	"	"	"	
Ethylbenzene	ND	3.9	"	"	"	"	"	"	
Hexachlorobutadiene	ND	3.9	"	"	"	"	"	"	
Isopropylbenzene	ND	3.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	3.9	"	"	"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-27-90804-2-4 (0409113-38) Soil Sampled: 09/08/04 15:40 Received: 09/09/04 08:02									
Methylene chloride	ND	3.9	µg/kg	1	B4I1510	09/13/04	09/14/04	EPA 8260B	
Methyl tert-butyl ether	**5.2**	3.9	"	"	"	"	"	"	
Naphthalene	**7.9**	3.9	"	"	"	"	"	"	
n-Propylbenzene	ND	3.9	"	"	"	"	"	"	
Styrene	ND	3.9	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	3.9	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	3.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	3.9	"	"	"	"	"	"	
Tetrachloroethene	ND	3.9	"	"	"	"	"	"	
Toluene	ND	3.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	3.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	3.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	3.9	"	"	"	"	"	"	
Trichloroethene	ND	3.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	3.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	3.9	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	3.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	3.9	"	"	"	"	"	"	
Vinyl chloride	ND	3.9	"	"	"	"	"	"	
m,p-Xylene	ND	3.9	"	"	"	"	"	"	
o-Xylene	ND	3.9	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.6 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*95.4 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.2 %*	*74-121*		"	"	"	"	

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:06

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I0923 - 7199										
Blank (B4I0923-BLK1)				Prepared & Analyzed: 09/09/04						
Hexavalent Chromium	ND	0.0020	mg/L							
LCS (B4I0923-BS1)				Prepared & Analyzed: 09/09/04						
Hexavalent Chromium	0.00653	0.0020	mg/L	0.00600		109	90-110			
Matrix Spike (B4I0923-MS1)		Source: 0409113-27		Prepared & Analyzed: 09/09/04						
Hexavalent Chromium	ND	0.0020	mg/L	0.00600	ND		80-120			QM-01
Matrix Spike Dup (B4I0923-MSD1)		Source: 0409113-27		Prepared & Analyzed: 09/09/04						
Hexavalent Chromium	0.000528	0.0020	mg/L	0.00600	ND	8.80	80-120		20	QM-01
Batch B4I1003 - EPA 3060A										
Blank (B4I1003-BLK1)				Prepared & Analyzed: 09/10/04						
Hexavalent Chromium	ND	0.50	mg/kg							
LCS (B4I1003-BS1)				Prepared: 09/10/04 Analyzed: 09/13/04						
Hexavalent Chromium	2.73	0.50	mg/kg	2.50		109	80-120			
Matrix Spike (B4I1003-MS1)		Source: 0409103-03		Prepared & Analyzed: 09/10/04						
Hexavalent Chromium	3.05	0.50	mg/kg	2.40	0.29	115	75-125			
Matrix Spike Dup (B4I1003-MSD1)		Source: 0409103-03		Prepared & Analyzed: 09/10/04						
Hexavalent Chromium	2.96	0.50	mg/kg	2.45	0.29	109	75-125	3.00	20	
Batch B4I1326 - EPA 3050B										
Blank (B4I1326-BLK1)				Prepared: 09/13/04 Analyzed: 09/16/04						
Antimony	ND	1.0	mg/kg							
Arsenic	ND	1.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	1.0	"							
Chromium	ND	2.5	"							
Cobalt	ND	1.0	"							
Copper	ND	2.5	"							
Lead	ND	1.0	"							
Molybdenum	ND	1.5	"							
Nickel	ND	1.0	"							
Selenium	ND	1.5	"							
Silver	ND	1.0	"							

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1326 - EPA 3050B										
Blank (B4I1326-BLK1)				Prepared: 09/13/04	Analyzed: 09/16/04					
Thallium	ND	1.0	mg/kg							
Vanadium	ND	1.0	"							
Zinc	ND	5.0	"							
LCS (B4I1326-BS1)				Prepared: 09/13/04	Analyzed: 09/16/04					
Antimony	51.5	1.0	mg/kg	50.0		103	80-120			
Arsenic	51.4	1.0	"	50.0		103	80-120			
Barium	54.1	1.0	"	50.0		108	80-120			
Beryllium	52.4	1.0	"	50.0		105	80-120			
Cadmium	52.9	1.0	"	50.0		106	80-120			
Chromium	49.7	2.5	"	50.0		99.4	80-120			
Cobalt	50.5	1.0	"	50.0		101	80-120			
Copper	49.5	2.5	"	50.0		99.0	80-120			
Lead	51.6	1.0	"	50.0		103	80-120			
Molybdenum	50.1	1.5	"	50.0		100	80-120			
Nickel	50.7	1.0	"	50.0		101	80-120			
Selenium	50.9	1.5	"	50.0		102	80-120			
Silver	53.0	1.0	"	50.0		106	80-120			
Thallium	53.3	1.0	"	50.0		107	80-120			
Vanadium	52.0	1.0	"	50.0		104	80-120			
Zinc	50.0	5.0	"	50.0		100	80-120			
Matrix Spike (B4I1326-MS1)		**Source: 0409103-03**		Prepared: 09/13/04	Analyzed: 09/16/04					
Antimony	43.7	1.0	mg/kg	49.2	0.80	87.2	75-125			
Arsenic	50.1	1.0	"	49.2	7.5	86.6	75-125			
Barium	230	1.0	"	49.2	170	122	75-125			QM-HA
Beryllium	45.2	1.0	"	49.2	0.62	90.6	75-125			
Cadmium	50.2	1.0	"	49.2	0.33	101	75-125			
Chromium	79.4	2.5	"	49.2	31	98.4	75-125			
Cobalt	58.8	1.0	"	49.2	12	95.1	75-125			
Copper	94.6	2.5	"	49.2	49	92.7	75-125			
Lead	54.2	1.0	"	49.2	8.5	92.9	75-125			
Molybdenum	48.7	1.5	"	49.2	0.45	98.1	75-125			
Nickel	72.8	1.0	"	49.2	26	95.1	75-125			
Selenium	40.7	1.5	"	49.2	ND	82.7	75-125			
Silver	48.6	1.0	"	49.2	ND	98.8	75-125			
Thallium	47.5	1.0	"	49.2	0.20	96.1	75-125			
Vanadium	114	1.0	"	49.2	58	114	75-125			

