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Isola Law Group, LLP

Supplemental Soil Investigation Report

Former CENCO Refinery
12345 Lakeland Road
Santa Fe Springs, California

June 2009

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Supplemental Soil Investigation Report

Former CENCO Refinery
Santa Fe Springs, California

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1. Introduction

ARCADIS has prepared this *Supplemental Soil Investigation Report* on behalf of Isola Law Group, LLP. This report describes the soil investigation activities conducted between November 26, 2007, and February 5, 2008, and between January 19 and 22, 2009, at the former CENCO refinery (the Site) located at 12345 Lakeland Road in Santa Fe Springs, California (Figure 1). A detailed map of the Site showing existing surface structures is presented as Figure 2.

The soil investigation was conducted in accordance with the *Supplemental Soil Investigation Workplan* (Work Plan; ARCADIS BBL, 2007a)[1] to address data gaps identified in the *Additional Site Investigation Report* (Blasland, Bouck & Lee, Inc. [BBL], 2006). The Los Angeles Regional Water Quality Control Board (LARWQCB) (2007) requested an investigation of deep soil and soil beneath refinery structures (Appendix A). Additionally, site-wide sampling of surface soil (upper 2 feet) was also proposed in the Work Plan. Analytical data collected from the sampling of surface soil will be utilized for a health-based risk assessment and will allow for the identification of areas of impact that may be encountered during soil moving or grading activities.

The soil investigation was performed in three subsurface zones at the Site: (1) surface (ground surface to approximately 2 feet below ground surface [bgs]), (2) shallow (2 to approximately 20 feet bgs), and (3) deep (20 to approximately 90 feet bgs, the approximate depth to groundwater). The surface and shallow soil investigations focused on closing data gaps for site redevelopment and potential impact to human health. Deep soil was investigated primarily to target areas with known historical accidental hydrocarbon/volatile organic compound (VOC) releases. Under-structure soil sampling, to a depth of approximately 40 feet bgs, was also conducted as part of this investigation.

The first portion of site investigation activities (2007/2008) was conducted during ongoing dismantling and demolition activities. At that time, only the East Tank Farm, located in the southeastern portion of the Site, was cleared of surface structures, while most aboveground storage tanks (ASTs) in the West Tank Farm and processing units remained in place. The second round of soil sampling (2009) occurred following the conclusion of demolition activities in the aforementioned areas, allowing the collection of soil samples beneath the dismantled refinery structures.

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[1]and its subsequent revision (ARCADIS, 2008), both as approved by the California Regional Water Quality Control Board, Los Angeles Region (LARWQCB, 2008a,b)

2. Investigation Objectives

As discussed further in Section 5, previous environmental investigations conducted at the Site indicated that historical refinery operations and use of equipment (ASTs and processing units) resulted in releases of constituents of concern (COCs) to surface and subsurface soils, and subsequently to groundwater. The main goals of this investigation were to:

- Assess the nature and extent of site-related COC impacts to soil between the ground surface and 2 feet bgs
- Conduct an investigation under refinery structures to characterize soil beneath ASTs and process units;
- Further delineate the vertical and lateral extent of COC plumes identified in the *Additional Site Investigation Report* (BBL, 2006)
- Collect sufficient data for the assessment of potential human health risks to on- and off-site human receptors due to potential exposure to site-related COCs
- Obtain sufficient data for the evaluation of existing and potential threats to groundwater quality
- Resolve data gaps to better define areas of impact in shallow and deep soil for designing an effective and efficient remediation program

3. Background

3.1 Site Description

The Site is approximately 55 acres and is located at 12345 Lakeland Road in Santa Fe Springs, California. The Site is bordered to the north by Florence Avenue, to the south by Lakeland Road, and to the east by Bloomfield Avenue. Commercial/light industrial properties border the Site to the west. Property to the south and west of the Site is within the city of Norwalk, and other property to the south of the Site is situated on State lands (Metropolitan State Hospital). The Site is located within an industrial/commercial area, which is bordered by a residential neighborhood to the west. The locations of the Site and surrounding properties are shown on Figure 1.

The refinery is not operating; however, many of the structures related to the former oil refinery operations remain on-site. These structures are scheduled to be or have been removed from the Site prior to the redevelopment of the property for commercial/light industrial use.

The property owner has tentatively divided the Site into four areas, as shown on Figure 2. These areas represent how the Site may be subdivided for future redevelopment. Site remediation and redevelopment will most likely be completed in phases, one area at a time.

3.2 Operational History

The Site was historically operated by various entities, including the Bell View Oil Syndicate (Bell View), Rothschild Oil Company (Rothschild), Powerine, Mr. Oscar Schmidt, Castle Energy Corporation (Castle), Energy Merchant Corporation (EMC), and CENCO. Information regarding site ownership and on-site operations was obtained from the January 28, 2000 *Revised Master Work Plan,* prepared by Versar, Inc. (Versar, 2000).

A review of aerial photographs dated 1928 and 1938 indicates that the western portion of the Site may have historically been used for agricultural purposes. Prior to construction of the refinery, the Site was an oil field consisting of crude oil production wells and unlined sumps. In 1936, Rothschild purchased the refinery from Bell View. Rothschild owned and operated the Powerine Refinery at the Site from 1936 to 1984, when Powerine went into bankruptcy and ceased operations. In 1986, the refinery emerged from bankruptcy under new ownership by Mr. Oscar Schmidt. Mr. Schmidt

restarted the refinery and continued operations until 1992, when it was shut down again due to financial hardships. In 1993, Castle purchased Powerine and operated the refinery until 1995, when refinery operations were suspended. In 1996, EMC purchased Powerine. In August 1998, CENCO purchased the assets and liabilities of Powerine.

The Site has three former main refinery operational areas identified as the East Tank Farm, the Processing Area, and the West Tank Farm. Each of these areas and associated structures is shown in Figure 2. The East Tank Farm is located in the southeastern portion of the Site. This area contains several ASTs and a stormwater impounding basin in the southeast corner of the Site. The ASTs were used to store various petroleum products, including crude oil, gasoline, jet fuel and intermediate refined products, propane, isobutene, and butane. The Processing Area is located in the central and northern portions of the Site. The Processing Area contains an administration building, a maintenance office, a laboratory, and processing equipment including crude units, a fluid catalytic cracking unit, an alkylation unit, a coker unit, a sulfur plant, a hydrogen plant, a hydrocracker, various hydrotreating units, and a gasoline blending facility. In addition, the Processing Area contains an underground pipeline that transported fuels to a former AST area on a property located adjacent to the southeast of the Site. The West Tank Farm is located along the western boundary of the Site and contains several ASTs. The ASTs were used to store wastewater, vacuum residuum, gas oil, and other fuel products.

Previous refining operations included processing crude oil into several grades of fuel including kerosene, leaded gasoline and aviation fuel, unleaded gasoline, jet fuel, high- and low-sulfur diesel, fuel oil, and petroleum coke. The refinery also produced non-fuel byproducts for sale, including sulfur and carbon dioxide. Additionally, the refinery produced refinery gas and hydrogen for internal refinery consumption.

In general, COCs at the Site include petroleum hydrocarbons as various mixtures, VOCs, polycyclic aromatic hydrocarbons (PAHs), and petroleum product additives and processing chemicals (including metals and other VOCs). Polychlorinated biphenyls (PCBs) are also COCs as on-site electrical equipment may have contained fluids with these compounds.

4. Geology and Hydrogeology

Regional and site-specific geology and hydrogeology are discussed in the following sections. Information on geology and hydrogeology was obtained from historical site investigations as well as the investigations conducted by ARCADIS.

4.1 Regional Geology

The Site is located within the Santa Fe Springs Plain Subgeomorphic Province of the Los Angeles Coastal Plain at an elevation of approximately 130 to 140 feet above mean sea level (amsl). This plain is a slightly rolling topographic feature sloping gently to the northeast in the vicinity of the Site due to the northwest trending Santa Fe Springs–Coyote Hills anticlinal system. The Site is positioned above the southern limb of the Santa Fe Springs Anticline. Petroleum accumulation associated with this anticlinal structure has resulted in substantial oil production in the Santa Fe Springs area. Prominent topographic features in the area include the Puente and Coyote Hills to the northeast, east, and southeast. The San Gabriel River is located approximately 1.75 miles west of the Site and flows from north-northeast to south-southwest (Haley & Aldrich, Inc. [Haley & Aldrich], 2005; Versar, 2000).

The Los Angeles Coastal Plain area is a large structural basin that has accumulated thousands of feet of sediments since Miocene time and has been tectonically active. The Los Angeles Coastal Plain generally consists of alluvial materials deposited by the Los Angeles, San Gabriel, and Santa Ana Rivers. The Santa Fe Springs Plain is comprised of the Upper Pleistocene–age Lakewood Formation (California Division of Mines and Geology, 1999). The Lakewood Formation and the underlying San Pedro Formation are folded over the anticlinal dome structure (Haley & Aldrich, 2005; Versar, 2000).

4.2 Local Geology

In the site vicinity, the Santa Fe Springs Plain consists of the late Pleistocene alluvium of the Lakewood Formation. The Lakewood Formation unconformably overlies the lower Pleistocene San Pedro Formation and the Pliocene Pico Formation. The Lakewood Formation consists of interbedded clays, silts, silty sands, and sands representative of stream-type alluvial and floodplain deposits (Versar, 2000). Both previous (Haley & Aldrich, 2005) and the current subsurface investigations conducted at the site confirm that the lithology is a vertically and laterally heterogeneous mélange of such alluvial deposits. Underlying a surficial veneer of fill and roadbase materials at

the Site are interbedded alluvial sediments ranging in texture from poorly graded sands through fat clays. In general, the eastern portion of the Site contains more coarser-grained sediments (sand and gravel) than the western portion of the Site. Boring logs from the site investigation are included in Appendix B.

4.3 Regional Hydrogeology

Several regional water-bearing units have been identified within the older alluvial fan and valley deposits of the Lakewood Formation and underlying San Pedro Formation. In the site area, the Lakewood Formation begins at ground surface, ranges from 100 to 180 feet thick, and is composed of three hydrostratigraphic units: 1) the Bellflower Aquiclude (upper unit), 2) the Exposition Aquifer, and 3) the Gage Aquifer. The Exposition and Gage aquifers consist predominantly of sands and fine gravels with discontinuous, thinly bedded silts and clays. These aquifers have an approximate combined thickness of 100 to 150 feet, approximately half of which is saturated (Versar, 2000).

Within the site vicinity, the Bellflower Aquiclude consists of a heterogeneous mixture of clays, silty clays, silts, and extensive interbedded lenses of sandy or gravelly silts and clays and has an estimated thickness between 20 and 40 feet. The major water-bearing unit of interest for this investigation is the Exposition Aquifer (otherwise known as the Artesia Aquifer), the upper water bearing unit of the Lakewood Formation. The Exposition Aquifer is composed of coarse gravel, coarse to fine sand, and interbedded silts and clays with a general southwesterly dip and thickness between 40 and 80 feet. The Exposition Aquifer is separated from the Gage Aquifer by an unnamed aquiclude. Information for the site area in Santa Fe Springs indicates that the depth to first-encountered groundwater within the Exposition Aquifer ranges from 75 to 90 feet bgs. The Gage Aquifer consists predominantly of sands and fine gravels with an estimated thickness between 30 and 50 feet (Department of Water Resources [DWR], 1961; Haley & Aldrich, 2005; Versar, 2000).

Based on available information, the Site is located at the southern end of the Montebello Forebay Area of the Central Groundwater Basin situated within the Downey Plain. The primary water-producing aquifers for the Central Basin Pressure Area are the Silverado and Sunnyside Aquifers within the San Pedro Formation at depths greater than 165 feet bgs (DWR, 1961; 2001).

4.4 Local Hydrogeology

In January 2009, first-encountered groundwater was present beneath the Site at elevations ranging between approximately 36 and 52 feet amsl (approximately 90 to 95 feet bgs). Groundwater flow was to the southwest under an average horizontal hydraulic gradient of 0.008 feet per foot (ARCADIS, 2009).

Aquifer testing performed at the Site by IT Corporation (IT, 1986) resulted in calculated transmissivities between 124 and 13,613 gallons per day per foot within shallow groundwater. IT interpreted the results as an indication of a highly heterogeneous water-bearing zone containing significant boundary effects.

Local public and municipal production wells were researched by Haley & Aldrich (2005). According to hydrogeologic records available at the Los Angeles County Department of Public Works, three municipal wells are located within 1 mile of the Site. Information obtained for these wells is provided below:

- Well No. 1627C had a reported depth to groundwater of 91.0 feet bgs on April 17, [redacted] FX-9: Wells [redacted] Well No. 1627C is owned by Metropolitan State Hospital and was described as covered and not in use.

- Well No. 1637A is [redacted] FX-9: Wells [redacted]

- Well No. 1628J, an active municipal monitoring well, had a reported depth to groundwater of 60.3 feet bgs on March 22, 2004. [redacted] FX-9: Wells [redacted]

According to DWR (2001), two municipal supply wells are operated within and by the City of Santa Fe Springs at locations further than 1 mile from the Site:

- Well 03S/11W-20R09S, located approximately 3.7 miles south-southeast of the Site, generated approximately 1,526 acre-feet of groundwater from July 1, 2000, through June 30, 2001.

- Well 02S/11W-30R03S, located approximately 2.9 miles north of the Site, generated approximately 1,878 acre-feet of groundwater during that same period.

5. Previous Soil Investigations

BBL (2006) conducted a soil investigation between November 8, 2005, and February 8, 2006, in accordance with the *Additional Site Investigation Work Plan* (Haley & Aldrich, 2005) as approved by LARWQCB (2005). The BBL investigation focused primarily on shallow soil (from ground surface to approximately 20 feet bgs). Although other historical investigations were conducted prior to that (IT, 1985; Versar, 2000), the BBL investigation was used in determining the current scope of work, as it was conducted most recently and consisted of collecting sample data evenly distributed across the Site.

A total of 220 soil borings were advanced at the Site along an approximate 100- by 100-foot grid in the BBL investigation. Soil samples were collected at depths of 2, 5, 10, 15, 20, 30, 40, and 50 feet bgs. Initially, all 2-, 5-, and 10-foot-bgs samples were analyzed for VOCs, PAHs, and total petroleum hydrocarbon (TPH) carbon chain speciation. Metals, PCBs, organochlorine pesticides (OCPs), pH, and hexavalent chromium were analyzed on selected 2- and 5-foot-bgs samples. Deeper samples were selected for analysis based on recommendations by LARWQCB due to concentrations exceeding regulatory screening levels. BBL soil investigation analytical results are tabulated in Appendix C.

The soil chemical concentration data collected during the BBL investigation were evaluated against regulatory limits to delineate the extent of the subsurface impacts. Applicable regulatory screening values from various guidance documents were reviewed. These screening criteria are chemical-specific and were developed by regulatory agencies to protect human health and the environment. BBL (2006) selected the lowest of the screening criteria between the various references for the site-specific cleanup screening levels (CSLs). These CSLs were used to identify areas at the Site requiring remediation. COCs exceeding the CSLs included various VOCs, PAHs, TPH, metals, and PCBs. OCP and hexavalent chromium concentrations did not exceed the CSLs. For the surface and shallow zones (0 to 20 feet bgs), BBL (2006) estimated the total soil volume requiring remediation to be on the order of 725,000 tons.

In conjunction with the site-wide soil investigation discussed above, an active soil-gas survey was conducted at 221 locations across the Site. Semi-permanent soil-gas probes were installed at depths of 5 and 10 feet bgs using a direct-push drilling rig. One round of soil-gas samples were collected at each depth and analyzed for VOCs in an on-site mobile laboratory. Analytical results of the soil-gas survey and soil-gas

isoconcentration contours are located in the *Additional Site Investigation Report* (BBL, 2006).

6. Site Investigation Activities

6.1 Health and Safety

Field activities were conducted in accordance with a site-specific Health and Safety Plan (HASP; ARCADIS BBL, 2007b) prepared pursuant to the Code of Federal Regulations, Title 29, Section 1910.120. The HASP identified and described potentially hazardous substances that could have been encountered during field operations, personal protective equipment and clothing for site activities, and measures that needed to be implemented in the event of an emergency. ARCADIS field personnel reviewed the HASP prior to commencing fieldwork. Prior to initiation of field activities each day, a site safety briefing was conducted to identify potential physical and chemical hazards and measures to be taken in the event of an emergency. All on-site personnel were required to sign the site safety briefing form. For the health and safety of on-site personnel, a RAE Systems MultiRae instrument was used to monitor methane, oxygen, hydrogen sulfide, and organic vapors within the breathing zone.

6.2 Pre-Field Activities

Besides the preparation of the site-specific HASP, several pre-field activities were implemented. The proposed investigation locations within the Site facility were located and marked. Underground Services Alert was contacted a minimum of 48 hours prior to subsurface activities to mark underground utilities. Additionally, geophysical utility clearance of the proposed investigation locations was conducted. Utility clearance consisted of a visual inspection of the area for overhead and underground utilities, electromagnetic (EM) pipe and cable location scans, EM induction metal detection, and ground penetrating radar surveys. Utilities detected during the clearance activities were marked in the field. ARCADIS coordinated with LARWQCB, City of Santa Fe Springs Public Works, City of Santa Fe Springs Fire Department, and facilities personnel to discuss the scope of work and methodology prior to initiation of subsurface activities. Each soil sampling location was surveyed using a Trimble hand-held Global Positioning System.

6.3 Soil Investigation

6.3.1 Surface Soil

The surface soil investigation was conducted at a total of 294 locations across the Site. During this investigation, all soil borings were advanced using a manual slide hammer

to a maximum depth of 2 feet bgs in accordance with the applicable Standard Operating Procedures (SOPs) included in Appendix D. The locations of the soil borings are illustrated in Figure 3.

The purpose of the surface soil investigation was to assess the nature and map the extent of soil impacts in the upper 2 feet at the Site. First, a grid based on 70-foot centers was created across the entire Site. Second, sampling locations were selectively placed in the grid pattern based on the results of previous investigations and operations at the Site, existing site conditions, and requirements to complete a health-based risk assessment. Surface soil samples were collected at a depth interval of approximately 0 to 6 inches bgs at 294 locations. A number of deeper soil samples (between 1 foot and 2 feet bgs) were collected at 73 of these locations that exhibited elevated photoionization detector (PID) measurements and/or staining. The surface soil sampling plan was divided into three subcategories:

- Regular Grid Sampling. A total of 217 locations were sampled in an approximately 70- by 70-foot grid in areas already known to have been impacted (soil plumes identified through evaluation of data in the previous BBL [2006] investigation and in areas known to have had releases of petroleum hydrocarbons in the past). A total of 204 surface soil samples were collected at a depth of approximately 0 to 6 inches bgs. In addition, a number of deeper near-surface soil samples, between 1 foot and 2 feet bgs, were collected at approximately 30 percent of the locations.

- Biased Sampling. In areas outside of the delineated soil plumes, a total of 50 biased locations were sampled based on results from previous investigations and field observations (i.e. soil staining). The 50 surface samples were collected at a depth of approximately 0 to 6 inches bgs, and approximately 30 percent of these locations were deeper surface soil samples collected between 1 foot and 2 feet bgs.