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:06

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1326 - EPA 3050B										
Matrix Spike (B4I1326-MS1)		**Source: 0409103-03**		Prepared: 09/13/04		Analyzed: 09/16/04				
Zinc	108	5.0	mg/kg	49.2	63	91.5	75-125			
Matrix Spike Dup (B4I1326-MSD1)		**Source: 0409103-03**		Prepared: 09/13/04		Analyzed: 09/16/04				
Antimony	39.0	1.0	mg/kg	45.6	0.80	83.8	75-125	11.4	20	
Arsenic	46.2	1.0	"	45.6	7.5	84.9	75-125	8.10	20	
Barium	236	1.0	"	45.6	170	145	75-125	2.58	20	QM-HA
Beryllium	41.0	1.0	"	45.6	0.62	88.6	75-125	9.74	20	
Cadmium	46.1	1.0	"	45.6	0.33	100	75-125	8.52	20	
Chromium	73.8	2.5	"	45.6	31	93.9	75-125	7.31	20	
Cobalt	53.9	1.0	"	45.6	12	91.9	75-125	8.70	20	
Copper	86.7	2.5	"	45.6	49	82.7	75-125	8.71	20	
Lead	47.8	1.0	"	45.6	8.5	86.2	75-125	12.5	20	
Molybdenum	45.3	1.5	"	45.6	0.45	98.4	75-125	7.23	20	
Nickel	68.2	1.0	"	45.6	26	92.5	75-125	6.52	20	
Selenium	36.9	1.5	"	45.6	ND	80.9	75-125	9.79	20	
Silver	44.6	1.0	"	45.6	ND	97.8	75-125	8.58	20	
Thallium	43.1	1.0	"	45.6	0.20	94.1	75-125	9.71	20	
Vanadium	106	1.0	"	45.6	58	105	75-125	7.27	20	
Zinc	103	5.0	"	45.6	63	87.7	75-125	4.74	20	
Batch B4I1327 - EPA 3050B										
Blank (B4I1327-BLK1)				Prepared: 09/13/04		Analyzed: 09/20/04				
Antimony	ND	1.0	mg/kg							
Arsenic	ND	1.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	1.0	"							
Chromium	ND	2.5	"							
Cobalt	ND	1.0	"							
Copper	ND	2.5	"							
Lead	ND	1.0	"							
Molybdenum	ND	1.5	"							
Nickel	ND	1.0	"							
Selenium	ND	1.5	"							
Silver	ND	1.0	"							
Thallium	ND	1.0	"							
Vanadium	ND	1.0	"							

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:06

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1327 - EPA 3050B										
Blank (B4I1327-BLK1)				Prepared: 09/13/04	Analyzed: 09/20/04					
Zinc	ND	5.0	mg/kg							
LCS (B4I1327-BS1)				Prepared: 09/13/04	Analyzed: 09/17/04					
Antimony	49.4	1.0	mg/kg	50.0		98.8	80-120			
Arsenic	49.4	1.0	"	50.0		98.8	80-120			
Barium	51.6	1.0	"	50.0		103	80-120			
Beryllium	50.9	1.0	"	50.0		102	80-120			
Cadmium	50.2	1.0	"	50.0		100	80-120			
Chromium	48.6	2.5	"	50.0		97.2	80-120			
Cobalt	47.8	1.0	"	50.0		95.6	80-120			
Copper	47.7	2.5	"	50.0		95.4	80-120			
Lead	49.1	1.0	"	50.0		98.2	80-120			
Molybdenum	48.3	1.5	"	50.0		96.6	80-120			
Nickel	48.6	1.0	"	50.0		97.2	80-120			
Selenium	50.1	1.5	"	50.0		100	80-120			
Silver	48.3	1.0	"	50.0		96.6	80-120			
Thallium	50.6	1.0	"	50.0		101	80-120			
Vanadium	40.8	1.0	"	50.0		81.6	80-120			
Zinc	47.7	5.0	"	50.0		95.4	80-120			
Matrix Spike (B4I1327-MS1)		Source: 0409113-17		Prepared: 09/13/04	Analyzed: 09/20/04					
Antimony	38.6	1.0	mg/kg	47.9	0.78	79.0	75-125			
Arsenic	51.6	1.0	"	47.9	8.3	90.4	75-125			
Barium	222	1.0	"	47.9	180	87.7	75-125			
Beryllium	45.7	1.0	"	47.9	0.63	94.1	75-125			
Cadmium	50.8	1.0	"	47.9	0.24	106	75-125			
Chromium	74.8	2.5	"	47.9	32	89.4	75-125			
Cobalt	57.0	1.0	"	47.9	12	93.9	75-125			
Copper	72.4	2.5	"	47.9	30	88.5	75-125			
Lead	52.2	1.0	"	47.9	7.5	93.3	75-125			
Molybdenum	49.1	1.5	"	47.9	1.0	100	75-125			
Nickel	69.2	1.0	"	47.9	24	94.4	75-125			
Selenium	44.6	1.5	"	47.9	ND	93.1	75-125			
Silver	6.93	1.0	"	47.9	ND	14.5	75-125			QM-01
Thallium	46.1	1.0	"	47.9	0.19	95.8	75-125			
Vanadium	82.4	1.0	"	47.9	46	76.0	75-125			
Zinc	108	5.0	"	47.9	64	91.9	75-125			