- Random Sampling. Additional surface soil samples were collected from locations selected randomly from within and outside of the delineated soil plumes at a frequency of approximately 10 percent of the total number of locations indicated for the regular grid and biased sampling subcategories, amounting to 30 locations. Samples were collected from 0 to 6 inches bgs, with approximately 30 percent of the locations being deeper soil samples collected between 1 foot and 2 feet bgs.

6.3.2 Deep Soil

A total of 20 soil borings were advanced to groundwater (approximately 90 feet bgs) using hollow-stem auger (HSA) drilling techniques. The first 5 feet were advanced using a manual slide hammer for utility clearance purposes. Deep soil sampling locations were determined based on previous investigation results, which indicated COC plumes with the potential for elevated impacts at depth. Samples were collected using a split-spoon or Macrocore sampler in accordance with the SOPs included in Appendix D. The deep soil borings were intended to assess the vertical and lateral extent of COC plumes identified in the *Additional Site Investigation Report* (BBL, 2006). A total of 10 samples per boring were analyzed for the 90-foot bgs borings at approximate[2] depths of 5, 10, 20, 30, 40, 50, 60, 70, 80, and 90 feet bgs. Deep soil sampling locations are illustrated in Figure 4.

6.3.3 Soil Under Structures

The investigation under refinery structures was conducted in stages with the intent to characterize soil beneath ASTs and process units as they were dismantled. The first 5 feet were advanced using a manual slide hammer for utility clearance purposes. An HSA drilling rig was used to advance 76 soil borings, of which 56 were completed to a depth of approximately 40 feet bgs and 20 were completed to groundwater (approximately 90 feet bgs). Most of the proposed borings were advanced in January and February 2008, while the rest were drilled in January 2009. Samples were collected using a split-spoon or Macrocore sampler in accordance with the SOPs included in Appendix D. A total of 5 samples per boring were analyzed for the 40-foot bgs borings at approximate depths of 5, 10, 20, 30, and 40 feet bgs. A total of 10 samples per boring were analyzed for the 90-foot bgs borings at approximate depths of 5, 10, 20, 30, 40, 50, 60, 70, 80, and 90 feet bgs. In addition to the aforementioned sampling locations, soil samples were collected between 0 and 2 feet bgs at 3 borings located at the former tetraethyl lead storage building following its demolition in April 2008. Figure 5 shows under-structure soil sampling locations.

6.4 Soil Sampling and Analysis

Field procedures for boring advancement, sample collection and preservation, Unified Soil Classification System (USCS) logging of soils, and field documentation are

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[2]Because of variations in split-spoon or Macrocore sample recoveries, most sample depths discussed in this report are approximations. Refer to the boring logs provided in Appendix B for exact sample intervals.

discussed in detail in the Soil Boring Installation, Soil Sampling, and Borehole Abandonment SOP. Detailed equipment decontamination procedures are provided in the Heavy Equipment Decontamination SOP and Field Sampling Equipment Decontamination SOP. Storage, handling, profiling, and transportation and disposal of wastes derived from the soil investigation are discussed in the Investigative-Derived Waste Management SOP. These SOPs are included in Appendix D.

Soil was collected in stainless steel sample sleeves, with the ends sealed by Teflon liners and plastic caps for PAH, TPH, and potential metals, PCB, OCP, and hexavalent chromium analysis, and in pre-preserved, pre-measured volatile organic analysis vials (U.S. Environmental Protection Agency [USEPA] Method 5035 preparation) for VOC analysis. Samples were analyzed as described in the following sections. A list of analytical methods performed at all soil sampling locations is presented in Tables 1 and 2. Chemical-specific laboratory reporting goals were identified based on a comparison of laboratory method detection limits (MDLs) and regulatory screening values (Appendix E). These laboratory reporting goals were submitted to the laboratory prior to project initiation. All laboratory data were reported in a Level III data package on a standard turnaround time, and Geotracker Electronic Data Format files were requested for all data.

Investigative-derived wastes were collected in Department of Transportation-approved roll-off bins and were stored at the Site pending waste profiling. One sample was collected for waste profiling purposes and was analyzed for VOCs, TPH carbon chain C_6 to C_{36} (TPH-CC), California Code of Regulations (CCR) Title 22 metals, and PCBs. Following profiling, the waste was transported off site and properly disposed of.

6.4.1 Surface Soil

As shown on Table 1, all 359 surface soil samples were analyzed for:

- VOCs by USEPA Method 8260B/5035 preparation,
- PAHs by USEPA Method 8270C-SIM,
- TPH-CC by USEPA Method 8015 Modified, and
- CCR Title 22 Metals by USEPA Methods 6010B/7071A/7470A.

In addition to the above analyses, selected surface soil samples were analyzed for one or more of the following:

- PCBs by USEPA Method 8082 (near electrical transformers),
- OCPs by USEPA Method 8081A (near suspected former agricultural areas),
- Hexavalent chromium by USEPA Method 7199 (near cooling towers), and
- Toxicity Characteristic Leaching Procedure (TCLP) by USEPA Method 1311 and subsequent analysis for COCs[3] detected at elevated concentrations (10 percent of samples in impacted areas).

6.4.2 Deep Soil

As shown on Table 2, all 140 deep soil samples were analyzed for:

- VOCs by USEPA Method 8260B/5035 preparation,
- PAHs by USEPA Method 8270C-SIM, and
- TPH-CC by USEPA Method 8015 Modified.

In addition to the above analyses, selected 5-foot-bgs samples were analyzed for one or more of the following:

- CCR Title 22 Metals by USEPA Methods 6010B/7071A/7470A (10 percent frequency),
- PCBs by USEPA Method 8082 (near electrical transformers),
- OCPs by USEPA Method 8081A (near suspected former agricultural areas), and
- Hexavalent chromium by USEPA Method 7199 (near cooling towers).

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[3]If PAHs were noted to be COCs, the laboratory analyzed the TCLP extracts for semivolatile organic compounds (SVOCs) by USEPA Method 8270C to provide results for additional analytes besides just PAHs.

To aid in future remedial technology selection decisions, additional samples were selected and analyzed for physical parameters and for leaching potential. Samples were collected from areas of elevated COC concentrations (based on previous investigations and field observations) and from several different soil types encountered (i.e., sand, silty sand, clayey sand, clay, and silt) and analyzed for the following:

- Synthetic Precipitation Leachate Procedure (SPLP) by USEPA Method 1312 and subsequent analysis for COCs detected at elevated concentrations,
- Confirmation of SPLP results on one or more samples by TCLP by USEPA Method 1311 and subsequent analysis for COCs detected at elevated concentrations,[4]
- Total Organic Carbon by the Walkley-Black Method,
- Moisture content by American Society for Testing and Materials (ASTM) Designation D2216,
- Native-state permeability to water by ASTM Designation D5084,
- Native-state permeability to air by American Petroleum Institute (API) Method RP40,
- Dry bulk density by API Method RP40 or ASTM Designation D2937, and
- Grain-size distribution by ASTM Designation D4464 or D422M.

6.4.3 Soil Under Structures

As shown on Table 2, all 483 samples collected under structures were analyzed for:

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[4]The SPLP test is a conservative measure of constituent leachability under natural field conditions. The SPLP methodology is similar to the TCLP methodology, but the intended application of the data is different. The TCLP test uses acetic acid at approximately pH 5 to simulate leachate conditions in an uncontrolled municipal waste landfill. The TCLP test is used to determine if a Resource Conservation and Recovery Act (RCRA) solid waste is considered a RCRA hazardous waste because of leachability concerns. The SPLP test uses a combination of nitric and sulfuric acid at a pH of 5, except for volatiles and cyanide which are extracted using reagent water, to measure soil leachability under normal acidic rain conditions. The SPLP approach better mimics the character of the water that might be expected under typical field conditions. Like the TCLP, the SPLP method subjects the soil to aggressive mixing in aqueous solution for 18 hours, thereby providing a conservative estimate of field conditions.

- VOCs by USEPA Method 8260B/5035 preparation,
- PAHs by USEPA Method 8270C-SIM, and
- TPH-CC by USEPA Method 8015 Modified.

In addition to the above analyses, selected 5-foot-bgs samples were analyzed for one or more of the following:

- CCR Title 22 Metals by USEPA Method 6010B/7071A/7470A (10 percent frequency),
- PCBs by USEPA Method 8082 (near electrical transformers),
- OCPs by USEPA Method 8081A (near suspected former agricultural areas), and
- Hexavalent chromium by USEPA Method 7199 (near cooling towers).

6.5 Quality Assurance/Quality Control (QA/QC)

This section presents QA/QC requirements for environmental samples that were followed during project analytical activities. The purpose of the QA/QC program is to ensure data quality satisfies the project objectives and meets or exceeds the requirements of the standard methods of analysis. This section provides a summary of the field and laboratory procedures that were employed to verify and maintain performance quality for collection of environmental samples and subsequent chemical analyses.

6.5.1 Equipment Blanks

A field equipment blank is a sample that is prepared in the field by pouring deionized, distilled water into sampling equipment that has been cleaned using the equipment decontamination procedures described in the SOPs included in Appendix D. The water is then collected and analyzed as a sample. The field equipment blank gives an indication of contamination from field procedures (e.g., improperly cleaned sampling equipment, cross-contamination). Field equipment blanks were collected at a minimum frequency of at least 5 percent of primary field samples (1 per 20 samples) and at least one per sampling day per crew when non-dedicated equipment was utilized. The field

equipment blanks were analyzed using the same analyses requested for the associated primary samples collected.

6.5.2 Trip Blanks

The primary purpose of trip blanks is to identify potential additional sources of contamination that could potentially influence concentrations reported in field samples, both quantitatively and qualitatively. Trip blanks serve as a mechanism of control for sample bottle preparation, blank water quality, and sample handling. One trip blank sample accompanied each cooler containing VOC or TPH samples sent to the laboratory for soil sampling activities.

6.5.3 Matrix Spikes

Matrix spikes (MSs), performed by the analytical laboratory to evaluate the efficiency of the sample extraction and analysis procedures, are necessary because matrix interferences from non-target compounds in the sample matrix may have a varying impact on the accuracy and precision of the extraction analysis. An MS may be prepared by the addition of known quantities of target compounds to a sample. The sample is then extracted and analyzed. The results of the analysis are compared with the known additions and a matrix spike recovery is calculated giving an evaluation of the accuracy of the extraction and analysis procedures.

For this soil investigation, matrix spike recoveries were reviewed to check that they were within acceptable ranges. However, the acceptable ranges vary widely with both sample matrix and analytical method. MSs and matrix spike duplicates (MSDs) were analyzed by the laboratory at a frequency of at least 5 percent of the primary field samples.

7. Screening Criteria

The chemical concentration data collected during the site investigation must be evaluated against regulatory limits to delineate the extent of the subsurface impacts. The regulatory limits are chemical-specific and are established through a number of regulatory processes for protecting human health and the environment. For the Site, the primary goal of the investigation was to identify subsurface impacts that are potentially harmful to human health and groundwater.

To delineate the extent of subsurface impacts, regulatory screening values from various guidance documents were reviewed. Regulatory screening criteria for each chemical in the analytical methods used for the site investigation are included in Appendix E. ARCADIS selected the lowest of the screening values between the various references for the site-specific cleanup screening levels (CSLs). These CSLs were used to identify areas at the Site requiring remediation. The CSLs for each chemical in the analytical methods are listed in Tables 3 through 8. The following subsections provide additional details on the various screening criteria.

ARCADIS consulted the following references to select CSLs:

- *Interim Site Assessment and Cleanup Guidebook* (LARWQCB, 1996);
- *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* (California Regional Water Quality Control Board, San Francisco Bay Region [SFRWQCB], 2008);
- *Regional Screening Levels for Chemical Contaminants at Superfund Sites* (USEPA, 2008);
- *The Designated Level Methodology for Waste Classification and Cleanup Level Determination* (California Regional Water Quality Control Board, Central Valley Region [CVRWQCB], 1989); and
- *Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties* (California Environmental Protection Agency [Cal/EPA], 2005).

7.1 Soil Screening Levels

LARWQCB (1996) provides guidance to assess analytical data collected from soil samples obtained from borings drilled to investigate the potential impact on groundwater. To aid the public in assessing data collected from a release, LARWQCB developed two screening models. The first screening model addresses the release of

petroleum hydrocarbons and is summarized in Table 4-1 of the guidance document. The second screening model addresses the release of chlorinated VOCs and is summarized in Table 5-1 of the guidance document. Both screening models use depth to groundwater and stratigraphic distribution of materials to calculate an attenuation factor that is used to estimate the likelihood of a release impacting groundwater. To develop screening criteria for the COCs detected in soil during subsurface investigation at the Site, ARCADIS reviewed depth-to-water data from monitoring wells screened in the uppermost water-bearing zone (wells from quarterly groundwater monitoring program) and reviewed historical groundwater elevations (as summarized in Appendix F). Depth to groundwater at the Site ranges from approximately 80 to 90 feet bgs. Site soils consist mainly of silt, but variations from poorly graded sands to fat clays exist.

7.2 Environmental Screening Levels (ESLs)

SFBRWQCB (2008) presents tables of conservative ESLs for over 100 chemicals commonly found at sites with impacted soil and groundwater, including lookup tables and a description of how they were developed. ESLs are not intended to establish policy or regulation or to serve as a stand-alone decision-making tool.

7.3 Regional Screening Levels (RSLs)

USEPA (2008) RSLs are risk-based concentrations used for assessing and cleaning up chemically impacted sites. They combine current human health toxicity values with standard exposure factors to estimate chemical concentrations in environmental media (soil, air, and water) that are considered to be health protective of human exposures over a lifetime. Chemical concentrations above these levels indicate the need for further evaluation of the potential risks that may be posed and do not necessarily trigger a response action. Further assessment may consist of additional sampling, investigating ambient levels in the environment, or reassessment of the assumptions contained in these screening-level estimates. USEPA recommends assuming maximum beneficial use of a property (i.e., residential use) when considering RSLs as cleanup goals.

7.4 Designated Level Methodology (DLM)

ARCADIS reviewed the DLM developed by CVRWQCB (1989). This guidance addresses the potential for a given metal to impact groundwater from a site release. Leachability factors are developed using the ratio of total constituent concentration to leachable constituent concentration. For the Site, BBL (2006) used the conservative

10-fold factor suggested in the guidance. For each metal detected, the soluble threshold limit concentration (STLC) provided in CCR Title 22, Section 66261.24, was multiplied by a factor of 10. The results were compared to the total threshold limit concentration (TTLC) for each detected metal.

7.5 California Human Health Screening Levels

CHHSLs (Cal/EPA, 2005) represent concentrations of 54 hazardous chemicals in soil or soil gas that Cal/EPA considers as thresholds for risks to human health. The thresholds of concern used to develop CHHSLs are an excess lifetime cancer risk of one-in-one-million (10^{-6}) and a hazard quotient of 1.0 for non-cancer health effects. These levels can be used to screen sites for potential human health concerns where releases of hazardous chemicals to soils have occurred. Under most circumstances, the presence of a chemical in soil or soil gas at concentrations less than the corresponding CHHSL can be assumed to not pose a significant health risk to people who live (residential CHHSLs) or work (commercial/industrial CHHSLs) at a site of interest.

7.6 Alternative Screening Criteria

Following the review of the data obtained for soil samples collected at 2 and 5 feet bgs as part of the Additional Site Investigation activities conducted in 2005/2006, BBL discussed the results with the LARWQCB representative. This discussion resulted in an alternative screening level concentration for arsenic of 13 milligrams per kilogram (mg/kg), which had previously been accepted for the Bloomfield property, located adjacent to the Site (ARCADIS, 2003). An overall analysis of the potential human health effects relating to the concentrations of arsenic at the Site will be provided in a site-specific human health risk assessment currently in preparation.

7.7 LARWQCB Guidance

Throughout the duration of the site investigation, ARCADIS held periodic meetings with representatives of LARWQCB to obtain guidance and recommendations on the soil sampling schedule, depth intervals, and the selection of screening levels.

8. Surface Soil Analytical Results

This section provides a summary of the laboratory results for the soil samples collected from the 294 boring locations to characterize the upper 2 feet of the Site. The number of soil samples collected and the corresponding analyses are summarized in the table below. Laboratory analytical data reports are attached in Appendix G.

Analyte	Sample Count
TPH	359
VOCs	359
PAHs	359
Metals	359
PCBs	10
OCPs	45
Hexavalent Chromium	9
TCLP	18

The following subsections present the soil investigation results for each COC group or laboratory analytical method. Figures 6 through 12 depict exceedances of CSLs and Tables 9 through 21 summarize the analytical data for the various COC groups discussed below.

8.1 TPH

TPH-CC analysis was conducted to determine the presence of compounds in the C_6 to C_{36} carbon range. A summary of the detection frequencies and the concentration ranges by depth is presented in Table 9. Analytical results are provided in Table 10.

As shown in Table 1, a total of 359 soil samples, collected from 294 soil borings, were analyzed for TPH carbon chains C_6 to C_{10}, C_{10} to C_{22}, and C_{22} to C_{36}. For the 0- to 1-foot-bgs interval, a total of 286 soil samples were collected. TPH in the C_6 to C_{10} carbon range was detected in 48 samples, amounting to a detection frequency of approximately 17 percent. TPH in the C_{10} to C_{22} carbon range was detected in 279 samples (approximately 98 percent). TPH in the C_{22} to C_{36} carbon range was detected in 278 samples (approximately 97 percent). Additionally, 73 samples were collected from the 1- to 2-foot-bgs interval. TPH in the C_6 to C_{10} carbon range was detected in 34 samples (approximately 47 percent). TPH in the C_{10} to C_{22} carbon range was detected

in 68 samples (approximately 93 percent). TPH in the C_{22} to C_{36} carbon range was detected in 69 samples (approximately 95 percent).

TPH was most frequently detected in the C_{10} to C_{22} and C_{22} to C_{36} carbon ranges. The maximum concentrations of TPH for the upper 2 feet were also found in the C_{10} to C_{22} and C_{22} to C_{36} carbon ranges, indicative of predominantly heavier range hydrocarbon impacts.

TPH concentrations were compared to CSLs, which were determined by the lowest of the regulatory screening values described in Section 7. CSLs were exceeded at least once; the locations exhibiting TPH concentrations exceeding the CSLs are presented in Figure 6.

8.2 VOCs

Soil samples collected from all of the 294 boring locations at depths of approximately 0 to 6 inches bgs as well as near-surface depths between 1 foot and 2 feet bgs at selected locations were submitted for VOC analysis (Table 1). A summary of the detection frequency and concentration ranges of the observed VOCs is presented in Table 11. Analytical results are provided in Table 12.

From the analyte list targeted by USEPA Method 8260B, 40 compounds were detected at least once (Table 11). Of the compounds analyzed, acetone was the most frequently detected and was present in 156 of 359 samples (approximately 43 percent). The second most frequently detected VOC was 2-butanone, which was present in 124 samples (approximately 35 percent). 1,2,4-Trimethylbenzene (TMB) was the VOC detected at the highest concentration at the Site, where it was present at 410,000 micrograms per kilogram (µg/kg) between 1 foot and 2 feet bgs at location S111.

VOC concentrations were compared to CSLs, which were determined by the lowest of the screening values described in Section 7. CSLs were exceeded at least once for the following VOCs: 1,2,3-trichloropropane (1,2,3-TCP), 1,2,4-trichlorobenzene (1,2,4-TCB), 1,2,4-TMB, 1,2-dichlorobenzene (1,2-DCB), 1,2-dichloropropane (1,2-DCP), 1,3,5-TMB, acetone, benzene, bromodichloromethane, chloroform, ethylbenzene, methylene chloride, methyl tert-butyl ether (MTBE), naphthalene, tertiary butyl alcohol (TBA), toluene, o-xylene, and p/m-xylenes. The locations exhibiting VOC concentrations exceeding the CSLs are presented in Figure 7.

8.3 PAHs

Soil samples collected from all of the 294 boring locations at depths of approximately 0 to 6 inches bgs as well as near-surface depths between 1 foot and 2 feet bgs at selected locations were submitted for PAH analysis (Table 1). A summary of the detection frequency and concentration ranges of the observed PAHs is presented in Table 13. Analytical results are provided in Table 14.

A total of 359 samples were analyzed for PAHs. Of the analyte list targeted by USEPA Method 8270C-SIM, all 18 compounds were detected at least once (Table 13). The most frequently detected PAHs at the Site were pyrene (approximately 48 percent), chrysene (approximately 47 percent), and phenanthrene (approximately 37 percent). Other PAHs present in certain samples were 1-methylnaphthalene, 2-methylnaphthalene, acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, fluorene, and indeno(1,2,3-cd)pyrene.

PAH concentrations were compared to CSLs, which were determined by the lowest of the screening values described in Section 7. CSLs were exceeded at least once for the following PAHs: 1-methylnaphthalene, 2-methylnaphthalene, acenaphthene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, and phenanthrene. The locations exhibiting PAH concentrations exceeding the CSLs are presented in Figure 8.

8.4 Metals

Selected soil samples were analyzed for CCR Title 22 metals (Table 1). A summary of the detection frequency and concentration ranges of the observed metals is presented in Table 15. Analytical results are provided in Table 16. Each of the 17 metals of interest targeted by USEPA Methods 6010B/7071A/7470A was detected at least once.

Metals concentrations were compared to CSLs, which were determined by the lowest of the screening values described in Section 7. CSLs were exceeded at least once for the following metals: antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, selenium, vanadium, and zinc. The locations exhibiting metals concentrations exceeding the CSLs are presented in Figure 9.

8.5 PCBs

Ten soil samples, collected at locations near former transformers, were analyzed for PCBs (Table 1). A summary of the detection frequency and concentration ranges of the observed PCBs is presented in Table 17. Analytical results are provided in Table 18. PCB-1254 was detected in the soil samples collected at locations S018, S047, S103, and S113 at concentrations ranging from 56 to 1,900 μg/kg (Table 17).

PCB concentrations were compared to CSLs, which were determined from the lowest of the screening values as described in Section 7. The CSL for PCB-1254 was exceeded in the two samples collected at locations S018 and S047 (Figure 10).

8.6 OCPs

Soil samples collected from 42 locations were submitted for OCP analysis (Table 1). A summary of the detection frequency and concentration ranges of the observed OCPs is presented in Table 19. Analytical results are provided in Table 20.

Samples collected from three locations (S108, S185, and S262) contained at least one OCP (Table 19). The only OCPs observed at concentrations above MDLs were dieldrin at locations S108 and S185 and aldrin and chlordane at location S185, all samples collected from 0 to 6 inches bgs.

OCP concentrations were compared to CSLs, which were determined by the lowest of the screening values described in Section 7. CSLs were exceeded in at least one sample for aldrin, chlordane, and dieldrin (Figure 11).

8.7 Hexavalent Chromium

Nine soil samples, collected from seven locations near former cooling towers, were submitted for hexavalent chromium analysis (Table 1). A summary of the detection frequency and concentration ranges of hexavalent chromium is presented in Table 15. Analytical results are provided in Table 16. All nine soil samples contained hexavalent chromium at concentrations ranging between 130 and 2,800 µg/kg.

Hexavalent chromium concentrations were compared to the 530 µg/kg CSL developed in Section 7. The CSL was exceeded in samples collected from five locations, namely S123, S144, S159, S227, and S237 (Figure 12).

8.8 TCLP

To aid in future remedial technology selection decisions, additional samples were selected and analyzed for leaching potential using TCLP. Samples were collected from areas of elevated chemical concentrations, based on previous investigations and field observations, and from several different soil types encountered and analyzed for one or more of the following: VOCs, lead, SVOCs, PCBs, and OCPs. Analytical results are provided in Table 21.

Soil samples collected from the upper 2 feet at locations S009, S044, S047, S064, S126, and S145 were leached and analyzed for VOCs. No VOCs were present above MDLs. Samples collected from all of the aforementioned locations with the exception of S047 were also analyzed for lead. Lead was detected in 2 of 3 samples collected between 0 and 1 foot bgs (0.101 milligram per liter [mg/L] at location S044 and 0.122 mg/L at location S126) and in 1 of 2 samples collected between 1 and 2 feet bgs (0.648 mg/L at location S009). Samples from locations S047, S048, S145, and S280 were also analyzed for SVOCs with no detections observed. PCBs were analyzed in samples from locations S018, S126, and S280 and OCPs were analyzed in samples from locations S018, S044 S126, and S172. Neither PCBs nor OCPs were detected above the corresponding MDLs.

9. Deep Soil Analytical Results

This section provides a summary of the laboratory results for the shallow and deep soil samples collected from the 20 deep soil borings advanced at the Site. The number of soil borings sampled and the corresponding analyses are summarized in the table below. Laboratory analytical data reports are attached in Appendix G.

Analyte	Sample Count
TPH	136
VOCs	136
PAHs	136
Metals	3
PCBs	3
OCPs	2
Hexavalent Chromium	2
SPLP	10
TCLP	10
Physical Parameters	12

The following subsections present the soil investigation results for each COC group or laboratory analytical method. Figures 13 through 22 depict COC exceedances of CSLs at the various depth intervals investigated. Tables 22 through 31 summarize the analytical data for the various COC groups discussed below.

9.1 TPH

TPH-CC analysis was conducted to determine the presence of compounds in the C_6 to C_{36} carbon range. A summary of the detection frequencies and the concentration ranges by depth is presented in Table 22. Analytical results are provided in Table 23.

As shown in Table 2, a total of 136 soil samples, collected from 20 soil borings, were analyzed for TPH carbon chain C_6 to C_{10}, C_{10} to C_{22}, and C_{22} to C_{36}. TPH in the C_6 to C_{10} carbon range was detected in 63 samples (approximately 46 percent). TPH in the C_{10} to C_{22} carbon range was detected in 101 samples (approximately 74 percent). TPH in the C_{22} to C_{36} carbon range was detected in 89 samples (approximately 65 percent).

At approximately 5 feet bgs, TPH was most frequently detected in the C_{10} to C_{22} and C_{22} to C_{36} carbon ranges. At approximately 10, 30, 40, 50, 70, and 90 feet bgs, TPH was most frequently detected in the C_{10} to C_{22} carbon range. TPH was most frequently

detected in the C_6 to C_{10} and C_{10} to C_{22} carbon ranges at approximately 20, 60, and 80 feet bgs. Maximum TPH concentrations at each depth were in the C_{10} to C_{22} and C_{22} to C_{36} carbon ranges, indicative of predominantly heavier hydrocarbon impacts.

TPH concentrations were compared to CSLs, which were determined by the lowest of the regulatory screening values described in Section 7. CSLs were exceeded in one or more samples for each of the three carbon chain lengths, C_6 to C_{10}, C_{10} to C_{22}, and C_{22} to C_{36}.

9.2 VOCs

Soil samples collected from regular depth intervals in each boring were submitted for VOC analysis. A total of 136 samples were analyzed (Table 2). A summary of the detection frequency and concentration ranges of the observed VOCs is presented in Table 24. Analytical results are provided in Table 25.

From the analyte list targeted by USEPA Method 8260B, 24 compounds were detected at least once (Table 24). Of the compounds analyzed, benzene was the most frequently detected and was present in 81 samples (approximately 60 percent). The second most frequently detected VOCs were ethylbenzene and n-propylbenzene, which were each detected in 77 samples (approximately 57 percent). p/m-Xylene isomers were the VOCs detected at the highest concentration, 740,000 μg/kg at 60 feet bgs in soil boring B241. Toluene followed with its highest concentrations at 300,000 and 330,000 μg/kg, detected at 50 and 60 feet bgs, respectively, in the same boring.

VOC concentrations were compared to CSLs, which were determined by the lowest of the screening values described in Section 7. CSLs were exceeded at least once for the following VOCs: 1,2,4-TMB, 1,2-dichloroethane (1,2-DCA), 1,3,5-TMB, benzene, chloroform, ethylbenzene, isopropylbenzene, MTBE, naphthalene, TBA, toluene, o-xylene, and p/m-xylenes.

9.3 PAHs

Soil samples collected from regular depth intervals in each boring were submitted for PAH analysis. A total of 136 samples were analyzed (Table 2). A summary of the detection frequency and concentration ranges of the observed PAHs is presented in Table 26. Analytical results are provided in Table 27.

Of the analyte list targeted by USEPA Method 8270C-SIM, 11 of 18 compounds were detected at least once (Table 26). The most frequently detected PAHs were 2-methylnaphthalene (approximately 49 percent), naphthalene (approximately 46 percent), and 1-methylnaphthalene (approximately 45 percent). Other PAHs present in certain samples were acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, chrysene, fluorene, phenanthrene, and pyrene.

PAH concentrations were compared to CSLs, which were determined by the lowest of the screening values described in Section 7. CSLs were exceeded at least once for the following PAHs: 1-methylnaphthalene, 2-methylnaphthalene, acenaphthene, benzo(a)anthracene, fluorene, naphthalene, and phenanthrene.

9.4 Metals

Three soil samples, collected from approximately 5 feet bgs in borings B228, B229, and B235, were analyzed for CCR Title 22 metals (Table 2). A summary of the detection frequency and concentration ranges of the observed metals is presented in Table 28. Analytical results are provided in Table 29. With the exception of antimony, cadmium, molybdenum, silver, and thallium, each of the metals of interest was detected at least once.

Metals concentrations were compared to CSLs, which were determined by the lowest of the screening values described in Section 7. CSLs were exceeded at least once for the following metals: chromium, lead, and vanadium.

9.5 PCBs

Three soil samples, collected from approximately 5 feet bgs in borings B234, B238, and B242, were analyzed for PCBs (Table 2). No PCBs were detected (Table 30).

9.6 OCPs

Two soil samples, collected from approximately 5 feet bgs in borings B224 and B237, were analyzed for OCPs (Table 2). No OCPs were detected (Table 31).

9.7 Hexavalent Chromium

Two soil samples, collected from approximately 5 feet bgs in borings B234 and B238, were analyzed for hexavalent chromium (Table 2). Hexavalent chromium was detected in both samples at concentrations of 740 and 300 μg/kg, respectively (Table 29).

Hexavalent chromium concentrations were compared to the 530 µg/kg CSL developed in Section 7. The CSL was exceeded in the sample collected from boring B234.

9.8 TCLP and SPLP

To aid in future remedial technology selection decisions, additional samples were selected and analyzed for leaching potential using SPLP and TCLP. Samples were collected from areas of elevated chemical concentrations, based on previous investigations and field observations, and from several different soil types encountered and analyzed for VOCs and lead. Analytical results are provided in Table 21.

Soil samples collected from various depths in four soil borings (B227, B231, B232, and B241) were leached and analyzed for VOCs. Samples collected from approximately 5, 10, 30, 50, 70, and 90 feet bgs in boring B227 were leached and analyzed for lead.

When the TCLP method was used, VOCs were detected in the B241 sample only, namely 1,2,4-TMB (1,600 micrograms per liter [μg/L]), 1,3,5-TMB (400 μg/L), n-propylbenzene (110 μg/L), and p/m-xylenes (470 μg/L). When the SPLP method was used, VOCs were detected in samples from all four borings. Acetone (52 to 470 μg/L), benzene (6.3 μg/L), 2-butanone (17 μg/L), sec-butylbenzene (4.4 μg/L), tert-butylbenzene (1.3 μg/L), ethylbenzene (1.1 to 43 μg/L), isopropylbenzene (2.1 to 22 μg/L), p-isopropyltoluene (15 μg/L), methylene chloride (10 to 11 μg/L), MTBE (1.2 to 41 μg/L), n-propylbenzene (17 μg/L), toluene (17 μg/L), 1,3,5-TMB (2.1 to 170 μg/L), o-xylene (1.8 to 6.1 μg/L), and p/m-xylenes (4.2 μg/L) were all detected at least once. Lead was detected only in boring B227 at approximately 5 feet bgs (3.42 mg/L) when TCLP was the leaching method and at approximately 5 feet bgs (3.21 mg/L), 10 feet bgs (0.119 mg/L), and 50 feet bgs (0.0191 mg/L) in the SPLP case.

9.9 Physical Parameters

Certain soil samples were selected and analyzed for physical parameters to aid in future remedial technology selection decisions. Twelve soil samples were collected from areas of elevated chemical concentrations and from several different soil types.

Soil samples from various depths collected in six soil borings (B227, B231, B232, B236, B241, and B243) were analyzed for physical parameters (Table 2). The physical parameters of interest were hydraulic conductivity, permeability to water and air, total organic carbon, in-place dry bulk density, and particle-size distribution. Analytical results are provided in Table 32.

10. Under-Structure Soil Analytical Results

This section provides a summary of the laboratory results for the soil samples collected from the 79 under-structure soil borings advanced at the Site. The number of soil borings sampled and the corresponding analyses are summarized in the table below. Laboratory analytical data reports are attached in Appendix G.

Analyte	Sample Count
VOCs	477
TPH	475
PAHs	475
Metals	18
PCBs	8
OCPs	9
Hexavalent Chromium	10
TCLP	2

The following subsections present the soil investigation results for each COC group or laboratory analytical method. Figures 13 through 22 depict COC exceedances of CSLs at the various depth intervals investigated. Tables 22 through 31 summarize the analytical data for the various COC groups discussed below.

10.1 TPH

TPH-CC analysis was conducted to determine the presence of compounds in the C_6 to C_{36} carbon range. A summary of the detection frequencies and the concentration ranges by depth is presented in Table 33. Analytical results are provided in Table 34.

As shown in Table 2, a total of 475 soil samples, collected from 79 soil borings, were analyzed for TPH carbon chain C_6 to C_{10}, C_{10} to C_{22}, and C_{22} to C_{36}. TPH in the C_6 to C_{10} carbon range was detected in 115 samples (approximately 24 percent). TPH in the C_{10} to C_{22} carbon range was detected in 217 samples (approximately 46 percent). TPH in the C_{22} to C_{36} carbon range was detected in 205 samples (approximately 43 percent).

At approximately 5 and 20 feet bgs, TPH was most frequently detected in the C_{10} to C_{22} and C_{22} to C_{36} carbon ranges. At approximately 10, 30, 40, 50, 60, 70, and 90 feet bgs, TPH was most frequently detected in the C_{10} to C_{22} carbon range. The approximate 80-foot-bgs samples were dominated by TPH in the C_{22} to C_{36} carbon range. Maximum

TPH concentrations at each depth were in the C_{10} to C_{22} and C_{22} to C_{36} carbon ranges, indicative of predominantly heavier hydrocarbon impacts.

TPH concentrations were compared to CSLs, which were determined by the lowest of the regulatory screening values described in Section 7. CSLs were exceeded in one or more samples for each of the three carbon chain lengths, C_6 to C_{10}, C_{10} to C_{22}, and C_{22} to C_{36}.

10.2 VOCs

Soil samples collected from regular depth intervals in each boring were submitted for VOC analysis. A total of 477 samples were analyzed (Table 2). A summary of the detection frequency and concentration ranges of the observed VOCs is presented in Table 35. Analytical results are provided in Table 36.

From the analyte list targeted by USEPA Method 8260B, 31 compounds were detected at least once (Table 35). Of the compounds analyzed, benzene was the most frequently detected and was present in 195 samples (approximately 41 percent). The next most frequently detected VOCs were ethylbenzene and 1,2,4-TMB, which were respectively detected in 151 and 143 samples (approximately 32 and 30 percent). p,m-Xylene isomers were the VOCs detected at the highest concentration, 540,000 μg/kg at approximately 50 feet bgs in boring B257. Second came 1,2,4-TMB, which was detected at a concentration of 380,000 μg/kg at approximately 40 feet bgs in boring B308.

VOC concentrations were compared to CSLs, which were determined by the lowest of the screening values described in Section 7. CSLs were exceeded at least once for the following VOCs: 1,2,4-TMB, 1,2-DCA, 1,2-DCP, 1,3,5-TMB, benzene, chloroform, ethylbenzene, isopropylbenzene, MTBE, naphthalene, TBA, toluene, o-xylene, and p/m-xylenes.

10.3 PAHs

Soil samples collected from regular depth intervals in each boring were submitted for PAH analysis. A total of 475 samples were analyzed (Table 2). A summary of the detection frequency and concentration ranges of the observed PAHs is presented in Table 37. Analytical results are provided in Table 38.

Of the analyte list targeted by USEPA Method 8270C-SIM, all 18 compounds were detected at least once (Table 37). The most frequently detected PAHs were 2-methylnaphthalene (approximately 26 percent), 1-methylnaphthalene (approximately 23 percent), naphthalene (approximately 20 percent), and phenanthrene (approximately 10 percent). Other PAHs present in certain samples were acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, and pyrene.

PAH concentrations were compared to CSLs, which were determined by the lowest of the screening values described in Section 7. CSLs were exceeded at least once for the following PAHs: 1-methylnaphthalene, 2-methylnaphthalene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, and phenanthrene.

10.4 Metals

Twelve soil samples, collected from approximately 5 feet bgs in 12 borings (B247, B248, B251, B262, B270, B278, B279, B294, B302, B303, B306, and B322), were analyzed for CCR Title 22 metals (Table 2). Six additional samples were collected at just under the soil surface and at 2 feet bgs in borings B324, B325, and B326 for CCR Title 22 metals analysis (Table 1). A summary of the detection frequency and concentration ranges of the observed metals is presented in Table 39. Analytical results are provided in Table 40. With the exception of silver, each of the metals of interest was detected at least once.

Metals concentrations were compared to CSLs, which were determined by the lowest of the screening values described in Section 7. CSLs were exceeded at least once for the following metals: chromium, copper, lead, mercury, molybdenum, thallium, and vanadium.

10.5 PCBs

Eight soil samples, collected from approximately 5 feet bgs in borings B246, B253, B293, B294, B295, B306, B314, and B319, were analyzed for PCBs (Table 2). With the exception of a detection of PCB-1254 at 240 μg/kg in the sample from boring B294, no PCBs were detected (Tables 41 and 42).