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:06

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1327 - EPA 3050B										
Matrix Spike Dup (B4I1327-MSD1)		**Source: 0409113-17**		Prepared: 09/13/04		Analyzed: 09/17/04				
Antimony	42.1	1.0	mg/kg	47.3	0.78	87.4	75-125	8.67	20	
Arsenic	48.5	1.0	"	47.3	8.3	85.0	75-125	6.19	20	
Barium	223	1.0	"	47.3	180	90.9	75-125	0.449	20	
Beryllium	42.7	1.0	"	47.3	0.63	88.9	75-125	6.79	20	
Cadmium	47.5	1.0	"	47.3	0.24	99.9	75-125	6.71	20	
Chromium	76.9	2.5	"	47.3	32	94.9	75-125	2.77	20	
Cobalt	56.6	1.0	"	47.3	12	94.3	75-125	0.704	20	
Copper	72.2	2.5	"	47.3	30	89.2	75-125	0.277	20	
Lead	49.0	1.0	"	47.3	7.5	87.7	75-125	6.32	20	
Molybdenum	47.0	1.5	"	47.3	1.0	97.3	75-125	4.37	20	
Nickel	69.9	1.0	"	47.3	24	97.0	75-125	1.01	20	
Selenium	39.5	1.5	"	47.3	ND	83.5	75-125	12.1	20	
Silver	41.6	1.0	"	47.3	ND	87.9	75-125	143	20	QM-01
Thallium	44.3	1.0	"	47.3	0.19	93.3	75-125	3.98	20	
Vanadium	95.5	1.0	"	47.3	46	105	75-125	14.7	20	
Zinc	103	5.0	"	47.3	64	82.5	75-125	4.74	20	
Batch B4I1328 - EPA 7471A										
Blank (B4I1328-BLK1)				Prepared: 09/13/04		Analyzed: 09/24/04				
Mercury	ND	0.18	mg/kg							
LCS (B4I1328-BS1)				Prepared: 09/13/04		Analyzed: 09/24/04				
Mercury	0.14	0.18	mg/kg	0.167		83.8	70-130			
Matrix Spike (B4I1328-MS1)		**Source: 0409103-03**		Prepared: 09/13/04		Analyzed: 09/24/04				
Mercury	0.16	0.18	mg/kg	0.160	0.10	37.5	70-130			QM-07

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1328 - EPA 7471A										
Matrix Spike Dup (B4I1328-MSD1)		**Source: 0409103-03**		Prepared: 09/13/04		Analyzed: 09/24/04				
Mercury	0.15	0.16	mg/kg	0.152	0.10	32.9	70-130	6.45	25	QM-07
Batch B4I1330 - EPA 7471A										
Blank (B4I1330-BLK1)				Prepared: 09/13/04		Analyzed: 09/23/04				
Mercury	ND	0.18	mg/kg							
LCS (B4I1330-BS1)				Prepared: 09/13/04		Analyzed: 09/23/04				
Mercury	0.19	0.18	mg/kg	0.167		114	70-130			
Matrix Spike (B4I1330-MS1)		**Source: 0409113-17**		Prepared: 09/13/04		Analyzed: 09/23/04				
Mercury	0.24	0.16	mg/kg	0.150	0.06	120	70-130			
Matrix Spike Dup (B4I1330-MSD1)		**Source: 0409113-17**		Prepared: 09/13/04		Analyzed: 09/23/04				
Mercury	0.25	0.18	mg/kg	0.161	0.06	118	70-130	4.08	25	
Batch B4I1413 - EPA 3060A										
Blank (B4I1413-BLK1)				Prepared: 09/14/04		Analyzed: 09/16/04				
Hexavalent Chromium	ND	0.50	mg/kg							
LCS (B4I1413-BS1)				Prepared: 09/14/04		Analyzed: 09/16/04				
Hexavalent Chromium	2.99	0.50	mg/kg	2.50		120	80-120			
Matrix Spike (B4I1413-MS1)		**Source: 0409113-17**		Prepared: 09/14/04		Analyzed: 09/16/04				
Hexavalent Chromium	1.61	0.50	mg/kg	2.50	0.30	52.4	75-125			QM-01

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1413 - EPA 3060A										
Matrix Spike Dup (B4I1413-MSD1)		**Source: 0409113-17**		Prepared: 09/14/04		Analyzed: 09/16/04				
Hexavalent Chromium	1.73	0.50	mg/kg	2.50	0.30	57.2	75-125	7.19	20	QM-01
Batch B4I1435 - EPA 7470A										
Blank (B4I1435-BLK1)				Prepared: 09/14/04		Analyzed: 09/24/04				
Mercury	ND	0.0007	mg/L							
LCS (B4I1435-BS1)				Prepared: 09/14/04		Analyzed: 09/24/04				
Mercury	0.0009	0.0007	mg/L	0.00100		90.0	80-120			
Matrix Spike (B4I1435-MS1)		**Source: 0409103-01**		Prepared: 09/14/04		Analyzed: 09/24/04				
Mercury	0.001	0.0007	mg/L	0.00100	ND	100	80-120			
Matrix Spike Dup (B4I1435-MSD1)		**Source: 0409103-01**		Prepared: 09/14/04		Analyzed: 09/24/04				
Mercury	0.001	0.0007	mg/L	0.00100	ND	100	80-120	0.00	20	
Batch B4I1520 - EPA 3010A										
Blank (B4I1520-BLK1)				Prepared: 09/15/04		Analyzed: 09/17/04				
Antimony	ND	2.0	µg/L							
Arsenic	ND	2.0	"							
Barium	ND	1.0	"							
Beryllium	ND	0.040	"							
Cadmium	ND	2.0	"							
Chromium	ND	5.0	"							
Cobalt	ND	2.0	"							
Copper	ND	5.0	"							
Lead	ND	2.0	"							
Molybdenum	ND	2.0	"							
Nickel	ND	1.0	"							
Selenium	ND	2.0	"							
Silver	ND	2.0	"							
Thallium	ND	2.0	"							
Vanadium	ND	2.0	"							
Zinc	ND	10	"							