PCB concentrations were compared to CSLs, which were determined from the lowest of the screening values as described in Section 7. PCB-1254 exceeded its 89 μg/kg CSL in the sample collected at approximately 5 feet bgs in boring B294.

10.6 OCPs

Nine soil samples, collected from approximately 5 feet bgs in borings B248, B260, B268, B277, B287, B294, B303, B315, and B322, were analyzed for OCPs (Table 2). No OCPs were detected (Table 43).

10.7 Hexavalent Chromium

Ten soil samples, collected from approximately 5 feet bgs in borings B250, B256, B276, B277, B283, B284, B305, B306, B308, and B309, were analyzed for hexavalent chromium (Table 2). Hexavalent chromium was detected in all of these samples at concentrations ranging from 160 μg/kg (B308) to 1,700 μg/kg (B306) (Tables 39 and 40).

Hexavalent chromium concentrations were compared to the 530 µg/kg CSL developed in Section 7. The CSL was exceeded in the soil samples collected from borings B306 (1,700 μg/kg) and B309 (560 μg/kg).

10.8 TCLP

To aid in future remedial technology selection decisions, additional samples were selected and analyzed for leaching potential using TCLP. Soil samples collected at approximately 10 and 30 feet bgs in boring B299 were leached and analyzed for VOCs and PAHs. Only acetone (130 to 320 μg/L) and toluene (350 μg/L in the approximate 30-foot-bgs sample) were detected. Analytical results are provided in Table 21.

11. Data Quality Assessment

This section summarizes the analytical data quality assessment associated with the soil sampling events conducted during the period November 2007 through January 2009. Chemical analytical data were reviewed by ARCADIS utilizing the analytical method requirements as published by USEPA (2004b) and data validation guidelines published by USEPA (1999, 2001, and 2004a) and discussed in ARCADIS BBL (2007a). The data verification and data validation reports are provided in Appendix H. Analytical laboratory reports are provided in Appendix G. Physical parameter testing data were not validated.

Four hundred and thirty-seven soil samples were collected during the various sampling events. Twenty-five equipment blanks and twenty-six trip blanks were included as field quality control samples. Samples were analyzed according to the methods outlined in Section 6.4, though not all samples were analyzed for the same suites.

The specific data quality indicators in the cursory reviews included, as applicable to the analytical method, holding time compliance, laboratory method blanks, equipment blanks, trip blanks, laboratory control sample/duplicate (LCS/LCSD) precision and accuracy, MS/MSD sample precision and accuracy, surrogate compound recoveries, and appropriate method reporting limits (MRLs). In addition, a Level 3 (as defined in USEPA [2001] validation guidance) data validation was performed on approximately 10 percent of the data. The Level 3 validation included evaluation of initial and continuing calibration information, internal standard recoveries, confirmation of analyte identification, and calculation verification.

Samples slated for chemical analysis were analyzed by Calscience Environmental Laboratories, Inc. (Calscience), located in Garden Grove, California. Calscience is certified by the California Department of Public Health Environmental Laboratory Accreditation Program. Soil samples for VOC analysis were collected in accordance with USEPA Method 5035 and either preserved at the time of collection or by Calscience within 48 hours of collection. Calscience reported soil sample data on a dry-weight basis and flagged any concentrations detected between the MRL and the MDL as estimated using a “J” qualifier.

11.1 Data Verification

A primary review was performed on all of the analytical data packages to evaluate general laboratory performance and compliance with the project requirements. The

Level 3 validation included additional QC data reviews to further establish data usability for the project. The primary review included the following components:

- sample transfer and receipt
- data package completeness
- holding-time compliance
- project-required MRLs
- blank contamination
- system monitoring compound (surrogate) accuracy
- LCS accuracy
- MS pairs accuracy and precision

Precision and accuracy were evaluated to identify potential systematic deficiencies in laboratory performance and to determine if additional in-depth data quality evaluations were necessary to ensure data usability. The additional Level 3B validation confirmed that laboratory data were generally acceptable and no systematic technical deficiencies were identified. The following is a summary of the data verification and validation as documented in the Data Validation Checklists presented in Appendix H.

11.1.1 Sample Transfer and Receipt

Samples were shipped via overnight courier to Calscience under chain-of-custody protocols. Chain-of-custody forms were signed by the field team, sealed inside the sample coolers, and signed by a Calscience representative upon receipt. Calscience documented sample condition on sample receipt checklists. Samples were received at Calscience in acceptable condition and within appropriate temperature preservation requirements. A few minor discrepancies associated with sample identification were addressed and resolved by Calscience and ARCADIS. A few additional analyses that were not listed on the chains of custody were added by ARCADIS. All required analyses were performed and reported by Calscience.

11.1.2 Holding Times

Calscience performed the majority of analyses within the recommended holding times. A few holding times were exceeded due to reanalysis associated with QC failures. Hexavalent chromium holding times were exceeded on some samples due to delays in shipping of samples from the field to the laboratory. PAH results were qualified as rejected in some samples due to exceedance of recommended holding times. Such cases were primarily associated with samples that were originally placed on hold and Calscience was subsequently requested to conduct the analyses outside of the holding time.

11.1.3 Blanks

Method blanks, equipment blanks, and trip blanks were prepared and analyzed in conjunction with the field samples to monitor potential contamination impacts during collection, shipment, and analysis. Method blanks were included in each analytical batch to ensure that potential interferences associated with the analytical system, reagents, and/or laboratory glassware were identified. Trip blanks were prepared by the laboratory and shipped with sample containers to the site, then returned to the laboratory in each cooler to evaluate potential impacts to samples during transport and storage. Equipment blanks were prepared in the field to evaluate potential contaminant introduction during the sample process as a result of incomplete equipment decontamination.

Detections of organic constituents in the field samples less than five times the associated blank concentration were qualified as non-detect. Common laboratory organic contaminants and all metals were qualified as non-detect if the associated sample concentration was less than 10 times the blank value. Associated blanks were evaluated for the presence of target analytes only.

Low concentrations of target analytes were detected in some method blanks, trip blanks, and equipment blanks. Consequently, sample results were qualified as non-detect at the reported concentration due to associated blank contamination, but the nature and degree of contamination were considered minor and not systemic problems.

11.1.4 System Monitoring Compounds

Method performance on individual samples is evaluated by means of spiking samples with system monitoring compounds (surrogates). A few surrogate recovery excursions were noted, which resulted in qualification of associated results as estimated, but the nature and degree of the exceedances are considered minor with the exception of a few PAH results that were qualified as rejected due to <10% recovery of one or more surrogates.

11.1.5 Laboratory Control Samples

LCSs were prepared and analyzed by Calscience to evaluate method performance and analytical accuracy utilizing chemical standards prepared from a source different than the calibration standards in a clean matrix similar to the field samples included in an analytical batch. The LCSs establish control of the method within the laboratory environment from sample preparation through instrument performance without potential bias from field matrices. The LCSs were spiked with all compounds reported with the exception of PCBs, for which only two of the Aroclors were included in the spike mix. Percent recoveries were utilized to evaluate and qualify associated field samples based on laboratory established control limits. Very few LCS QC exceedances were noted. The nature and degree of the excursions were minor and no results were rejected.

11.1.6 Matrix Spikes

Calscience performed MS/MSD analyses to determine precision and accuracy of the analytical method on the site-specific matrix and to demonstrate acceptable compound recovery at the time of sample analysis. Accuracy was evaluated based on the percent recoveries of the spiked compounds. Precision was based on the relative percent difference between the MS and MSD recoveries. Site-specific MSs/MSDs were collected in accordance with the project requirements at approximately 1 per 20 field samples. MS/MSD data were used in conjunction with other available QC information to formulate professional judgments and to apply qualification relative to the validity and usability of the analytical results. Laboratory-established control limits were utilized to evaluate MS/MSD performance. Data qualification was based on professional judgment and overall compliance with control limits.

Some MS/MSD compound recovery exceedances were noted, which resulted in qualification of associated results as estimated. The nature and degree of most

excursions were minor. Naphthalene was qualified as rejected in one sample and antimony was qualified as rejected in several of the January 2009 samples due to very poor recovery of the site-specific MSs.

11.1.7 Method Reporting Limits

There were several instances noted where samples required dilution and associated elevation of MRLs for non-detect compounds due to matrix interference or levels of target analytes outside instrument calibration range. However, the noted dilutions were consistent with standard laboratory methodology and reporting protocol.

11.1.8 Level 3B Validation Findings

Approximately 10 percent of the analytical results were subjected to a detailed Level 3B data validation including compound identification, instrument tuning, initial and continuing calibration protocol, internal standard recoveries, calculation verification, and raw data review. The detailed validation did not identify any issues that warranted rejection of data or systematic technical deficiencies in laboratory performance. A few additional results were qualified as estimated due to interferences present in the mass spectra, co-eluting peaks, or minor (method-acceptable) deficiencies with continuing calibration response. Additional details of the Level 3B validation are presented in the Validation Checklists in Appendix H

11.2 Conclusion

Overall, the QC results indicate that the laboratory method performance was generally in control and performed according to standard method protocols. Most results are usable without qualification. Some results required qualification as estimated due to minor QC exceedances or the results were qualified as non-detect due to associated blank contamination or misidentification, but data are usable for supporting project decisions as qualified. A few results determined to be unusable were qualified as rejected due to major QC deficiencies or extreme exceedance of holding times.

12. Areas of Concern

Based on a review of surface, shallow, and deep soil analytical results, several areas of concern were identified at the Site. These areas of concern include likely source areas identified by the investigation results and in some cases additional assessment will be necessary. As would be expected for a former refinery, petroleum-related organic compounds (TPH, VOCs, and PAHs) are the primary COCs. However, certain metals, PCBs, and OCPs are present at concentrations exceeding CSLs in some areas.

It is worth noting that vanadium concentrations in most of the surface soil samples collected at the Site exceeded the 16 mg/kg CSL, but background vanadium concentrations in California soils have been reported to range between 39 and 288 mg/kg (Bradford et al., 1996) and 36 and 90 mg/kg (Lawrence Berkeley National Laboratory, 1995). Furthermore, Hunter et al. (2005) estimated that background vanadium concentrations to be on the order of 88 mg/kg for soils sampled at various U.S. Air Force bases in California.

12.1 Surface Soil

Potential source areas of COCs were identified by reviewing exceedance figures for soil within the upper 2 feet. The potential source areas are discussed by operational area in the subsections below.

12.1.1 East Tank Farm

Figures 6, 8, and 9 show that the majority of soil samples collected from 0 to 2 feet bgs exceed CSLs for at least one of the following groups of COCs: TPH-CC, PAHs, and metals (mainly lead). Based on VOC results, the following main potential sources within the East Tank Farm were identified:

- The central portion in the vicinity of former tanks AST #27103 (gasoline), AST #40106 (topped crude oil), AST #27093 (diesel), and AST #60107 (gas oil)

- The northwestern corner at the northern edge of former tanks AST #20014 and AST #20094 (gas oil), AST #10074 (wastewater), and AST #10073 (water)

Hexavalent chromium analyses revealed CSL exceedances in samples collected at the northern edge the cooling tower located in the northern portion of the East Tank Farm.

Certain OCPs and PCBs were present at concentrations exceeding CSLs in surface soil samples collected near the southwestern corner of the East Tank Farm.

12.1.2 Processing Area

Similar to the East Tank Farm, the majority of the surface soil samples collected from the Processing Area portion of the Site contained certain VOCs and PAHs, as well as TPH and lead, at concentrations exceeding CSLs. Most of the exceedances were concentrated in the southern portion of the Processing Area where the Crude Unit, Jet Clay Treater, and Oxidation structures and components were located.

Hexavalent chromium exceedances were observed in soil samples collected west of the Warehouse Building, south of the former cooling tower located adjacent to the Main Entrance Road, and northwest of the cooling tower located east of the Thermal Oxidizer.

PCB CSLs were exceeded in soil samples collected south of former AST #5516, which contained decant oil, at the southwestern edge of the former Crude Unit, and in the vicinity of the former MEROX Unit. The soil sample collected south of former AST #5516 also contained certain OCPs above screening levels.

12.1.3 West Tank Farm

Surface soil sampling throughout the West Tank Farm revealed CSL exceedances for at least one of the TPH ranges at the majority of the sampled locations. CSLs for at least one of the VOCs and PAHs analyzed were exceeded in samples collected in the vicinity of tanks AST #40063, AST #40065, and AST #20092, which all contained diesel, and in the area between AST #79022 and AST #54039 (both contained sour water). No hexavalent chromium, PCB, or OCP exceedances were observed in the surface soil samples collected in the West Tank Farm.

12.2 Shallow and Deep Soil

Potential source areas of COCs were identified by reviewing exceedance figures for soil samples collected between 5 and 90 feet bgs. The potential source areas are discussed by operational area in the subsections below.

12.2.1 East Tank Farm

Based on the deep and under-structure soil investigation results, the following three potential sources within the East Tank Farm were identified:

- The northern portion where former gasoline ASTs #60108 and #27103 were located
- The central portion where AST #20014 (gas oil) was located and in the area between former ASTs #5097 and #10095, which contained gasoline and platformate, respectively
- The northwestern corner where AST #10074 (wastewater) was formerly located

12.2.2 Processing Area

Based on the deep and under-structure soil investigation results, the following six main potential sources within the Processing Area were identified:

- The northern boundary of the Site in the vicinity of the FCC Feed Hydrotreater, north of the Control Building
- The central portion of the Site south of the former Thermal Oxidizer and in the vicinity of the former Vacuum Unit
- The western boundary of the Processing Area, west of the LOMAX Unit
- The southern portion of the Processing Unit in the vicinity of the Jet Clay Treater, in the area north of the former MEROX Unit, and in the vicinity of the former Crude Unit;
- The southern portion of the area in the area north of former AST #27089, which contained gasoline, and later MTBE
- The southern boundary of the Site in the vicinity of AST #4236, which contained well water, and AST #2047, which contained diesel fuel in the 1970s, and later waste crude oil from the crude desalter

12.2.3 West Tank Farm

Based on the deep and under-structure soil investigation results, the following two main potential source areas were identified for the West Tank Farm:

- The eastern portion, in the vicinity of AST #60059, which contained heavy naphtha, AST #40063, which contained diesel fuel, and AST #40065, which contained fuel oil until the mid-1970s, then treated gas oil

- The southwestern portion of the Site in the area between former AST #3012 and Rothchild's Storm Water Impound

12.3 Data Gaps

Based on the results of this supplemental soil investigation, the following data gaps have been identified:

- The investigation was conducted while most ASTs and processing units in the West Tank Farm remained intact. Once the structures are removed, additional investigation will be needed beneath the structures.

- Both Seagrave's and Rothchild's Storm Water Impound Basins, located at the southeastern and southwestern corners of the Site, respectively, were inaccessible for soil sampling due to rain water accumulation.

13. Summary and Conclusions

The primary goals of this supplemental soil investigation were to assess the nature and extent of site-related COC impacts to soil between the ground surface and 2 feet bgs; to conduct an investigation under refinery structures to characterize soil beneath ASTs and process units as they were being dismantled and removed from the Site; and to further delineate the vertical and lateral extent of COC impacts identified in the *Additional Site Investigation Report* (BBL, 2006). The investigation was conducted within three subsurface zones: (1) surface (0 to 2 feet bgs); (2) shallow (2 to 20 feet bgs), and (3) deep (20 to 90 feet bgs). The investigation focused on surface and shallow soil because this zone represents the largest potential impact to human health and site redevelopment. Additionally, shallow soil can be remediated using different methods (i.e., excavation) than deeper soil and groundwater. Deep soil was investigated primarily to target areas with known historical accidental hydrocarbon/VOC releases.

The investigation consisted of collecting surface soil samples at 294 locations distributed across the Site in addition to advancing 79 soil borings under former refinery structures and 20 soil borings at locations which, based on previous investigation results, might contain COC impacts. Surface soil samples were collected at a depth of approximately 0 to 6 inches bgs at all 294 locations. A number of deeper soil samples (between 1 foot and 2 feet bgs) were collected at locations that exhibited elevated PID measurements and/or staining. All surface soil samples were analyzed for VOCs, PAHs, TPH-CC, and metals. In addition to the above analyses, selected surface soil samples were analyzed for PCBs, OCPs, hexavalent chromium, and TCLP extractions.

In each of the 20 deep soil borings, samples were collected at depths of 5, 10, 20, 30, 40, 50, 60, 70, 80, and 90 feet bgs and analyzed for VOCs, PAHs, and TPH-CC. Selected 5-foot-bgs samples were also analyzed for metals, PCBs, OCPs, hexavalent chromium, TCLP and SPLP extractions, and physical parameters.

Finally, under-structure soil sampling consisted of advancing 40-foot borings with samples collected at 5, 10, 20, 30, and 40 feet bgs as well as 90-foot borings that included additional sampling at 50, 60, 70, 80, and 90 feet bgs. All under-structure soil samples were analyzed for VOCs, PAHs, and TPH-CC. Selected 5-foot-bgs samples were also analyzed for metals, PCBs, OCPs, and hexavalent chromium.

Beneath surficial fill and roadbase, ARCADIS observed laterally and vertically heterogeneous alluvial deposits ranging in size from poorly graded sands to fat clays. In general, the eastern portion of the Site contains more coarse-grained sediments (sand and gravel) than the western portion of the Site.

Soil COC data collected during the supplemental soil investigation were evaluated against the lowest published screening levels from various sources (CSLs) to delineate the lateral and vertical extent of subsurface impacts. COCs exceeding CSLs in the surface soil samples are listed below:

Total Petroleum Hydrocarbons
C_6 to C_{10}
C_{10} to C_{22}
C_{22} to C_{36}

Volatile Organic Compounds
1,2,3-Trichloropropane
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,2-Dichlorobenzene
1,2-Dichloropropane
1,3,5-Trimethylbenzene
Acetone
Benzene
Bromodichloromethane
Chloroform
Ethylbenzene
Methylene chloride
MTBE
Naphthalene
Tertiary butyl alcohol
Toluene
o-Xylene
p/m-Xylenes

Polychlorinated Biphenyls
PCB-1254

Organochlorine Pesticides
Aldrin
Chlordane
Dieldrin

Polycyclic Aromatic Hydrocarbons
1-Methylnaphthalene
2-Methylnaphthalene
Acenaphthene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Chrysene
Dibenzo(a,h)anthracene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Phenanthrene

Metals
Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Chromium, hexavalent
Cobalt
Copper
Lead
Mercury
Molybdenum
Selenium
Vanadium
Zinc

COCs exceeding CSLs in the shallow and deep soil samples are listed below:

Total Petroleum Hydrocarbons
C_6 to C_{10}
C_{10} to C_{22}
C_{22} to C_{36}

Volatile Organic Compounds
1,2,4-Trimethylbenzene
1,2-Dichloroethane
1,3,5-Trimethylbenzene
Benzene
Chloroform
Ethylbenzene
Isopropylbenzene
MTBE
Naphthalene
Tertiary butyl alcohol
Toluene
o-Xylene
p/m-Xylenes

Polycyclic Aromatic Hydrocarbons
1-Methylnaphthalene
2-Methylnaphthalene
Acenaphthene
Benzo(a)anthracene
Fluorene
Naphthalene
Phenanthrene

Metals
Chromium
Chromium, hexavalent
Lead
Vanadium

COCs exceeding CSLs in under-structure soil samples are listed below:

Total Petroleum Hydrocarbons
C_6 to C_{10}
C_{10} to C_{22}
C_{22} to C_{36}

Volatile Organic Compounds
1,2,4-Trimethylbenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3,5-Trimethylbenzene
Benzene
Chloroform
Ethylbenzene
Isopropylbenzene
MTBE
Naphthalene
Tertiary butyl alcohol
Toluene

Polycyclic Aromatic Hydrocarbons
1-Methylnaphthalene
2-Methylnaphthalene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Chrysene
Dibenzo(a,h)anthracene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Phenanthrene

Metals
Chromium
Chromium, hexavalent

Volatile Organic Compounds
o-Xylene
p/m-Xylenes

Polychlorinated Biphenyls
PCB-1254

Metals
Copper
Lead
Mercury
Molybdenum
Thallium
Vanadium

Petroleum products formerly produced at the refinery were a mixture of many chemicals. Common chemicals in petroleum hydrocarbons that were detected during the site investigation at concentrations above CSLs include: benzene, toluene, ethylbenzene, xylenes, MTBE, 1,3,5-TMB, 1,2,4-TMB, sec-butylbenzene, n-propylbenzene, fluorene, and naphthalene. Each chemical behaves differently in response to time of release, weathering, and degradation processes over time, with some chemicals being relatively undegradable (e.g., o-xylene, m-xylene, and ethylbenzene) or relatively degradable (e.g., p-xylene, toluene, naphthalene, and benzene). This may result in some chemicals being more frequently detected.

14. Recommendations

The site investigations performed to-date have provided sufficient data to delineate the extent and nature of the impacted surface, shallow, and deep soils at the Site. However, there are still few locations where sampling was not possible due to limited access by existing structures. Therefore, additional soil sampling will be necessary to to close the data gaps discussed in Section 12.3. This will include soil sampling following removal of the ASTs and processing units in the West Tank Farm. In addition, sampling of the storm water basins should be conducted when the water is no longer present.

A Baseline Human Health Risk Assessment (BHHRA) is currently being prepared using the soil data collected during this investigation as well as soil and soil gas data from 2005 to 2006 and groundwater data from 2007 to 2009. The objectives of the BHHRA are to:

- Evaluate potential human health hazards and risks associated with site-related constituents of potential concern (COPCs) detected in surface soil, subsurface soil, soil gas, and groundwater

- Delineate areas of the site that will not require additional investigation or remediation

- Establish site-specific, risk-based remediation goals for specific areas of the site where COPCs exceed risk-based levels of potential concern.

Following completion of the BHHRA, a Remedial Action Plan (RAP) will be prepared. The RAP will define Site areas for remediation and provide a focused evaluation of suitable remedial alternatives in which excavation and offsite disposal and soil vapor extraction (SVE) will be identified as well suited for remediation of the Site. This evaluation will be based on generally accepted industry methods and practices for the remediation of impacted shallow soil and VOC-impacted deep soil and groundwater.

15. References

ARCADIS. 2003. *Bloomfield Remedial Investigation, Former CENCO Refinery Site, Santa Fe Springs, California.* Prepared for the SARES-REGIS Group, Commercial Investment Division, Irvine, California. November 6.

ARCADIS. 2008. Letter from Ms. Leah M. Levy, Project Scientist, to Mr. Don Indermill, California Regional Water Quality Control Board, Los Angeles Region, re: Deep Soil Investigation Sampling and Analysis Program, Former CENCO Refinery, 12345 Lakeland Road, Santa Fe Springs, California, SLIC No. 318, Site ID 2040071. ARCADIS U.S., Inc. January 11.

ARCADIS. 2009. *First Quarter 2009 Groundwater Monitoring Report, Former CENCO Refinery, 12345 Lakeland Road, Santa Fe Springs, California.* Prepared for Isola Law Group, LLP. March.

ARCADIS BBL. 2007a. *Supplemental Soil Investigation Workplan, Former CENCO Refinery, 12345 Lakeland Road, Santa Fe Springs, California.* Prepared for Isola & Ruiz, LLP. August 31.

ARCADIS BBL. 2007b. *Health and Safety Plan, Former CENCO Refinery, Santa Fe Springs, California.* October 18.

BBL. 2006. *Additional Soil Investigation Report, Former CENCO Refinery, 12345 Lakeland Road, Santa Fe Springs, California.* Prepared for Isola & Associates, LLP. Blasland, Bouck & Lee, Inc., an ARCADIS company. August.

Bradford, G.R., A.C. Chang, A.L. Page, D. Bakhtar, J.A. Frampton, and H. Wright. 1996. *Background Concentrations of Trace and Major Elements in California Soils.* Kearney Foundation of Soil Science Special Report, Division of Agriculture and Natural Resources, University of California. Available online at http://www.envisci.ucr.edu/downloads/chang/kearney/kearneytext.html. March.

California Division of Mines and Geology. 1999. *Geologic Map of the Whittier Quadrangle 7.5 Minute Topographic Map, Los Angeles and Orange Counties, California.* Version 1.0.

Cal/EPA. 2005. *Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties.* Available online at http://

www.calepa.ca.gov/brownfields/documents/2005/CHHSLsGuide.pdf. California Environmental Protection Agency. January.

CVRWQCB. 1989. *The Designated Level Methodology for Waste Classification and Cleanup Level Determination.* Available online at http://www.swrcb.ca.gov/rwqcb5/plans_policies/guidance/dlm.pdf. California Regional Water Quality Control Board, Central Valley Region. Originally published in October 1986. Revised in June.

Department of Toxic Substances Control. 1997. *Selecting Inorganic Constituents as Chemicals of Potential Concern at* (sic) *Risk Assessments at Hazardous Waste Sites and Permitted Facilities.* Final Policy. Human and Ecological Risk Division. Available online at http://www.dtsc.ca.gov/AssessingRisk/upload/Backgrnd.pdf. February.

DWR. 1961. *Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County, Appendix A: Groundwater Geology.* California Department of Water Resources, Southern District. June.

DWR. 2001. *Watermaster Service in the Central Basin, Los Angeles County, July 1, 2000 – June 30, 2001*. California Department of Water Resources, Southern District. October.

Haley & Aldrich. 2005. *Additional Site Investigation Work Plan, CENCO Refining Company.* Haley & Aldrich, Inc. May 9.

Hunter, P.G., B. Davis, and F. Roach. 2005. *Inorganic Chemicals in Ground Water and Soil: Background Concentrations at California Air Force Bases.* Presented at the 44th Annual Meeting of the Society of Toxicology, New Orleans, Louisiana. Available online at http://www.dtsc.ca.gov/AssessingRisk/upload/Metals_Handout.pdf. March 10.

IT Corporation. 1985. *Revised Plan for Investigation and Site Assessment for Potential Subsurface Pollution at, Powerine Oil Refinery, Santa Fe Springs, California.* IT Corporation. July.

IT. 1986. *Progress Report, Mitigation Investigation and Feasibility Study for Ground Water, Powerine Oil Refinery, Santa Fe Springs, California.* IT Corporation. August.

LARWQCB. 1996. *Interim Site Assessment and Cleanup Guidebook.* Available online at http://www.swrcb.ca.gov/rwqcb4/water_issues/programs/remediation/may1996_voc_guidance.shtml. California Regional Water Quality Control Board, Los Angeles Region. May.

LARWQCB. 2005. Letter from Mr. Dixon A. Oriola, Unit Chief, Spills, Leaks, Investigation and Cleanup II Unit, to Mr. Michael Barranco, CENCO Refining Company, re: Additional Site Investigation Work Plan, CENCO Refinery, 12345 Lakeland Road, Santa Fe Springs (SLIC No. 318, Site ID 2040071). California Regional Water Quality Control Board, Los Angeles Region. September 15.

LARWQCB. 2007. Letter from Mr. Jonathan S. Bishop, Executive Officer, to Mr. Michael Barranco, CENCO Refinery Company, re: Requirement for Technical Reports (Workplans) Pursuant to California Water Code (CWC) Section 13267, CENCO Refinery, 12345 Lakeland Road, Santa Fe Springs, California (SLIC Case No. 0318, SLIC ID No. 2040071, CAO 97-118). California Regional Water Quality Control Board, Los Angeles Region. April 3.

LARWQCB. 2008a. Letter from Ms. Tracy J. Egoscue, Executive Officer, to Mr. Michael Barranco, CENCO Refinery Company, re: Conditional Approval of Workplans for Soil Gas Survey, Free Phase Petroleum Hydrocarbon Investigation, Supplemental Soil Investigation, and Baseline Risk Assessment, CENCO Refinery, 12345 Lakeland Road, Santa Fe Springs, California (Site Cleanup Program Case No. 0318, Site ID No. 2040071, CAO 97-118). California Regional Water Quality Control Board, Los Angeles Region. January 11.

LARWQCB. 2008b. Electronic Mail from Mr. Don Indermill, PG, Engineering Geologist D, SLIC II, to Ms. Leah M. Levy, ARCADIS, re: Revised SAP Approval. January 23.

Lawrence Berkeley National Laboratory. 1995. *Protocol for Determining Background Concentrations of Metals in Soil at Lawrence Berkeley National Laboratory.* Environmental Restoration Program, University of California, Berkeley. August.

SFRWQCB. 2008. *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater.* Interim Final. Available online at http://www.swrcb.ca.gov/rwqcb2/water_issues/available_documents/ESL_May_2008.pdf. California Regional Water Quality Control Board, San Francisco Bay Region. Originally published in November 2007. Revised in May.

USEPA. 1999. *USEPA Contract Laboratory Program, National Functional Guidelines for Organic Data Review.* OSWER 9240.1-05A-P. EPA 540/R-99/008. Available online at http://www.epa.gov/superfund/programs/clp/download/fgorg.pdf. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, Washington, D.C. October.

USEPA. 2001.*Draft Region 9 Superfund Data Evaluation/Validation Guidance.* R9QA/006.1, Version 1. Available online at http://www.epa.gov/region09/qa/pdfs/data_validation_guidance.pdf. U.S. Environmental Protection Agency, Quality Assurance Office, San Francisco, California. December.

USEPA. 2004a. *USEPA Contract Laboratory Program, National Functional Guidelines for Inorganic Data Review: Final.* OSWER 9240.1-45. EPA 540-R-04-004. Available online at http://www.epa.gov/superfund/programs/clp/download/inorgfg10-08-04.pdf. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation, Washington, D.C. October.

USEPA. 2004b. *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods.* USEPA SW-846, 6th Edition. U.S. Environmental Protection Agency. November.

USEPA. 2008. Regional Screening Levels for Chemical Contaminants at Superfund Sites. Available online at http://www.epa.gov/region09/superfund/prg. U.S. Environmental Protection Agency. September.

Versar. 2000. *Revised Master Workplan, CENCO Refining Company, Santa Fe Springs, California.* Versar, Inc. January.

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SANTA FE SPRINGS, CALIFORNIA

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S001	12/4/2007	0.5	X	X	X	X	X				
S002	12/4/2007	0.5	X	X	X	X	X				
S003	12/20/2007	0.5	X	X	X	X	X			X	
S004	1/4/2008	0.5	X	X	X	X	X				
	1/4/2008	1.5	X	X	X	X	X				
S005	12/18/2007	0.5	X	X	X	X	X				
S006	12/17/2007	0.5	X	X	X	X	X				
	12/17/2007	1.5	X	X	X	X	X				
S007	12/17/2007	0.5	X	X	X	X	X				
S008	12/17/2007	0.5	X	X	X	X	X				
S009	12/17/2007	0.5	X	X	X	X	X				
	12/17/2007	1.5	X	X	X	X	X				VOCs, Lead
S010	1/19/2009	1	X	X	X	X	X				
S011	12/17/2007	0.5	X	X	X	X	X				
	12/17/2007	1.5	X	X	X	X	X				
S012	12/18/2007	0.5	X	X	X	X	X				
S013	1/4/2008	0.5	X	X	X	X	X				
S014	12/4/2007	0.5	X	X	X	X	X				
S015	12/4/2007	0.5	X	X	X	X	X				
S016	1/2/2008	0.5	X	X	X	X	X				
	1/2/2008	1.5	X	X	X	X	X				
S017	12/4/2007	0.5	X	X	X	X	X			X	
S018	12/20/2007	0.5	X	X	X	X	X		X		PCBs, OCPs
S019	12/18/2007	0.5	X	X	X	X	X				
S020	12/18/2007	0.5	X	X	X	X	X				
	12/18/2007	1.5	X	X	X	X	X				
S021	1/19/2009	1	X	X	X	X	X			X	
S022	12/17/2007	0.5	X	X	X	X	X				
S023	12/17/2007	0.5	X	X	X	X	X				
S024	12/17/2007	0.5	X	X	X	X	X				
S025	12/18/2007	0.5	X	X	X	X	X				
	12/18/2007	1.5	X	X	X	X	X				
S026	12/18/2007	0.5	X	X	X	X	X				Lead
	12/18/2007	1.5	X	X	X	X	X				
S027	12/20/2007	0.5	X	X	X	X	X				
S028	12/4/2007	0.5	X	X	X	X	X				
S029	12/4/2007	0.5	X	X	X	X	X				
	12/4/2007	2	X	X	X	X	X				
S030	12/4/2007	1.5	X	X	X	X	X				
S031	12/4/2007	0.5	X	X	X	X	X				
S032	12/4/2007	0.5	X	X	X	X	X				
S033	12/4/2007	0.5	X	X	X	X	X				
S034	12/4/2007	0.5	X	X	X	X	X				
S035	12/4/2007	0.5	X	X	X	X	X				
S036	12/4/2007	0.5	X	X	X	X	X				
S037	12/4/2007	0.5	X	X	X	X	X				
	12/4/2007	2.167	X	X	X	X	X				
S038	12/20/2007	0.5	X	X	X	X	X				
S039	1/2/2008	0.5	X	X	X	X	X				
	1/2/2008	1.5	X	X	X	X	X				
S040	12/20/2007	0.5	X	X	X	X	X				
	12/20/2007	1.5	X	X	X	X	X				
S041	1/30/2008	0.5	X	X	X	X	X				

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S042	1/30/2008	0.5	X	X	X	X	X				
	1/30/2008	1.5	X	X	X	X	X				
S043	1/30/2008	0.5	X	X	X	X	X				
S044	12/20/2007	0.5	X	X	X	X	X			X	Lead, OCPs, VOCs
S045	12/20/2007	0.5	X	X	X	X	X				Lead
S046	12/20/2007	0.5	X	X	X	X	X				
S047	1/20/2009	1	X	X	X	X	X		X		
S048	1/7/2008	0.5	X	X	X	X	X	X			Lead, SVOCs
S049	1/20/2009	1	X	X	X	X	X				
S050	12/4/2007	0.5	X	X	X	X	X				
S051	12/20/2007	0.5	X	X	X	X	X			X	
S052	12/20/2007	0.5	X	X	X	X	X				
	12/20/2007	1.5	X	X	X	X	X				
S053	12/20/2007	0.5	X	X	X	X	X				
	12/20/2007	1.5	X	X	X	X	X				
S054	1/30/2008	0.5	X	X	X	X	X				
S055	1/30/2008	0.5	X	X	X	X	X				
	1/30/2008	1.5	X	X	X	X	X				
S056	1/30/2008	0.5	X	X	X	X	X				
	1/30/2008	1.5	X	X	X	X	X				
S057	1/30/2008	0.5	X	X	X	X	X				
S058	2/1/2008	0.5	X	X	X	X	X				
S059	2/1/2008	0.5	X	X	X	X	X				
	2/1/2008	1.5	X	X	X	X	X				
S060	12/13/2007	0.5	X	X	X	X	X			X	
	12/13/2007	2	X	X	X	X	X			X	
S061	12/13/2007	0.5	X	X	X	X	X				
S063	12/14/2007	0.5	X	X	X	X	X				
S064	12/14/2007	0.5	X	X	X	X	X			X	
	12/14/2007	2	X	X	X	X	X				VOCs, Lead
S065	2/1/2008	0.5	X	X	X	X	X				
	2/1/2008	1.5	X	X	X	X	X				
S066	12/14/2007	0.5	X	X	X	X	X				
S067	12/14/2007	0.5	X	X	X	X	X				
S068	12/13/2007	0.5	X	X	X	X	X			X	
S069	12/13/2007	0.5	X	X	X	X	X			X	
S070	12/13/2007	0.5	X	X	X	X	X				
S071	12/21/2007	1.5	X	X	X	X	X				
S072	12/4/2007	0.5	X	X	X	X	X				
S073	12/4/2007	0.5	X	X	X	X	X				
S074	12/4/2007	0.5	X	X	X	X	X				
S075	12/4/2007	0.5	X	X	X	X	X				
S076	1/22/2009	1	X	X	X	X	X				
S078	2/1/2008	0.5	X	X	X	X	X				
	2/1/2008	1.5	X	X	X	X	X				
S079	2/1/2008	0.5	X	X	X	X	X				
S080	2/1/2008	0.5	X	X	X	X	X				
S081	2/1/2008	0.5	X	X	X	X	X			X	
S082	12/13/2007	0.5	X	X	X	X	X				
S083	12/13/2007	0.5	X	X	X	X	X				
	12/13/2007	1.75	X	X	X	X	X				
S084	12/4/2007	0.5	X	X	X	X	X				