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1520 - EPA 3010A										
LCS (B4I1520-BS1)				Prepared: 09/15/04		Analyzed: 09/17/04				
Antimony	102	2.0	µg/L	100		102	80-120			
Arsenic	95.1	2.0	"	100		95.1	80-120			
Barium	107	1.0	"	100		107	80-120			
Beryllium	99.7	0.040	"	100		99.7	80-120			
Cadmium	103	2.0	"	100		103	80-120			
Chromium	104	5.0	"	100		104	80-120			
Cobalt	101	2.0	"	100		101	80-120			
Copper	99.1	5.0	"	100		99.1	80-120			
Lead	101	2.0	"	100		101	80-120			
Molybdenum	104	2.0	"	100		104	80-120			
Nickel	100	1.0	"	100		100	80-120			
Selenium	93.2	2.0	"	100		93.2	80-120			
Silver	107	2.0	"	100		107	80-120			
Thallium	107	2.0	"	100		107	80-120			
Vanadium	96.5	2.0	"	100		96.5	80-120			
Zinc	92.0	10	"	100		92.0	80-120			
Matrix Spike (B4I1520-MS1)		**Source: 0409103-01**		Prepared: 09/15/04		Analyzed: 09/17/04				
Antimony	98.0	2.0	µg/L	100	ND	98.0	75-125			
Arsenic	90.8	2.0	"	100	ND	90.8	75-125			
Barium	104	1.0	"	100	ND	104	75-125			
Beryllium	94.8	0.040	"	100	0.013	94.8	75-125			
Cadmium	97.7	2.0	"	100	ND	97.7	75-125			
Chromium	103	5.0	"	100	1.7	101	75-125			
Cobalt	99.3	2.0	"	100	ND	99.3	75-125			
Copper	96.8	5.0	"	100	ND	96.8	75-125			
Lead	98.7	2.0	"	100	ND	98.7	75-125			
Molybdenum	99.9	2.0	"	100	0.36	99.5	75-125			
Nickel	98.1	1.0	"	100	ND	98.1	75-125			
Selenium	88.1	2.0	"	100	0.071	88.0	75-125			
Silver	103	2.0	"	100	0.022	103	75-125			
Thallium	104	2.0	"	100	0.37	104	75-125			
Vanadium	86.8	2.0	"	100	ND	86.8	75-125			
Zinc	86.5	10	"	100	ND	86.5	75-125			

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1520 - EPA 3010A										
Matrix Spike Dup (B4I1520-MSD1)		**Source: 0409103-01**		Prepared: 09/15/04	Analyzed: 09/17/04					
Antimony	95.4	2.0	µg/L	100	ND	95.4	75-125	2.69	20	
Arsenic	90.2	2.0	"	100	ND	90.2	75-125	0.663	20	
Barium	102	1.0	"	100	ND	102	75-125	1.94	20	
Beryllium	91.7	0.040	"	100	0.013	91.7	75-125	3.32	20	
Cadmium	95.0	2.0	"	100	ND	95.0	75-125	2.80	20	
Chromium	102	5.0	"	100	1.7	100	75-125	0.976	20	
Cobalt	98.8	2.0	"	100	ND	98.8	75-125	0.505	20	
Copper	95.3	5.0	"	100	ND	95.3	75-125	1.56	20	
Lead	95.1	2.0	"	100	ND	95.1	75-125	3.72	20	
Molybdenum	97.5	2.0	"	100	0.36	97.1	75-125	2.43	20	
Nickel	98.0	1.0	"	100	ND	98.0	75-125	0.102	20	
Selenium	87.9	2.0	"	100	0.071	87.8	75-125	0.227	20	
Silver	101	2.0	"	100	0.022	101	75-125	1.96	20	
Thallium	101	2.0	"	100	0.37	101	75-125	2.93	20	
Vanadium	88.9	2.0	"	100	ND	88.9	75-125	2.39	20	
Zinc	86.5	10	"	100	ND	86.5	75-125	0.00	20	

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

STLC Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J2608 - EPA 3010A										
Blank (B4J2608-BLK1)				Prepared & Analyzed: 10/26/04						
Copper	ND	0.42	mg/L							
Nickel	ND	0.21	"							
LCS (B4J2608-BS1)				Prepared & Analyzed: 10/26/04						
Copper	2.19	0.42	mg/L	2.00		110	70-130			
Nickel	2.00	0.21	"	2.00		100	80-120			
Duplicate (B4J2608-DUP1)		**Source: 0409103-05**		Prepared & Analyzed: 10/26/04						
Copper	26.0	0.42	mg/L		21.8			17.6	20	
Nickel	21.4	0.21	"		14.2			40.4	20	QR-02
Matrix Spike (B4J2608-MS1)		**Source: 0409103-05**		Prepared & Analyzed: 10/26/04						
Copper	24.4	0.42	mg/L	2.00	21.8	130	75-125			QM-07
Nickel	16.4	0.21	"	2.00	14.2	110	80-120			
Matrix Spike Dup (B4J2608-MSD1)		**Source: 0409103-05**		Prepared & Analyzed: 10/26/04						
Copper	23.9	0.42	mg/L	2.00	21.8	105	75-125	2.07	20	
Nickel	16.0	0.21	"	2.00	14.2	90.0	80-120	2.47	20	

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Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:06

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1731 - EPA 3510C Sep Funnel										
Blank (B4I1731-BLK1)				Prepared: 09/16/04	Analyzed: 09/21/04					
HC < C8	ND	0.010	mg/L							
C8 <= HC < C9	ND	0.010	"							
C9 <= HC < C10	ND	0.010	"							
C10 <= HC < C11	ND	0.010	"							
C11 <= HC < C12	ND	0.010	"							
C12 <= HC < C14	ND	0.010	"							
C14 <= HC < C16	ND	0.010	"							
C16 <= HC < C18	ND	0.010	"							
C18 <= HC < C20	ND	0.010	"							
C20 <= HC < C24	ND	0.010	"							
C24 <= HC < C28	ND	0.010	"							
C28 <= HC < C32	ND	0.010	"							
HC >= C32	ND	0.010	"							
Total Petroleum Hydrocarbons (C7-C36)	ND	0.050	"							
Diesel Range Organics (C10-C24)	ND	0.050	"							
Surrogate: o-Terphenyl	*0.0540*		*"*	*0.0750*		*72.0*	*50-150*			
LCS (B4I1731-BS1)				Prepared: 09/16/04	Analyzed: 09/17/04					
Diesel Range Organics (C10-C24)	0.885	0.050	mg/L	1.00		88.5	80-120			
LCS (B4I1731-BS2)				Prepared: 09/16/04	Analyzed: 09/17/04					
Diesel Range Organics (C10-C24)	0.876	0.050	mg/L	1.00		87.6	80-120			
LCS Dup (B4I1731-BSD1)				Prepared: 09/16/04	Analyzed: 09/17/04					
Diesel Range Organics (C10-C24)	0.913	0.050	mg/L	1.00		91.3	80-120	3.11	30	
Batch B4I2028 - EPA 3550B Solid Ext										
Blank (B4I2028-BLK1)				Prepared: 09/16/04	Analyzed: 09/21/04					
HC < C8	ND	1.0	mg/kg							
C8 <= HC < C9	ND	1.0	"							
C9 <= HC < C10	ND	1.0	"							
C10 <= HC < C11	ND	1.0	"							
C11 <= HC < C12	ND	1.0	"							
C12 <= HC < C14	ND	1.0	"							
C14 <= HC < C16	ND	1.0	"							
C16 <= HC < C18	ND	1.0	"							
C18 <= HC < C20	ND	1.0	"							
C20 <= HC < C24	ND	1.0	"							