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S085	12/4/2007	0.5	X	X	X	X	X				Lead
S086	1/20/2009	1	X	X	X	X	X				
S087	12/13/2007	0.5	X	X	X	X	X			X	
S088	1/2/2008	0.5	X	X	X	X	X				
S089	1/2/2008	0.5	X	X	X	X	X		X		
S090	12/13/2007	0.5	X	X	X	X	X				
	12/13/2007	2	X	X	X	X	X				
S091	2/1/2008	0.5	X	X	X	X	X				
S092	12/13/2007	0.5	X	X	X	X	X				
S093	12/4/2007	0.5	X	X	X	X	X				
S094	12/4/2007	0.5	X	X	X	X	X				
S095	12/4/2007	0.5	X	X	X	X	X				
S096	12/4/2007	0.5	X	X	X	X	X			X	Lead
S097	1/20/2009	1	X	X	X	X	X				
S098	12/4/2007	0.5	X	X	X	X	X				
S099	12/13/2007	0.5	X	X	X	X	X				
S100	12/13/2007	0.5	X	X	X	X	X			X	
S101	12/13/2007	0.5	X	X	X	X	X				
S102	12/13/2007	0.5	X	X	X	X	X				
	12/13/2007	1.75	X	X	X	X	X				
S103	1/3/2008	0.5	X	X	X	X	X		X		
	1/3/2008	1.5	X	X	X	X	X		X		
S104	1/29/2008	0.5	X	X	X	X	X				
S015	1/31/2008	0.5	X	X	X	X	X				
S106	1/22/2009	1.5	X	X	X	X	X				
	1/22/2009	1	X	X	X	X	X				
S107	12/20/2007	0.5	X	X	X	X	X				
S108	12/20/2007	0.5	X	X	X	X	X			X	
S109	1/31/2008	0.5	X	X	X	X	X				
	1/31/2008	1.5	X	X	X	X	X				
S110	1/22/2009	1	X	X	X	X	X				
S111	12/21/2007	0.5	X	X	X	X	X				
	12/21/2007	1.5	X	X	X	X	X				
S112	1/22/2009	1	X	X	X	X	X				
S113	1/31/2008	0.5	X	X	X	X	X		X		
	1/31/2008	1.5	X	X	X	X	X		X		
S114	1/29/2008	0.5	X	X	X	X	X				
S115	1/29/2008	0.5	X	X	X	X	X			X	
S116	1/29/2008	0.5	X	X	X	X	X				
S117	1/31/2008	0.5	X	X	X	X	X				
	2/1/2008	1.5	X	X	X	X	X				
S118	1/22/2009	1	X	X	X	X	X				
S119	1/4/2008	0.5	X	X	X	X	X				
	1/4/2008	1.5	X	X	X	X	X				
S120	1/4/2008	0.5	X	X	X	X	X				
S121	1/4/2008	0.5	X	X	X	X	X				
	1/4/2008	1.5	X	X	X	X	X				
S122	1/29/2008	0.5	X	X	X	X	X				
S123	11/29/2007	0.5	X	X	X	X	X	X			
S124	11/29/2007	0.5	X	X	X	X	X				
S125	1/29/2008	0.5	X	X	X	X	X				
S126	1/7/2008	0.5	X	X	X	X	X				VOCs, Lead, PCBs, OCPs
	1/7/2008	1.5	X	X	X	X	X		X		

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S127	2/1/2008	0.5	X	X	X	X	X				
S130	1/7/2008	0.5	X	X	X	X	X				
	1/7/2008	1.5	X	X	X	X	X				
S131	1/7/2008	0.5	X	X	X	X	X				
S132	1/3/2008	0.5	X	X	X	X	X				
S133	11/29/2007	0.5	X	X	X	X	X				
	11/29/2007	1.5	X	X	X	X	X				
S134	1/7/2008	0.5	X	X	X	X	X		X		
S135	1/19/2009	1	X	X	X	X	X				
S136	11/29/2007	0.5	X	X	X	X	X				
	11/29/2007	2.5	X	X	X	X	X				
S137	11/29/2007	0.5	X	X	X	X	X				Lead
S138	11/29/2007	0.5	X	X	X	X	X				
	11/29/2007	2	X	X	X	X	X				
S139	11/29/2007	1.5	X	X	X	X	X				
	11/29/2007	2.5	X	X	X	X	X				
S140	11/29/2007	1.5	X	X	X	X	X				
S141	1/7/2008	0.5	X	X	X	X	X				
	1/7/2008	1.5	X	X	X	X	X				
S142	1/7/2008	0.5	X	X	X	X	X				
S143	1/7/2008	0.5	X	X	X	X	X				
S144	1/31/2008	0.5	X	X	X	X	X	X			
	1/31/2008	1.5	X	X	X	X	X	X			
S145	1/7/2008	0.5	X	X	X	X	X				VOCs, Lead, SVOCs
	1/7/2008	1.5	X	X	X	X	X				
S146	11/29/2007	0.5	X	X	X	X	X			X	
S147	11/29/2007	1.5	X	X	X	X	X				
S148	11/29/2007	0.5	X	X	X	X	X			X	
S149	11/29/2007	1.5	X	X	X	X	X			X	
S150	11/29/2007	1.5	X	X	X	X	X				
S151	11/29/2007	1.5	X	X	X	X	X				
S152	11/29/2007	0.5	X	X	X	X	X				
S153	11/29/2007	0.5	X	X	X	X	X				
S154	11/29/2007	0.5	X	X	X	X	X			X	
S155	11/29/2007	0.5	X	X	X	X	X				
S156	1/7/2008	0.5	X	X	X	X	X				
S157	1/2/2008	0.5	X	X	X	X	X				
S158	12/17/2007	0.5	X	X	X	X	X	X			
	12/17/2007	1.5	X	X	X	X	X	X			
S159	12/17/2007	0.5	X	X	X	X	X	X			
S160	1/7/2008	0.5	X	X	X	X	X				Lead
S161	11/29/2007	0.5	X	X	X	X	X				
S162	11/29/2007	1.5	X	X	X	X	X			X	
	11/29/2007	2.5	X	X	X	X	X			X	
S163	11/29/2007	0.5	X	X	X	X	X			X	
S164	11/29/2007	0.5	X	X	X	X	X				
S165	11/29/2007	0.5	X	X	X	X	X				
S166	11/29/2007	0.5	X	X	X	X	X				
S167	11/29/2007	0.5	X	X	X	X	X				
S168	11/29/2007	0.5	X	X	X	X	X				
S169	11/29/2007	0.5	X	X	X	X	X				
S170	1/7/2008	0.5	X	X	X	X	X				
S171	12/17/2007	0.5	X	X	X	X	X				
	12/17/2007	1.5	X	X	X	X	X				

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S172	12/17/2007	0.5	X	X	X	X	X			X	OCPs
S173	12/17/2007	0.5	X	X	X	X	X				
S174	12/14/2007	0.5	X	X	X	X	X				
S175	1/7/2008	0.5	X	X	X	X	X				
	1/31/2008	0.5	X	X	X	X	X				
S176	11/28/2007	0.5	X	X	X	X	X				
S177	11/28/2007	0.5	X	X	X	X	X				
S178	11/28/2007	0.5	X	X	X	X	X				
S179	11/28/2007	0.5	X	X	X	X	X				
S180	11/28/2007	0.5	X	X	X	X	X				
S181	1/31/2008	0.5	X	X	X	X	X				
S182	12/14/2007	0.5	X	X	X	X	X				
S183	12/17/2007	0.5	X	X	X	X	X				
S184	12/14/2007	0.5	X	X	X	X	X				
S185	1/19/2009	1	X	X	X	X	X			X	
S186	1/31/2008	0.5	X	X	X	X	X				
S187	1/4/2008	0.5	X	X	X	X	X			X	
S188	11/26/2007	0.5	X	X	X	X	X				
S189	11/26/2007	0.5	X	X	X	X	X				
S190	11/26/2007	0.5	X	X	X	X	X				
S191	11/26/2007	0.5	X	X	X	X	X			X	
S192	11/26/2007	0.5	X	X	X	X	X				
S193	11/26/2007	0.5	X	X	X	X	X				
S194	11/26/2007	0.5	X	X	X	X	X				
S195	11/26/2007	0.5	X	X	X	X	X				
S196	11/26/2007	0.5	X	X	X	X	X				
	11/26/2007	2	X	X	X	X	X				
S197	11/26/2007	0.5	X	X	X	X	X				
S198	11/26/2007	0.5	X	X	X	X	X				
S199	11/26/2007	1.5	X	X	X	X	X				
	11/26/2007	2.5	X	X	X	X	X				
S200	11/26/2007	0.5	X	X	X	X	X				
S201	11/26/2007	0.5	X	X	X	X	X				
	11/26/2007	2	X	X	X	X	X				
S202	11/28/2007	0.5	X	X	X	X	X			X	
S203	11/28/2007	0.5	X	X	X	X	X				
S204	11/28/2007	0.5	X	X	X	X	X				
S205	11/28/2007	0.5	X	X	X	X	X				
S206	11/28/2007	0.5	X	X	X	X	X			X	
S207	11/28/2007	0.5	X	X	X	X	X				
S208	11/26/2007	0.5	X	X	X	X	X				
S209	11/26/2007	0.5	X	X	X	X	X			X	
S210	11/26/2007	0.5	X	X	X	X	X				
S211	11/26/2007	0.5	X	X	X	X	X				
S212	11/26/2007	0.5	X	X	X	X	X				
S213	11/28/2007	0.5	X	X	X	X	X				
S214	11/28/2007	0.5	X	X	X	X	X				
S215	11/28/2007	0.5	X	X	X	X	X			X	
S216	11/28/2007	0.5	X	X	X	X	X				
S217	11/28/2007	0.5	X	X	X	X	X			X	
S218	11/28/2007	0.5	X	X	X	X	X				
S219	11/28/2007	0.5	X	X	X	X	X				
S220	11/28/2007	0.5	X	X	X	X	X				
S221	11/28/2007	0.5	X	X	X	X	X				
S222	11/28/2007	0.5	X	X	X	X	X				
S223	11/28/2007	0.5	X	X	X	X	X				

TABLE 1
SUMMARY OF SURFACE SOIL ANALYSES

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Location ID	Date Collected	Sample Depth (feet bgs)	VOCs (USEPA Method 8260B/5035 Prep)	PAHs (USEPA Method 8270C-SIM)	Hydrocarbons (USEPA Method 8015 Modified)	Moisture Content (ASTM D2216)	Title 22 Metals (USEPA Methods 6010B/7071A/ 7470A)	Hexavalent Chromium (USEPA Methods 7199)	PCBs (USEPA Method 8082)	OCPs (USEPA Method 8081A)	TCLP
S224	11/28/2007	0.5	X	X	X	X	X				Lead
S225	11/28/2007	0.5	X	X	X	X	X				
S226	11/28/2007	0.5	X	X	X	X	X				
S227	11/29/2007	0.5	X	X	X	X	X	X			
S228	11/28/2007	0.5	X	X	X	X	X				
S229	11/28/2007	0.5	X	X	X	X	X			X	
S230	11/28/2007	0.5	X	X	X	X	X				
	11/28/2007	1.5	X	X	X	X	X				
S231	11/28/2007	0.5	X	X	X	X	X				
S232	11/28/2007	0.5	X	X	X	X	X				
S233	11/28/2007	0.5	X	X	X	X	X			X	Lead
S234	11/28/2007	0.5	X	X	X	X	X				
S235	11/28/2007	0.5	X	X	X	X	X				
S236	11/28/2007	0.5	X	X	X	X	X				
S237	11/29/2007	0.5	X	X	X	X	X	X			
S238	1/28/2008	0.5	X	X	X	X	X				
S239	1/28/2008	0.5	X	X	X	X	X				
	1/30/2008	1.5	X	X	X	X	X				
S240	1/20/2009	1	X	X	X	X	X				
S241	1/20/2009	1	X	X	X	X	X				
S242	1/29/2008	0.5	X	X	X	X	X				
S243	1/29/2008	0.5	X	X	X	X	X			X	
S244	1/28/2008	0.5	X	X	X	X	X			X	
S245	1/28/2008	0.5	X	X	X	X	X				
S246	1/29/2008	0.5	X	X	X	X	X				
S247	1/29/2008	0.5	X	X	X	X	X				
S248	1/28/2008	0.5	X	X	X	X	X				
S249	1/28/2008	0.5	X	X	X	X	X				
S250	1/28/2008	0.5	X	X	X	X	X				
	1/30/2008	1.5	X	X	X	X	X				
S251	1/28/2008	0.5	X	X	X	X	X				
	1/20/2009	1	X	X	X	X	X				
S252	1/29/2008	0.5	X	X	X	X	X			X	
S253	1/29/2008	0.5	X	X	X	X	X				
S254	1/29/2008	0.5	X	X	X	X	X				
	1/30/2008	1.5	X	X	X	X	X				
S255	1/29/2008	0.5	X	X	X	X	X				
S256	1/31/2008	0.5	X	X	X	X	X				
S257	1/3/2008	0.5	X	X	X	X	X			X	
S258	1/3/2008	0.5	X	X	X	X	X			X	
S259	1/31/2008	0.5	X	X	X	X	X				
S260	1/3/2008	0.5	X	X	X	X	X				
S261	12/21/2007	0.5	X	X	X	X	X				
S262	12/13/2007	0.5	X	X	X	X	X			X	
S263	2/1/2008	0.5	X	X	X	X	X				
S264	1/3/2008	0.5	X	X	X	X	X				
	1/3/2008	1.5	X	X	X	X	X				
S265	1/20/2009	1	X	X	X	X	X				
S266	12/14/2007	0.5	X	X	X	X	X				
S267	1/4/2008	0.5	X	X	X	X	X				
S268	1/2/2008	0.5	X	X	X	X	X				
	1/2/2008	1.5	X	X	X	X	X				
S269	12/4/2007	0.5	X	X	X	X	X				
S270	12/17/2007	0.5	X	X	X	X	X				
S271	1/4/2008	0.5	X	X	X	X	X				
S272	11/28/2007	0.5	X	X	X	X	X				

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Location ID	Date Collected	Sample Depth (feet bgs)	VOCs (USEPA Method 8260B/5035 Prep)	PAHs (USEPA Method 8270C-SIM)	Hydrocarbons (USEPA Method 8015 Modified)	Moisture Content (ASTM D2216)	Title 22 Metals (USEPA Methods 6010B/7071A/ 7470A)	Hexavalent Chromium (USEPA Methods 7199)	PCBs (USEPA Method 8082)	OCPs (USEPA Method 8081A)	TCLP
S273	11/28/2007	0.5	X	X	X	X	X				
S274	11/29/2007	0.5	X	X	X	X	X				
	11/29/2007	1.5	X	X	X	X	X				
S275	11/29/2007	0.5	X	X	X	X	X			X	
	11/29/2007	1.5	X	X	X	X	X			X	
S276	11/29/2007	0.5	X	X	X	X	X				
S277	1/31/2008	0.5	X	X	X	X	X			X	
S278	1/31/2008	0.5	X	X	X	X	X				
S279	12/20/2007	0.5	X	X	X	X	X				
	12/20/2007	1.5	X	X	X	X	X				
S280	1/3/2008	0.5	X	X	X	X	X		X		Lead, SVOCs
S281	2/1/2008	0.5	X	X	X	X	X				
S282	1/20/2009	1.5	X	X	X	X	X				
	1/20/2009	1	X	X	X	X	X				
S283	1/29/2008	0.5	X	X	X	X	X				
S284	1/29/2008	0.5	X	X	X	X	X				
	1/30/2008	1.5	X	X	X	X	X				
S285	11/28/2007	0.5	X	X	X	X	X			X	
S286	11/26/2007	0.5	X	X	X	X	X				
S287	11/26/2007	0.5	X	X	X	X	X				
	11/26/2007	1.5	X	X	X	X	X				
S288	11/26/2007	0.5	X	X	X	X	X				
S289	11/26/2007	0.5	X	X	X	X	X				
S290	11/26/2007	0.5	X	X	X	X	X				
S291	1/7/2008	0.5	X	X	X	X	X				
S292	1/19/2009	1	X	X	X	X	X				
S293	11/26/2007	0.5	X	X	X	X	X			X	
	11/26/2007	2.5	X	X	X	X	X				
S294	11/26/2007	0.5	X	X	X	X	X				
S295	11/26/2007	1	X	X	X	X	X				
S296	11/28/2007	0.5	X	X	X	X	X				
	11/28/2007	2	X	X	X	X	X				
S297	1/20/2009	1.5	X	X	X	X	X				
	1/20/2009	1	X	X	X	X	X				
S298	12/4/2007	0.5	X	X	X	X	X				

NOTES

API = American Petroleum Institute
ASTM = Americal Society for Testing and Materials
bgs = below ground surface
OCPs = organochlorine pesticides
PAHs = polycyclic aromatic hydrocarbons
PCBs = polychlorinated biphenyls
SPLP = synthetic precipitation leaching procedure
TCLP = toxicity characteristic leaching procedure
TOC = total organic carbon
USEPA = United States Environmental Protection Agency
VOCs = volatile organic compounds

TABLE 2
SUMMARY OF DEEP AND UNDER-STRUCTURE SOIL ANALYSES

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Location ID	Date Collected	Approximate Sample Depth[1] (feet bgs)	VOCs (USEPA Method 8260B/5035 Prep)	PAHs (USEPA Method 8270C-SIM)	Hydrocarbons (USEPA Method 8015 Modified)	Moisture Content (ASTM D2216)	Title 22 Metals (USEPA Methods 6010B/7071A/7470A)	Hexavalent Chromium (USEPA Method 7199)	Air Permeability (API RP40)	Bulk Density (ASTM D2937)	Grain-Size Distribution (ASTM D422/4464M)	Hydraulic Conductivity (ASTM D5084)	TOC (Walkley-Black)	PCBs (USEPA Method 8082)	OCPs (USEPA Method 8081A)	TCLP	SPLP
DEEP SOIL BORINGS																	
B224	1/21/2008	5	X	X	X	X									X		
	1/21/2008	10	X	X	X	X											
	1/21/2008	30	X	X	X	X											
	1/21/2008	50	X	X	X	X											
	1/21/2008	70	X	X	X	X											
	1/21/2008	90	X	X	X	X											
B225	1/21/2008	5	X	X	X	X											
	1/21/2008	10	X	X	X	X											
	1/21/2008	30	X	X	X	X											
	1/21/2008	50	X	X	X	X											
	1/21/2008	70	X	X	X	X											
	1/21/2008	90	X	X	X	X											
B226	1/18/2008	5	X	X	X	X											
	1/18/2008	10	X	X	X	X											
	1/18/2008	30	X	X	X	X											
	1/18/2008	50	X	X	X	X											
	1/18/2008	70	X	X	X	X											
	1/18/2008	90	X	X	X	X											
B227	1/21/2008	5	X	X	X	X										Lead, VOCs	Lead, VOCs
	1/21/2008	10	X	X	X	X			X	X	X	X	X			Lead, VOCs	Lead, VOCs
	1/21/2008	30	X	X	X	X										Lead, VOCs	Lead, VOCs
	1/21/2008	50	X	X	X	X										Lead, VOCs	Lead, VOCs
	1/21/2008	70	X	X	X	X			X	X	X	X	X			Lead, VOCs	Lead, VOCs
	1/21/2008	90	X	X	X	X										Lead, VOCs	Lead, VOCs
B228	1/18/2008	5	X	X	X	X	X										
	1/18/2008	10	X	X	X	X											
	1/18/2008	30	X	X	X	X											
	1/18/2008	50	X	X	X	X											
	1/18/2008	70	X	X	X	X											
	1/18/2008	90	X	X	X	X											
B229	1/18/2008	5	X	X	X	X	X										
	1/18/2008	10	X	X	X	X											
	1/18/2008	30	X	X	X	X											
	1/18/2008	50	X	X	X	X											
	1/18/2008	70	X	X	X	X											
	1/18/2008	90	X	X	X	X											
B230	1/17/2008	5	X	X	X	X											
	1/17/2008	10	X	X	X	X											
	1/17/2008	30	X	X	X	X											
	1/17/2008	50	X	X	X	X											
	1/18/2008	70	X	X	X	X											
	1/18/2008	90	X	X	X	X											
B231	1/17/2008	5	X	X	X	X			X	X	X	X	X			VOCs	VOCs
	1/17/2008	10	X	X	X	X											
	1/17/2008	30	X	X	X	X											
	1/17/2008	50	X	X	X	X			X	X	X	X	X			VOCs	VOCs
	1/17/2008	70	X	X	X	X											
	1/17/2008	90	X	X	X	X											
B232	1/21/2008	5	X	X	X	X											
	1/21/2008	10	X	X	X	X			X	X	X	X	X			VOCs	VOCs
	1/21/2008	30	X	X	X	X											
	1/21/2008	50	X	X	X	X											
	1/21/2008	70	X	X	X	X											
	1/21/2008	90	X	X	X	X			X	X	X	X	X				
B233	1/23/2008	5	X	X	X	X											
	1/23/2008	10	X	X	X	X											
	1/23/2008	30	X	X	X	X											
	1/23/2008	50	X	X	X	X											
	1/23/2008	70	X	X	X	X											
	1/23/2008	90	X	X	X	X											

TABLE 2
SUMMARY OF DEEP AND UNDER-STRUCTURE SOIL ANALYSES

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

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B234	1/23/2008	5	X	X	X	X	X	X						X			
	1/23/2008	10	X	X	X	X											
	1/23/2008	20	X	X	X	X											
	1/23/2008	30	X	X	X	X											
	1/23/2008	40	X	X	X	X											
	1/23/2008	50	X	X	X	X											
	1/23/2008	60	X	X	X	X											
	1/23/2008	70	X	X	X	X											
	1/23/2008	80	X	X	X	X											
	1/23/2008	90	X	X	X	X											
B235	1/25/2008	5	X	X	X	X	X										
	1/25/2008	10	X	X	X	X											
	1/25/2008	30	X	X	X	X											
	1/25/2008	50	X	X	X	X											
	1/25/2008	70	X	X	X	X											
	1/25/2008	90	X	X	X	X											
B236	1/22/2008	5	X	X	X	X											
	1/22/2008	10	X	X	X	X											
	1/22/2008	20							X	X	X	X	X				
	1/22/2008	30	X	X	X	X											
	1/22/2008	40							X	X	X	X	X				
	1/22/2008	50	X	X	X	X											
	1/22/2008	70	X	X	X	X											
	1/22/2008	90	X	X	X	X											
B237	1/23/2008	5	X	X	X	X									X		
	1/23/2008	10	X	X	X	X											
	1/23/2008	30	X	X	X	X											
	1/23/2008	50	X	X	X	X											
	1/23/2008	70	X	X	X	X											
	1/23/2008	90	X	X	X	X											
B238	1/25/2008	5	X	X	X	X	X	X						X			
	1/25/2008	10	X	X	X	X											
	1/25/2008	20	X	X	X	X											
	1/25/2008	30	X	X	X	X											
	1/25/2008	40	X	X	X	X											
	1/25/2008	50	X	X	X	X											
	1/25/2008	60	X	X	X	X											
	1/25/2008	70	X	X	X	X											
	1/25/2008	80	X	X	X	X											
	1/25/2008	90	X	X	X	X											
B239	1/22/2008	5	X	X	X	X											
	1/22/2008	10	X	X	X	X											
	1/22/2008	30	X	X	X	X											
	1/22/2008	50	X	X	X	X											
	1/22/2008	70	X	X	X	X											
	1/22/2008	90	X	X	X	X											
B240	1/22/2008	5	X	X	X	X											
	1/22/2008	10	X	X	X	X											
	1/22/2008	30	X	X	X	X											
	1/22/2008	50	X	X	X	X											
	1/22/2008	70	X	X	X	X											
	1/22/2008	90	X	X	X	X											
B241	1/23/2008	5	X	X	X	X											
	1/23/2008	10	X	X	X	X			X	X	X	X	X			VOCs	VOCs
	1/23/2008	20	X	X	X	X											
	1/23/2008	30	X	X	X	X											
	1/23/2008	40	X	X	X	X											
	1/23/2008	50	X	X	X	X											
	1/23/2008	60	X	X	X	X											
	1/23/2008	70	X	X	X	X											
	1/23/2008	80	X	X	X	X											
	1/23/2008	90	X	X	X	X			X	X	X	X	X				

TABLE 2
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SANTA FE SPRINGS, CALIFORNIA

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B242	1/25/2008	5	X	X	X	X								X			
	1/25/2008	10	X	X	X	X											
	1/25/2008	20	X	X	X	X											
	1/25/2008	30	X	X	X	X											
	1/25/2008	40	X	X	X	X											
	1/25/2008	50	X	X	X	X											
	1/25/2008	60	X	X	X	X											
	1/25/2008	70	X	X	X	X											
	1/25/2008	80	X	X	X	X											
	1/25/2008	90	X	X	X	X											
B243	1/25/2008	5	X	X	X	X											
	1/25/2008	10	X	X	X	X											
	1/25/2008	30	X	X	X	X											
	1/25/2008	50	X	X	X	X											
	1/25/2008	60							X	X	X	X	X				
	1/25/2008	70	X	X	X	X											
	1/25/2008	80							X	X	X	X	X				
	1/25/2008	90	X	X	X	X											
UNDER-STRUCTURE BORINGS																	
B244	1/17/2008	5	X	X	X	X											
	1/17/2008	10	X	X	X	X											
	1/17/2008	20	X	X	X	X											
	1/17/2008	30	X	X	X	X											
	1/17/2008	40	X	X	X	X											
	1/17/2008	50	X	X	X	X											
	1/17/2008	60	X	X	X	X											
	1/17/2008	70	X	X	X	X											
	1/17/2008	80	X	X	X	X											
	1/17/2008	90	X	X	X	X											
B245	1/15/2008	5	X	X	X	X											
	1/15/2008	10	X	X	X	X											
	1/15/2008	20	X	X	X	X											
	1/15/2008	30	X	X	X	X											
	1/15/2008	40	X	X	X	X											
	1/15/2008	50	X	X	X	X											
	1/15/2008	60	X	X	X	X											
	1/15/2008	70	X	X	X	X											
	1/15/2008	80	X	X	X	X											
	1/15/2008	90	X	X	X	X											
B246	1/15/2008	5	X	X	X	X								X			
	1/15/2008	10	X	X	X	X											
	1/15/2008	20	X	X	X	X											
	1/15/2008	30	X	X	X	X											
	1/15/2008	40	X	X	X	X											
	1/15/2008	50	X	X	X	X											
	1/15/2008	60	X	X	X	X											
	1/15/2008	70	X	X	X	X											
	1/15/2008	80	X	X	X	X											
	1/15/2008	90	X	X	X	X											
B247	1/17/2008	5	X	X	X	X	X										
	1/17/2008	10	X	X	X	X											
	1/17/2008	20	X	X	X	X											
	1/17/2008	30	X	X	X	X											
	1/17/2008	40	X	X	X	X											
	1/17/2008	50	X	X	X	X											
	1/17/2008	60	X	X	X	X											
	1/17/2008	70	X	X	X	X											
	1/17/2008	80	X	X	X	X											
	1/17/2008	90	X	X	X	X											
B248	1/15/2008	5	X	X	X	X	X								X		
	1/15/2008	10	X	X	X	X											
	1/15/2008	20	X	X	X	X											
	1/15/2008	30	X	X	X	X											
	1/15/2008	40	X	X	X	X											
	1/15/2008	50	X	X	X	X											
	1/15/2008	60	X	X	X	X											
	1/15/2008	70	X	X	X	X											
	1/15/2008	80	X	X	X	X											
	1/15/2008	90	X	X	X	X											

TABLE 2
SUMMARY OF DEEP AND UNDER-STRUCTURE SOIL ANALYSES

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Location ID	Date Collected	Approximate Sample Depth[1] (feet bgs)	VOCs (USEPA Method 8260B/5035 Prep)	PAHs (USEPA Method 8270C-SIM)	Hydrocarbons (USEPA Method 8015 Modified)	Moisture Content (ASTM D2216)	Title 22 Metals (USEPA Methods 6010B/7071A/7470A)	Hexavalent Chromium (USEPA Method 7199)	Air Permeability (API RP40)	Bulk Density (ASTM D2937)	Grain-Size Distribution (ASTM D422/4464M)	Hydraulic Conductivity (ASTM D5084)	TOC (Walkley-Black)	PCBs (USEPA Method 8082)	OCPs (USEPA Method 8081A)	TCLP	SPLP
B249	1/14/2008	5	X	X	X	X											
	1/14/2008	10	X	X	X	X											
	1/14/2008	20	X	X	X	X											
	1/14/2008	30	X	X	X	X											
	1/14/2008	40	X	X	X	X											
	1/14/2008	50	X	X	X	X											
	1/14/2008	60	X			X											
	1/14/2008	70	X	X	X	X											
	1/14/2008	80	X	X	X	X											
	1/14/2008	90	X	X	X	X											
B250	1/16/2008	5	X	X	X	X	X	X									
	1/16/2008	10	X	X	X	X											
	1/16/2008	20	X	X	X	X											
	1/16/2008	30	X	X	X	X											
	1/16/2008	40	X	X	X	X											
	1/16/2008	50	X	X	X	X											
	1/16/2008	60	X	X	X	X											
	1/16/2008	70	X	X	X	X											
	1/16/2008	80	X	X	X	X											
	1/16/2008	90	X	X	X	X											
B251	1/16/2008	5	X	X	X	X	X										
	1/16/2008	10	X	X	X	X											
	1/16/2008	20	X	X	X	X											
	1/16/2008	30	X	X	X	X											
	1/16/2008	40	X	X	X	X											
	1/16/2008	50	X	X	X	X											
	1/16/2008	60	X	X	X	X											
	1/16/2008	70	X	X	X	X											
	1/16/2008	80	X	X	X	X											
	1/16/2008	90	X	X	X	X											
B252	1/15/2008	5	X	X	X	X											
	1/15/2008	10	X	X	X	X											
	1/15/2008	20	X	X	X	X											
	1/15/2008	30	X	X	X	X											
	1/15/2008	40	X	X	X	X											
	1/15/2008	50	X	X	X	X											
	1/15/2008	60	X	X	X	X											
	1/15/2008	70	X	X	X	X											
	1/15/2008	80	X	X	X	X											
	1/15/2008	90	X	X	X	X											
B253	1/31/2008	5	X	X	X	X								X			
	1/31/2008	10	X	X	X	X											
	1/31/2008	20	X	X	X	X											
	1/31/2008	30	X	X	X	X											
	1/31/2008	40	X	X	X	X											
	1/31/2008	50	X	X	X	X											
	1/31/2008	60	X	X	X	X											
	1/31/2008	70	X	X	X	X											
	1/31/2008	80	X	X	X	X											
	1/31/2008	90	X	X	X	X											
B254	2/5/2008	5	X	X	X	X											
	2/5/2008	10	X	X	X	X											
	2/5/2008	20	X	X	X	X											
	2/5/2008	30	X	X	X	X											
	2/5/2008	40	X	X	X	X											
	2/5/2008	50	X	X	X	X											
	2/5/2008	60	X	X	X	X											
	2/5/2008	70	X	X	X	X											
	2/5/2008	80	X	X	X	X											
	2/5/2008	90	X	X	X	X											

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SUMMARY OF DEEP AND UNDER-STRUCTURE SOIL ANALYSES

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Location ID	Date Collected	Approximate Sample Depth[1] (feet bgs)	VOCs (USEPA Method 8260B/5035 Prep)	PAHs (USEPA Method 8270C-SIM)	Hydrocarbons (USEPA Method 8015 Modified)	Moisture Content (ASTM D2216)	Title 22 Metals (USEPA Methods 6010B/7071A/7470A)	Hexavalent Chromium (USEPA Method 7199)	Air Permeability (API RP40)	Bulk Density (ASTM D2937)	Grain-Size Distribution (ASTM D422/4464M)	Hydraulic Conductivity (ASTM D5084)	TOC (Walkley-Black)	PCBs (USEPA Method 8082)	OCPs (USEPA Method 8081A)	TCLP	SPLP
B255	1/31/2008	5	X	X	X	X											
	1/31/2008	10	X	X	X	X											
	1/31/2008	20	X	X	X	X											
	1/31/2008	30	X	X	X	X											
	1/31/2008	40	X	X	X	X											
	1/31/2008	50	X	X	X	X											
	1/31/2008	60	X	X	X	X											
	1/31/2008	70	X	X	X	X											
	1/31/2008	80	X	X	X	X											
	1/31/2008	90	X	X	X	X											
B256	1/31/2008	5	X	X	X	X	X	X									
	1/31/2008	10	X	X	X	X											
	1/31/2008	20	X	X	X	X											
	1/31/2008	30	X	X	X	X											
	1/31/2008	40	X	X	X	X											
	1/31/2008	50	X	X	X	X											
	1/31/2008	60	X	X	X	X											
	1/31/2008	70	X	X	X	X											
	1/31/2008	80	X	X	X	X											
	1/31/2008	90	X	X	X	X											
B257	1/30/2008	5	X	X	X	X											
	1/30/2008	10	X	X	X	X											
	1/30/2008	20	X	X	X	X											
	1/30/2008	30	X	X	X	X											
	1/30/2008	40	X	X	X	X											
	1/30/2008	50	X	X	X	X											
	1/30/2008	60	X	X	X	X											
	1/30/2008	70	X	X	X	X											
	1/30/2008	80	X	X	X	X											
	1/30/2008	90	X	X	X	X											
B258	1/31/2008	5	X	X	X	X											
	1/31/2008	10	X	X	X	X											
	1/31/2008	20	X	X	X	X											
	1/31/2008	30	X	X	X	X											
	1/31/2008	40	X	X	X	X											
	1/31/2008	50	X	X	X	X											
	1/31/2008	60	X	X	X	X											
	1/31/2008	80	X	X	X	X											
	1/31/2008	90	X	X	X	X											
B259	2/1/2008	5	X	X	X	X											
	2/1/2008	10	X	X	X	X											
	2/1/2008	30	X	X	X	X											
	2/1/2008	40	X	X	X	X											
	2/1/2008	50	X	X	X	X											
	2/1/2008	60	X	X	X	X											
	2/1/2008	70	X	X	X	X											
	2/1/2008	80	X	X	X	X											
	2/1/2008	90	X	X	X	X											
B260	2/1/2008	5	X	X	X	X									X		
	2/1/2008	10	X	X	X	X											
	2/1/2008	20	X	X	X	X											
	2/1/2008	30	X	X	X	X											
	2/1/2008	40	X	X	X	X											
	2/1/2008	50	X	X	X	X											
	2/1/2008	60	X	X	X	X											
	2/1/2008	70	X	X	X	X											
	2/1/2008	80	X	X	X	X											
	2/1/2008	90	X	X	X	X											
B261	1/21/2009	5	X	X	X	X											
	1/21/2009	10	X	X	X	X											
	1/21/2009	20	X	X	X	X											
	1/21/2009	30	X	X	X	X											
	1/21/2009	40	X	X	X	X											
	1/21/2009	50	X	X	X	X											
	1/21/2009	60	X	X	X	X											
	1/21/2009	70	X	X	X	X											
	1/21/2009	80	X	X	X	X											
	1/21/2009	90	X	X	X	X											

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FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

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B262	1/29/2008	5	X	X	X	X	X										
	1/29/2008	10	X	X	X	X											
	1/29/2008	20	X	X	X	X											
	1/29/2008	30	X	X	X	X											
	1/29/2008	40	X	X	X	X											
	1/29/2008	50	X	X	X	X											
	1/29/2008	60	X	X	X	X											
	1/29/2008	70	X	X	X	X											
	1/29/2008	80	X	X	X	X											
	1/29/2008	90	X	X	X	X											
B263	2/4/2008	5	X	X	X	X											
	2/4/2008	10	X	X	X	X											
	2/4/2008	20	X	X	X	X											
	2/4/2008	30	X	X	X	X											
	2/4/2008	40	X	X	X	X											
	2/4/2008	50	X	X	X	X											
	2/4/2008	60	X	X	X	X											
	2/4/2008	70	X	X	X	X											
	2/4/2008	80	X	X	X	X											
	2/4/2008	90	X	X	X	X											
B264	1/15/2008	5	X	X	X	X											
	1/15/2008	10	X	X	X	X											
	1/15/2008	20	X	X	X	X											
	1/15/2008	30	X	X	X	X											
	1/15/2008	40	X	X	X	X											
B266	1/14/2008	5	X	X	X	X											
	1/14/2008	10	X	X	X	X											
	1/14/2008	20	X	X	X	X											
	1/14/2008	30	X	X	X	X											
	1/14/2008	40	X	X	X	X											
B267	1/15/2008	5	X	X	X	X											
	1/15/2008	10	X	X	X	X											
	1/15/2008	20	X	X	X	X											
	1/15/2008	30	X	X	X	X											
	1/15/2008	40	X	X	X	X											
B268	2/1/2008	5	X	X	X	X									X		
	2/1/2008	10	X	X	X	X											
	2/1/2008	20	X	X	X	X											
	2/1/2008	30	X	X	X	X											
	2/1/2008	40	X	X	X	X											
B270	1/20/2009	5	X	X	X	X	X										
	1/20/2009	10	X	X	X	X											
	1/20/2009	20	X	X	X	X											
	1/20/2009	30	X	X	X	X											
	1/20/2009	40	X	X	X	X											
B271	1/14/2008	5	X	X	X	X											
	1/14/2008	10	X	X	X	X											
	1/14/2008	20	X	X	X	X											
	1/14/2008	30	X	X	X	X											
	1/14/2008	40	X	X	X	X											
B272	1/14/2008	5	X	X	X	X											
	1/14/2008	10	X	X	X	X											
	1/14/2008	20	X	X	X	X											
	1/14/2008	30	X	X	X	X											
	1/14/2008	40	X	X	X	X											

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B274	1/14/2008	5	X	X	X	X											
	1/14/2008	10	X	X	X	X											
	1/14/2008	20	X	X	X	X											
	1/14/2008	30	X	X	X	X											
	1/14/2008	40	X	X	X	X											
B275	1/14/2008	5	X	X	X	X											
	1/14/2008	10	X	X	X	X											
	1/14/2008	20	X	X	X	X											
	1/14/2008	30	X	X	X	X											
	1/14/2008	40	X	X	X	X											
B276	2/4/2008	5	X	X	X	X	X	X									
	2/4/2008	10	X	X	X	X											
	2/4/2008	20	X	X	X	X											
	2/4/2008	30	X	X	X	X											
	2/4/2008	40	X	X	X	X											
B277	1/16/2008	5	X	X	X	X	X	X							X		
	1/16/2008	10	X	X	X	X											
	1/16/2008	20	X	X	X	X											
	1/16/2008	30	X	X	X	X											
	1/16/2008	40	X	X	X	X											
B278	1/16/2008	5	X	X	X	X	X										
	1/16/2008	10	X	X	X	X											
	1/16/2008	20	X	X	X	X											
	1/16/2008	30	X	X	X	X											
	1/16/2008	40	X	X	X	X											
B279	1/16/2008	5	X	X	X	X	X										
	1/16/2008	10	X	X	X	X											
	1/16/2008	20	X	X	X	X											
	1/16/2008	30	X	X	X	X											
	1/16/2008	40	X	X	X	X											
B280	1/16/2008	5	X	X	X	X											
	1/16/2008	10	X	X	X	X											
	1/16/2008	20	X	X	X	X											
	1/16/2008	30	X	X	X	X											
	1/16/2008	40	X	X	X	X											
B281	1/14/2008	5	X	X	X	X											
	1/14/2008	10	X	X	X	X											
	1/14/2008	20	X	X	X	X											
	1/14/2008	30	X	X	X	X											
	1/14/2008	40	X	X	X	X											
B282	1/28/2008	5	X	X	X	X											
	1/28/2008	10	X	X	X	X											
	1/28/2008	20	X	X	X	X											
	1/28/2008	30	X	X	X	X											
	1/28/2008	40	X	X	X	X											
B283	1/29/2008	5	X	X	X	X	X	X									
	1/29/2008	10	X	X	X	X											
	1/29/2008	20	X	X	X	X											
	1/29/2008	30	X	X	X	X											
	1/29/2008	40	X	X	X	X											
B284	1/28/2008	5	X	X	X	X	X	X									
	1/28/2008	10	X	X	X	X											
	1/28/2008	20	X	X	X	X											
	1/28/2008	30	X	X	X	X											
	1/28/2008	40	X	X	X	X											
B285	1/28/2008	5	X	X	X	X											
	1/28/2008	10	X	X	X	X											
	1/28/2008	20	X	X	X	X											
	1/28/2008	30	X	X	X	X											
	1/28/2008	40	X	X	X	X											
B286	1/22/2009	5	X	X	X	X											
	1/22/2009	10	X	X	X	X											
	1/22/2009	20	X	X	X	X											
	1/22/2009	30	X	X	X	X											
	1/22/2009	40	X	X	X	X											