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I2028 - EPA 3550B Solid Ext										
Blank (B4I2028-BLK1)				Prepared: 09/16/04 Analyzed: 09/21/04						
C24 <= HC < C28	ND	1.0	mg/kg							
C28 <= HC < C32	ND	1.0	"							
HC >= C32	ND	1.0	"							
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"							
Surrogate: o-Terphenyl	*7.80*		"	*7.50*		*104*	*50-150*			
LCS (B4I2028-BS1)				Prepared: 09/16/04 Analyzed: 09/21/04						
Diesel Range Organics (C10-C24)	102	5.0	mg/kg	100		102	80-120			
LCS (B4I2028-BS2)				Prepared: 09/16/04 Analyzed: 09/21/04						
Diesel Range Organics (C10-C24)	96.3	5.0	mg/kg	100		96.3	80-120			
LCS Dup (B4I2028-BSD1)				Prepared: 09/16/04 Analyzed: 09/21/04						
Diesel Range Organics (C10-C24)	96.6	5.0	mg/kg	100		96.6	80-120	5.44	30	
Batch B4I2107 - EPA 3550B Solid Ext										
Blank (B4I2107-BLK1)				Prepared: 09/16/04 Analyzed: 09/21/04						
HC < C8	ND	1.0	mg/kg							
C8 <= HC < C9	ND	1.0	"							
C9 <= HC < C10	ND	1.0	"							
C10 <= HC < C11	ND	1.0	"							
C11 <= HC < C12	ND	1.0	"							
C12 <= HC < C14	ND	1.0	"							
C14 <= HC < C16	ND	1.0	"							
C16 <= HC < C18	ND	1.0	"							
C18 <= HC < C20	ND	1.0	"							
C20 <= HC < C24	ND	1.0	"							
C24 <= HC < C28	ND	1.0	"							
C28 <= HC < C32	ND	1.0	"							
HC >= C32	ND	1.0	"							
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"							
Surrogate: o-Terphenyl	*7.20*		"	*7.50*		*96.0*	*50-150*			

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SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	Reported: 11/05/04 16:06

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I2107 - EPA 3550B Solid Ext										
LCS (B4I2107-BS1)				Prepared: 09/16/04		Analyzed: 09/21/04				
Diesel Range Organics (C10-C24)	99.6	5.0	mg/kg	100		99.6	80-120			
LCS (B4I2107-BS2)				Prepared: 09/16/04		Analyzed: 09/21/04				
Diesel Range Organics (C10-C24)	103	5.0	mg/kg	100		103	80-120			
LCS Dup (B4I2107-BSD1)				Prepared: 09/16/04		Analyzed: 09/21/04				
Diesel Range Organics (C10-C24)	103	5.0	mg/kg	100		103	80-120	3.36	30	

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1406 - EPA 5030B P & T										
Blank (B4I1406-BLK1)				Prepared & Analyzed: 09/13/04						
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	"							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	1.0	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	1.0	"							
trans-1,3-Dichloropropene	ND	1.0	"							
Di-isopropyl ether	ND	1.0	"							
Ethyl tert-butyl ether	ND	1.0	"							

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1406 - EPA 5030B P & T										
Blank (B4I1406-BLK1)				Prepared & Analyzed: 09/13/04						
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							
p-Isopropyltoluene	ND	1.0	"							
Methylene chloride	ND	1.0	"							
Methyl tert-butyl ether	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
Tert-amyl methyl ether	ND	1.0	"							
Tert-butyl alcohol	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Toluene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	5.0	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	1.0	"							
Surrogate: Dibromofluoromethane	*44.5*		"	*50.0*		*89.0*	*86-118*			
Surrogate: Toluene-d8	*47.6*		"	*50.0*		*95.2*	*88-110*			
Surrogate: 4-Bromofluorobenzene	*46.8*		"	*50.0*		*93.6*	*86-115*			

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1406 - EPA 5030B P & T										
LCS (B4I1406-BS1)				Prepared & Analyzed: 09/13/04						
Benzene	45.6	1.0	µg/L	50.0		91.2	80-120			
Chlorobenzene	54.6	1.0	"	50.0		109	80-120			
1,1-Dichloroethene	41.1	1.0	"	50.0		82.2	80-120			
Toluene	48.7	1.0	"	50.0		97.4	80-120			
Trichloroethene	50.6	1.0	"	50.0		101	80-120			
Matrix Spike (B4I1406-MS1)		Source: 0409113-28		Prepared: 09/13/04		Analyzed: 09/14/04				
Benzene	45.2	1.0	µg/L	50.0	ND	90.4	37-151			
Chlorobenzene	57.1	1.0	"	50.0	ND	114	37-160			
1,1-Dichloroethene	38.9	1.0	"	50.0	ND	77.8	50-150			
Toluene	48.1	1.0	"	50.0	ND	96.2	47-150			
Trichloroethene	50.3	1.0	"	50.0	ND	101	71-157			
Matrix Spike Dup (B4I1406-MSD1)		Source: 0409113-28		Prepared: 09/13/04		Analyzed: 09/14/04				
Benzene	45.5	1.0	µg/L	50.0	ND	91.0	37-151	0.662	30	
Chlorobenzene	57.4	1.0	"	50.0	ND	115	37-160	0.524	30	
1,1-Dichloroethene	38.7	1.0	"	50.0	ND	77.4	50-150	0.515	30	
Toluene	48.2	1.0	"	50.0	ND	96.4	47-150	0.208	30	
Trichloroethene	50.1	1.0	"	50.0	ND	100	71-157	0.398	30	
Batch B4I1510 - EPA 5035 P & T										
Blank (B4I1510-BLK1)				Prepared & Analyzed: 09/10/04						
Benzene	ND	5.0	µg/kg							
Bromobenzene	ND	5.0	"							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1510 - EPA 5035 P & T										
Blank (B4I1510-BLK1)				Prepared & Analyzed: 09/10/04						
Dibromochloromethane	ND	5.0	µg/kg							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Di-isopropyl ether	ND	5.0	"							
Ethyl tert-butyl ether	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							
p-Isopropyltoluene	ND	5.0	"							
Methylene chloride	ND	5.0	"							
Methyl tert-butyl ether	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
Tert-amyl methyl ether	ND	5.0	"							
Tert-butyl alcohol	ND	25	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
Toluene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1510 - EPA 5035 P & T										
Blank (B4I1510-BLK1)				Prepared & Analyzed: 09/10/04						
1,2,4-Trichlorobenzene	ND	5.0	µg/kg							
1,1,1-Trichloroethane	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Surrogate: Dibromofluoromethane	*47.8*		"	*50.0*		*95.6*	*80-120*			
Surrogate: Toluene-d8	*47.0*		"	*50.0*		*94.0*	*81-117*			
Surrogate: 4-Bromofluorobenzene	*46.5*		"	*50.0*		*93.0*	*74-121*			
Blank (B4I1510-BLK2)				Prepared & Analyzed: 09/13/04						
Benzene	ND	5.0	µg/kg							
Bromobenzene	ND	5.0	"							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							

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Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	Reported:
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1510 - EPA 5035 P & T										
Blank (B4I1510-BLK2)				Prepared & Analyzed: 09/13/04						
1,3-Dichlorobenzene	ND	5.0	µg/kg							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Di-isopropyl ether	ND	5.0	"							
Ethyl tert-butyl ether	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							
p-Isopropyltoluene	ND	5.0	"							
Methylene chloride	ND	5.0	"							
Methyl tert-butyl ether	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
Tert-amyl methyl ether	ND	5.0	"							
Tert-butyl alcohol	ND	25	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
Toluene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SIERRA ANALYTICAL

Komex H2O Science 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683	Project: APC Project Number: H0287B Project Manager: Lee Paprocki	**Reported:** 11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1510 - EPA 5035 P & T										
Blank (B4I1510-BLK2)				Prepared & Analyzed: 09/13/04						
1,2,3-Trichloropropane	ND	5.0	µg/kg							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Surrogate: Dibromofluoromethane	*45.2*		*"*	*50.0*		*90.4*	*80-120*			
Surrogate: Toluene-d8	*47.3*		*"*	*50.0*		*94.6*	*81-117*			
Surrogate: 4-Bromofluorobenzene	*46.6*		*"*	*50.0*		*93.2*	*74-121*			
LCS (B4I1510-BS1)				Prepared & Analyzed: 09/10/04						
Benzene	46.9	5.0	µg/kg	50.0		93.8	80-120			
Chlorobenzene	54.7	5.0	"	50.0		109	80-120			
1,1-Dichloroethene	43.5	5.0	"	50.0		87.0	80-120			
Toluene	48.2	5.0	"	50.0		96.4	80-120			
Trichloroethene	50.6	5.0	"	50.0		101	80-120			
LCS (B4I1510-BS2)				Prepared & Analyzed: 09/13/04						
Benzene	45.6	5.0	µg/kg	50.0		91.2	80-120			
Chlorobenzene	54.6	5.0	"	50.0		109	80-120			
1,1-Dichloroethene	41.1	5.0	"	50.0		82.2	80-120			
Toluene	48.7	5.0	"	50.0		97.4	80-120			
Trichloroethene	50.6	5.0	"	50.0		101	80-120			
Matrix Spike (B4I1510-MS1)	**Source: 0409123-03**			Prepared: 09/10/04 Analyzed: 09/13/04						
Benzene	50.1	5.0	µg/kg	50.0	ND	100	37-151			
Chlorobenzene	62.4	5.0	"	50.0	ND	125	37-160			
1,1-Dichloroethene	44.3	5.0	"	50.0	ND	88.6	50-150			
Toluene	54.3	5.0	"	50.0	ND	109	47-150			
Trichloroethene	57.5	5.0	"	50.0	ND	115	71-157			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SIERRA ANALYTICAL

Komex H2O Science	Project: APC	
5455 Garden Grove Blvd. Suite 200	Project Number: H0287B	**Reported:**
Westminster CA, 92683	Project Manager: Lee Paprocki	11/05/04 16:06

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4I1510 - EPA 5035 P & T										
Matrix Spike (B4I1510-MS2)		**Source: 0409123-02**		Prepared: 09/13/04		Analyzed: 09/14/04				
Benzene	46.3	5.0	µg/kg	50.0	ND	92.6	37-151			
Chlorobenzene	58.4	5.0	"	50.0	ND	117	37-160			
1,1-Dichloroethene	40.1	5.0	"	50.0	ND	80.2	50-150			
Toluene	50.0	5.0	"	50.0	ND	100	47-150			
Trichloroethene	58.0	5.0	"	50.0	ND	116	71-157			
Matrix Spike Dup (B4I1510-MSD1)		**Source: 0409123-03**		Prepared: 09/10/04		Analyzed: 09/13/04				
Benzene	45.6	5.0	µg/kg	50.0	ND	91.2	37-151	9.40	30	
Chlorobenzene	56.8	5.0	"	50.0	ND	114	37-160	9.40	30	
1,1-Dichloroethene	40.2	5.0	"	50.0	ND	80.4	50-150	9.70	30	
Toluene	49.1	5.0	"	50.0	ND	98.2	47-150	10.1	30	
Trichloroethene	50.3	5.0	"	50.0	ND	101	71-157	13.4	30	
Matrix Spike Dup (B4I1510-MSD2)		**Source: 0409123-02**		Prepared: 09/13/04		Analyzed: 09/14/04				
Benzene	47.7	5.0	µg/kg	50.0	ND	95.4	37-151	2.98	30	
Chlorobenzene	61.2	5.0	"	50.0	ND	122	37-160	4.68	30	
1,1-Dichloroethene	41.6	5.0	"	50.0	ND	83.2	50-150	3.67	30	
Toluene	51.1	5.0	"	50.0	ND	102	47-150	2.18	30	
Trichloroethene	52.1	5.0	"	50.0	ND	104	71-157	10.7	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Notes and Definitions