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SANTA FE SPRINGS, CALIFORNIA

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B287	1/22/2008	5	X	X	X	X									X		
	1/22/2008	10	X	X	X	X											
	1/22/2008	20	X	X	X	X											
	1/22/2008	30	X	X	X	X											
	1/22/2008	40	X	X	X	X											
B288	1/17/2008	5	X	X	X	X											
	1/17/2008	10	X	X	X	X											
	1/17/2008	20	X	X	X	X											
	1/17/2008	30	X	X	X	X											
	1/17/2008	40	X	X	X	X											
B289	1/28/2008	5	X	X	X	X											
	1/28/2008	10	X	X	X	X											
	1/28/2008	20	X	X	X	X											
	1/28/2008	30	X	X	X	X											
	1/28/2008	40	X	X	X	X											
B290	1/28/2008	5	X	X	X	X											
	1/28/2008	10	X	X	X	X											
	1/28/2008	20	X	X	X	X											
	1/28/2008	30	X	X	X	X											
	1/28/2008	40	X	X	X	X											
B291	1/29/2008	10	X	X	X	X											
	1/29/2008	20	X	X	X	X											
	1/29/2008	30	X	X	X	X											
	1/29/2008	40	X	X	X	X											
B292	1/22/2009	5	X	X	X	X											
	1/22/2009	10	X	X	X	X											
	1/22/2009	20	X	X	X	X											
	1/22/2009	30	X	X	X	X											
	1/22/2009	40	X	X	X	X											
B293	1/22/2009	5	X	X	X	X								X			
	1/22/2009	10	X	X	X	X											
	1/22/2009	20	X	X	X	X											
	1/22/2009	30	X	X	X	X											
	1/22/2009	40	X	X	X	X											
B294	1/31/2008	5	X	X	X	X	X							X	X		
	1/31/2008	10	X	X	X	X											
	1/31/2008	20	X	X	X	X											
	1/31/2008	30	X	X	X	X											
	1/31/2008	40	X	X	X	X											
B295	1/22/2009	5	X	X	X	X								X			
	1/22/2009	10	X	X	X	X											
	1/22/2009	20	X	X	X	X											
	1/22/2009	30	X	X	X	X											
	1/22/2009	40	X	X	X	X											
B297	1/20/2009	5	X	X	X	X											
	1/20/2009	10	X	X	X	X											
	1/20/2009	20	X	X	X	X											
	1/20/2009	30	X	X	X	X											
	1/20/2009	40	X	X	X	X											
B298	1/28/2008	5	X	X	X	X											
	1/28/2008	10	X	X	X	X											
	1/28/2008	20	X	X	X	X											
	1/28/2008	30	X	X	X	X											
	1/28/2008	40	X	X	X	X											
B299	1/19/2009	5	X	X	X	X											
	1/19/2009	10	X	X	X	X										VOCs, SVOCs	
	1/19/2009	20	X	X	X	X											
	1/19/2009	30	X	X	X	X										VOCs, SVOCs	
	1/19/2009	40	X	X	X	X											
B300	2/6/2008	5	X	X	X	X											
	2/6/2008	10	X	X	X	X											
	2/6/2008	20	X	X	X	X											
	2/6/2008	30	X	X	X	X											
	2/6/2008	40	X	X	X	X											

TABLE 2
SUMMARY OF DEEP AND UNDER-STRUCTURE SOIL ANALYSES

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Location ID	Date Collected	Approximate Sample Depth[1] (feet bgs)	VOCs (USEPA Method 8260B/5035 Prep)	PAHs (USEPA Method 8270C-SIM)	Hydrocarbons (USEPA Method 8015 Modified)	Moisture Content (ASTM D2216)	Title 22 Metals (USEPA Methods 6010B/7071A/7470A)	Hexavalent Chromium (USEPA Method 7199)	Air Permeability (API RP40)	Bulk Density (ASTM D2937)	Grain-Size Distribution (ASTM D422/4464M)	Hydraulic Conductivity (ASTM D5084)	TOC (Walkley-Black)	PCBs (USEPA Method 8082)	OCPs (USEPA Method 8081A)	TCLP	SPLP
B301	2/6/2008	5	X	X	X	X											
	2/6/2008	10	X	X	X	X											
	2/6/2008	20	X	X	X	X											
	2/6/2008	30	X	X	X	X											
	2/6/2008	40	X	X	X	X											
B302	2/5/2008	5	X	X	X	X	X										
	2/5/2008	10	X	X	X	X											
	2/5/2008	20	X	X	X	X											
	2/5/2008	30	X	X	X	X											
	2/5/2008	40	X	X	X	X											
B303	1/28/2008	5	X	X	X	X	X								X		
	1/28/2008	10	X	X	X	X											
	1/28/2008	20	X	X	X	X											
	1/28/2008	30	X	X	X	X											
	1/28/2008	40	X	X	X	X											
B304	1/19/2009	5	X	X	X	X											
	1/19/2009	10	X	X	X	X											
	1/19/2009	20	X	X	X	X											
	1/19/2009	30	X	X	X	X											
	1/19/2009	40	X	X	X	X											
B305	1/19/2009	5	X	X	X	X		X									
	1/19/2009	10	X	X	X	X											
	1/19/2009	20	X	X	X	X											
	1/19/2009	30	X	X	X	X											
	1/19/2009	40	X	X	X	X											
B306	1/31/2008	5	X	X	X	X	X	X						X			
	1/31/2008	10	X	X	X	X											
	1/31/2008	20	X	X	X	X											
	2/1/2008	30	X			X											
	2/1/2008	40	X	X	X	X											
B307	1/28/2008	5	X	X	X	X											
	1/28/2008	10	X	X	X	X											
	1/28/2008	20	X	X	X	X											
	1/28/2008	30	X	X	X	X											
	1/28/2008	40	X	X	X	X											
B308	1/30/2008	5	X	X	X	X	X	X									
	1/30/2008	10	X	X	X	X											
	1/30/2008	20	X	X	X	X											
	1/30/2008	30	X	X	X	X											
	1/30/2008	40	X	X	X	X											
B309	1/19/2009	5	X	X	X	X		X									
	1/19/2009	10	X	X	X	X											
	1/19/2009	20	X	X	X	X											
	1/19/2009	30	X	X	X	X											
	1/19/2009	40	X	X	X	X											
B310	2/4/2008	5	X	X	X	X											
	2/4/2008	10	X	X	X	X											
	2/4/2008	20	X	X	X	X											
	2/4/2008	30	X	X	X	X											
	2/4/2008	40	X	X	X	X											
B311	2/5/2008	5	X	X	X	X											
	2/5/2008	10	X	X	X	X											
	2/5/2008	20	X	X	X	X											
	2/5/2008	30	X	X	X	X											
	2/5/2008	40	X	X	X	X											
B312	1/30/2008	5	X	X	X	X											
	1/30/2008	10	X	X	X	X											
	1/30/2008	20	X	X	X	X											
	1/30/2008	30	X	X	X	X											
	1/30/2008	40	X	X	X	X											

TABLE 2
SUMMARY OF DEEP AND UNDER-STRUCTURE SOIL ANALYSES

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Location ID	Date Collected	Approximate Sample Depth[1] (feet bgs)	VOCs (USEPA Method 8260B/5035 Prep)	PAHs (USEPA Method 8270C-SIM)	Hydrocarbons (USEPA Method 8015 Modified)	Moisture Content (ASTM D2216)	Title 22 Metals (USEPA Methods 6010B/7071A/7470A)	Hexavalent Chromium (USEPA Method 7199)	Air Permeability (API RP40)	Bulk Density (ASTM D2937)	Grain-Size Distribution (ASTM D422/4464M)	Hydraulic Conductivity (ASTM D5084)	TOC (Walkley-Black)	PCBs (USEPA Method 8082)	OCPs (USEPA Method 8081A)	TCLP	SPLP
B313	2/1/2008	5	X	X	X	X											
	2/1/2008	10	X	X	X	X											
	2/1/2008	20	X	X	X	X											
	2/1/2008	30	X	X	X	X											
	2/1/2008	40	X	X	X	X											
B314	1/30/2008	5	X	X	X	X								X			
	1/30/2008	10	X	X	X	X											
	1/30/2008	20	X	X	X	X											
	1/30/2008	30	X	X	X	X											
	1/30/2008	40	X	X	X	X											
B315	1/30/2008	5	X	X	X	X									X		
	1/30/2008	10	X	X	X	X											
	1/30/2008	20	X	X	X	X											
	1/30/2008	30	X	X	X	X											
	1/30/2008	40	X	X	X	X											
B316	1/30/2008	5	X	X	X	X											
	1/30/2008	10	X	X	X	X											
	1/30/2008	20	X	X	X	X											
	1/30/2008	30	X	X	X	X											
	1/30/2008	40	X	X	X	X											
B317	1/29/2008	5	X	X	X	X											
	1/29/2008	10	X	X	X	X											
	1/29/2008	20	X	X	X	X											
	1/29/2008	30	X	X	X	X											
	1/29/2008	40	X	X	X	X											
B318	1/28/2008	5	X	X	X	X											
	1/28/2008	10	X	X	X	X											
	1/28/2008	20	X	X	X	X											
	1/28/2008	30	X	X	X	X											
	1/28/2008	40	X	X	X	X											
B319	1/21/2009	5	X	X	X	X								X			
	1/21/2009	10	X	X	X	X											
	1/21/2009	20	X	X	X	X											
	1/21/2009	30	X	X	X	X											
	1/21/2009	40	X	X	X	X											
B320	1/29/2008	5	X	X	X	X											
	1/29/2008	10	X	X	X	X											
	1/29/2008	20	X	X	X	X											
	1/29/2008	30	X	X	X	X											
	1/29/2008	40	X	X	X	X											
B321	1/30/2008	5	X	X	X	X											
	1/30/2008	10	X	X	X	X											
	1/30/2008	20	X	X	X	X											
	1/30/2008	30	X	X	X	X											
	1/30/2008	40	X	X	X	X											
B322	2/1/2008	5	X	X	X	X	X								X		
	2/1/2008	10	X	X	X	X											
	2/1/2008	20	X	X	X	X											
	2/1/2008	30	X	X	X	X											
	2/1/2008	40	X	X	X	X											
B323	1/28/2008	5	X	X	X	X											
	1/28/2008	10	X	X	X	X											
	1/28/2008	20	X	X	X	X											
	1/28/2008	30	X	X	X	X											
	1/28/2008	40	X	X	X	X											
B324	4/8/2008	0.5	X	X	X	X	X										
	4/8/2008	2	X	X	X	X	X										
B325	4/8/2008	0.5	X	X	X	X	X										
	4/8/2008	2	X	X	X	X	X										
B326	4/8/2008	0.5	X	X	X	X	X										
	4/8/2008	2	X	X	X	X	X										

NOTES:

[1]Refer to the boring logs or results tables for exact sample depths

API = American Petroleum Institute

ASTM = Americal Society for Testing and Materials

bgs = below ground surface

OCPs = organochlorine pesticides

PAHs = polycyclic aromatic hydrocarbons

PCBs = polychlorinated biphenyls

SPLP = synthetic precipitation leaching procedure

TCLP = toxicity characteristic leaching procedure

TOC = total organic carbon

USEPA = United States Environmental Protection Agency

VOCs = volatile organic compounds

TABLE 3
CLEANUP SCREENING LEVELS FOR TPH IN SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Screening Level Type:		Soil Screening Level[1]				Environmental Screening Level[2]				Cleanup Screening Level[3]
Land-Use Scenario:		Not Applicable				Res	Com/Ind	Res	Com/Ind	
Depth (feet bgs):		2 to 5	10 to 20	30 to 40	50	<10	<10	>10	>10	
Carbon Chain Range	Unit									
C_6 to C_{10}	mg/kg	500	500	500	500	83	83	83	83	83
C_{10} to C_{22}	mg/kg	1,000	1,000	1,000	1,000	83	83	83	83	83
C_{22} to C_{36}	mg/kg	10,000	10,000	10,000	10,000	370	2,500	5,000	5,000	370

NOTES:

[1]obtained from LARWQCB (1996) assuming a silt texture

[2]obtained from SFBRWQCB (2008) assuming underlying groundwater is potable

[3]Selected as the lowest of the available/applicable regulatory screening levels.

bgs = below ground surface

Com/Ind = commercial/industrial

LARWQCB = Los Angeles Regional Water Quality Control Board

mg/kg = milligrams per kilogram

Res = residential

SFBRWQCB = San Francisco Bay Regional Water Quality Control Board

TPH = total petroleum hydrocarbons

TABLE 4
CLEANUP SCREENING LEVELS FOR VOCs IN SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Screening Level Type		Soil Screening Level[1]					Environmental Screening Level[2]				Regional Screening Level[3]		Cleanup Screening Level[4]				
Land-Use Scenario		Not Applicable					Res	Com/Ind	Res	Com/Ind	Res	Ind	Not Applicable				
Depth (feet bgs)		2 to 5	10 to 20	30 to 40	50 to 60	70 to 90	<10	<10	>10	>10	Not Applicable		2 to 5	10 to 20	30 to 40	50 to 60	70 to 90
Analyte	**Unit**																
1,1,1,2-Tetrachloroethane	µg/kg	11.44	6.76	2.6	1.56	0.52	24	24	24	24	2,000	9,800	11.44	6.76	2 6	1 56	0.52
1,1,1-Trichloroethane	µg/kg	4,400	2,600	1,000	600	200	7,800	7,800	7,800	7,800	9,000,000	39,000,000	4,400	2,600	1,000	600	200
1,1,2,2-Tetrachloroethane	µg/kg	22	13	5	3	1	18	18	18	18	590	2,900	18	13	5	3	1
1,1,2-Trichloroethane	µg/kg	110	65	25	15	5	70	70	70	70	1,100	5,500	70	65	25	15	5
1,1,2-Trichlorotrifluoroethane	µg/kg	26,400	15,600	6,000	3,600	1,200	--	--	--	--	--	--	26,400	15,600	6,000	3,600	1,200
1,1-Dichloroethane	µg/kg	110	65	25	15	5	200	200	200	200	3,400	17,000	110	65	25	15	5
1 1-Dichloroethene	µg/kg	132	78	30	18	6	1 000	1 000	1 000	1 000	250 000	1 100 000	132	78	30	18	6
1,1-Dichloropropene	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1 2 3-Trichloropropane	µg/kg	0.2112	0.1248	0 048	0.0288	0.0096	--	--	--	--	91	410	0.2112	0.1248	0.048	0.0288	0 0096
1,2,4-Trichlorobenzene	µg/kg	110	65	25	15	5	1,500	1,500	1,500	1,500	87,000	400,000	110	65	25	15	5
1,2,4-Trimethylbenzene	µg/kg	330	195	75	45	15	--	--	--	--	67,000	280,000	330	195	75	45	15
1 2-Dibromo-3-chloropropane	µg/kg	4.4	2.6	1	0.6	0.2	4.5	4.5	4 5	4.5	5.6	73	4.4	2.6	1	0.6	0.2
1,2-Dibromoethane	µg/kg	1.1	0 65	0.25	0.15	0.05	0 33	0.33	0.33	0 33	34	170	0 33	0.33	0.25	0.15	0.05
1,2-Dichlorobenzene	µg/kg	13,200	7,800	3,000	1,800	600	1,100	1,100	1,100	1,100	2,000,000	10,000,000	1,100	1,100	1,100	1,100	600
1 2-Dichloroethane	µg/kg	11	6.5	2.5	1.5	0.5	4.5	4.5	4 5	4.5	450	2 200	4.5	4.5	2 5	1.5	0.5
1,2-Dichloropropane	µg/kg	110	65	25	15	5	120	120	120	120	930	4,700	110	65	25	15	5
1,3,5-Trimethylbenzene	µg/kg	264	156	60	36	12	--	--	--	--	47,000	200,000	264	156	60	36	12
1,3-Dichlorobenzene	µg/kg	--	--	--	--	--	7,400	7,400	7,400	7,400	--	--	7,400	7,400	7,400	7,400	7,400
1,3-Dichloropropane	µg/kg	16,060	9,490	3,650	2,190	730	--	--	--	--	1,600,000	20,000,000	16,060	9,490	3,650	2,190	730
1,4-Dichlorobenzene	µg/kg	110	65	25	15	5	590	590	590	590	2,600	13,000	590	590	25	15	5
1-Chlorohexane	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	µg/kg	156,200	92,300	35,500	21,300	7,100	3,900	3,900	3,900	3,900	28,000,000	190,000,000	3,900	3,900	3,900	3,900	3,900
2-Chloroethyl vinyl ether	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	µg/kg	16,060	9,490	3,650	2,190	730	--	--	--	--	--	--	16,060	9,490	3,650	2,190	730
2-Hexanone	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	µg/kg	57,200	33,800	13,000	7,800	2,600	--	--	--	--	--	--	57,200	33,800	13,000	7,800	2,600
4-Methyl-2-Pentanone (M BK)	µg/kg	44,000	26,000	10,000	6,000	2,000	2,800	2,800	2,800	2,800	5,300,000	52,000,000	2,800	2,800	2,800	2,800	2,000
Acetone	µg/kg	484,000	286,000	110,000	66,000	22,000	500	500	500	500	61,000,000	610,000,000	500	500	500	500	500
Acetonitrile	µg/kg	2,860	1,690	650	390	130	--	--	--	--	870,000	3,700,000	2,860	1,690	650	390	130
Acrolein	µg/kg	0.924	0.546	0.21	0.126	0 042	--	--	--	--	160	680	0.924	0 546	0.21	0.126	0.042