H-01	Sample received without sufficient time to complete analysis within recommended holding time.
QM-01	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-HA	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to high analyte concentration.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
S-03	Surrogate diluted out.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Project Addendum / Change Order

Sierra Project Number : 0409113

Sierra Project manager : Andrew

Client Name : Komex

Turn Around Time : Normal

Client Project ID : APC- H0287B

Sample Location : —

Sierra Sample No.	Matrix	Addendum / Change to be performed
07	Soil	STLC - Copper & Nickel

Addendum / Change Order Taken By :

Andrew Kim

Signature

11/01/04 10:00

Date Time

Addendum / Change Order Requested By:

Lee Paprocki

Printed Name

Requested Via : email

FAX Letter Phone In Person

Project Addendum / Change Order

Sierra Project Number : 0409113

Sierra Project manager :

Client Name : Komoso

Turn Around Time : Norm

Client Project ID : APC

Sample Location : B15

Sierra Sample No.	Matrix	Addendum / Change to be performed
05	SOIL	ANALYZE FOR CHLORIDE

Addendum / Change Order Taken By :

Signature

11/2/04 11:00

Date Time

Addendum / Change Order Requested By:

LEE PAPROCKI

Printed Name

Requested Via :

FAX Letter Phone In Person

SIERRA ANALYTICAL
TEL: 949•348•9389
FAX: 949•348•9115
26052 Merit Circle • Suite 105 • Laguna Hills, CA • 92653

CHAIN OF CUSTODY RECORD

Date: 9/8/04 Page 1 of 4

Lab Work Order No.: 0409113

Client: Komex
Client Address: 5455 Garden Grove Blvd, Suite 200 Westminster, CA 92683
Client Tel. No: 714-379-1157
Client Fax No.: 714-379-1160
Client Proj. Mgr.: Lee Paprocki

Client Project ID: H0297B / APC

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☒ Normal ☐ Mobile

Analysis Requested

Geotracker EDD Info:
Client LOGCODE
Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	TPHg 8015M - Carbon Range	VOCs 8260B full	335.2 Cyanide	7199 Hex Chromium	6020 Metals	7471 Mercury	pH 9040B						Field Point Names / Comments
B-5-90804-1-1	01	9/8/04	8:40	S	none	sleeve	1			X	X	X	X							
B-5-90804-2-4	02		8:50				1			X	X	X	X							
B5-90804-3-7	03		9:05				1			X	X	X	X							
B6-90804-1-1	04		9:15				1			X	X	X	X							
B6-90804-2-4	05		9:20				1			X	X	X	X							
B6-90804-3-7	06		9:30				1			X	X	X	X							
B2-90804-1-1	07		9:40				1			X	X	X	X							
B2-90804-2-4	08		9:50				1			X	X	X	X							
B2-90804-3-7	09		10:00				1			X	X	X	X							
B3-90804-1-1	10		1:40				1			X	X	X	X							

1 Sampler Signature: Lee Paprocki
Printed Name: Lee Paprocki
Shipped Via: SIERRA
(Carrier/Waybill No.)

2 Relinquished By: Lee Paprocki Date: 9/8/04
Company: Komex Time:
Received By: [signature] Date: 9/9/04
Company: SIERRA Time: 8:02

3 Relinquished By: Date:
Company: Time:
Received By: Date:
Company: Time:

4 Relinquished By: Date:
Company: Time:
Received By: Date:
Company: Time:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☒ Lab Disposal*
☐ Archive ____ mos.
☐ Other ____

Special Instructions:
please sample the encores for TPH + VOCs + the soil sleeves for metals, cyanide + pH

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☒ Intact ☒ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☒ Properly Labeled ☐ Other R3A R1B5
☒ Appropriate Sample Container ☒ Storage Location B-15 Freezer

Rev: 11 02

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

SIERRA ANALYTICAL
TEL: 949 • 348 • 9389
FAX: 949 • 348 • 9115
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CHAIN OF CUSTODY RECORD

Date: 9/8/04 Page 2 of 4

Lab Work Order No.:

Client: Komex
Client Address: 5455 Garden Grove Blvd
Suite 200
Westminster, CA 92683

Client Tel. No: 714-379-1157
Client Fax No.: 714-379-1160
Client Proj. Mgr.: Lee Paprocki

Client Project ID: H0287 / APC

Turn Around Time Requested:
- ☐ Immediate
- ☐ 24 Hour
- ☐ 48 Hour
- ☐ 72 Hour
- ☐ 4 Day
- ☐ 5 Day
- ☒ Normal
- ☐ Mobile

Analysis Requested

Geotracker EDD Info:
Client LOGCODE
Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	TPHg 8015M - carbon range ID	VOCs full 8260B	335.2 Cyanide	7194 Hex Chromium	6020 metals	7471 Mercury	pH 9040B						Field Point Names / Comments
B27-90804-3-7	11	9/8/04	3:50	S		encores + sleeve	3+1	X	X	X	X	X	X	X						
B26-90804-1-1	12		3:00					X	X	X	X	X	X	X						
B26-90804-2-4	13		3:10					X	X	X	X	X	X	X						
B26-90804-3-7	14		3:20					X	X	X	X	X	X	X						
B25-90804-1-1	15		2:30					X	X	X	X	X	X	X						
B25-90804-2-4	16		2:40					X	X	X	X	X	X	X						
B25-90804-3-7	17		2:50					X	X	X	X	X	X	X						
B24-90804-1-1	18		2:00					X	X	X	X	X	X	X						
B24-90804-2-4	19		2:10					X	X	X	X	X	X	X						
B24-90804-3-7	20		2:20					X	X	X	X	X	X	X						

1 Sampler Signature: Lee Paprocki		Shipped Via: SIERRA	
Printed Name: Lee Paprocki		(Carrier/Waybill No.)	
2 Relinquished By: Lee Paprocki	Date: 9/8/04	Received By: [illegible]	Date: 9/9/04
Company: Komex	Time:	Company: SIERRA	Time: 8:00
3 Relinquished By:	Date:	Received By:	Date:
Company:	Time:	Company:	Time:
4 Relinquished By:	Date:	Received By:	Date:
Company:	Time:	Company:	Time:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Sample Disposal:
- ☐ Return to Client
- ☒ Lab Disposal*
- ☐ Archive _____ mos.
- ☐ Other _____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
- ☐ Intact
- ☐ Sample Seals
- ☐ Properly Labeled
- ☐ Appropriate Sample Container
- ☐ Chilled - Temp (°C)
- ☐ Preservatives - Verified By
- ☐ Other
- ☐ Storage Location

Rev: 11 02

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

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CHAIN OF CUSTODY RECORD

Date: 9/8/04 Page 3 of 4

Lab Work Order No.: _____

Client: Komex
Client Address: 5455 Garden Grove Blvd, Suite 200 Westminster, CA 92683
Client Tel. No: 714-379-1157
Client Fax No.: 714-379-1160
Client Proj. Mgr.: Lee Paprocki

Client Project ID: H0287 / MPC

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☒ Normal ☐ Mobile

Analysis Requested

Geotracker EDD Info: _____ Client LOGCODE _____ Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	TPH g 8015M (carbon range)	VOCs full 8260B	335.2 Cyanide	7199 Hex Chromium	6020 Metals	7471 Mercury	pH 9040B						Field Point Names / Comments
B23-090804-1-1	21	9/8/04	1:30	S		encores + sleeves	3+1	X	X	X	X	X	X	X						
B23-090804-2-4	22		1:40	S		encores + sleeves	3+1	X	X	X	X	X	X	X						
B23-090804-3-7	23		1:50	S		encores + sleeves	3+1	X	X	X	X	X	X	X						
B20-090804-1-1	24		10:10	S		encores + sleeves	3+1	X	X	X	X	X	X	X						
B20-090804-2-4	25		10:20	S		encores + sleeves	3+1	X	X	X	X	X	X	X						
B20-090804-3-7	26		10:30	S		encores + sleeves	3+1	X	X	X	X	X	X	X						
QCFB-090804	27		4:45	W		mixed	6	X	X	X	X	X	X							
QCEB-090804	28		4:40	W		mixed	6	X	X	X	X	X	X							

1 Sampler Signature: Lee Paprocki
Printed Name: Lee Paprocki
Shipped Via: SIERRA
(Carrier/Waybill No.)

Total Number of Containers Submitted to Laboratory

2 Relinquished By: Lee Paprocki Date: 9/8/04
Company: Komex Time:
Received By: [signature] Date: 9-9-04
Company: SIERRA Time: 8:01

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Sample Disposal:
☐ Return to Client
☒ Lab Disposal*
☐ Archive _____ mos.
☐ Other _____

3 Relinquished By: Date:
Company: Time:
Received By: Date:
Company: Time:

Total Number of Containers Received by Laboratory

4 Relinquished By: Date:
Company: Time:
Received By: Date:
Company: Time:

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☐ Intact ☐ Chilled - Temp (°C) _____
☐ Sample Seals ☐ Preservatives - Verified By _____
☐ Properly Labeled ☐ Other _____
☐ Appropriate Sample Container ☐ Storage Location _____

Special Instructions:
please just dispose of B-21-090804-1-1
" " 2-4 Sleeves - no analysis
" " 3-7

Rev: 11 02

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

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CHAIN OF CUSTODY RECORD

Date: 9/8/04 Page 4 of 4

Lab Work Order No.:

Client: Komex
Client Address: 5455 Garden Grove Blvd, Suite 200 Westminster, CA 92683
Client Tel. No: 714-379-1157
Client Fax No.: 714-379-1160
Client Proj. Mgr.: Lee Paprocki

Client Project ID: H02871 APC

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☑ Normal ☐ Mobile

Analysis Requested

Geotracker EDD Info:
Client LOGCODE
Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	TPH g 8015M carbon range	VOCs full 8260B	335.2 Cyanide	7199 Hex Chromium	6020 Metals	7471 Mercury	pH 9040B						Field Point Names / Comments
B3-90804-2-4	29	9/8/04	11:50	S		sleeve	1			X	X	X	X							
B3-90804-3-7	30		12:00				1			X	X	X	X							
B10-90804-1-1	31		10:40				1			X	X	X	X							
B10-90804-2-4	32		10:50				1			X	X	X	X							
B10-90804-3-7	33		11:00				1			X	X	X	X							
B22-90804-1-1	34		11:10			4 cores + sleeve	3+1	X	X	X	X	X	X	X						
B22-90804-2-4	35		11:20					X	X	X	X	X	X	X						
B22-90804-3-7	36		11:30					X	X	X	X	X	X	X						
B27-90804-1-1	37		3:30					X	X	X	X	X	X	X						
B27-90804-2-4	38		3:40					X	X	X	X	X	X	X						

1 Sampler Signature: Lee Paprocki
Printed Name: Lee Paprocki
Shipped Via:
(Carrier/Waybill No.)

114 — Total Number of Containers Submitted to Laboratory including 3 to be disposed of.

2 Relinquished By: Lee Paprocki Date: 9/8/04 Received By: [signature] Date: 9-9-04
Company: Lee Paprocki Time: Company: SIERRA Time: 8:00

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Sample Disposal:
☐ Return to Client
☑ Lab Disposal*
☐ Archive _____ mos.
☐ Other _____

3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Total Number of Containers Received by Laboratory

4 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Special Instructions:

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☐ Intact ☐ Chilled - Temp (°C)
☐ Sample Seals ☐ Preservatives - Verified By
☐ Properly Labeled ☐ Other
☐ Appropriate Sample Containers ☐ Storage Location

Rev: 11 02

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy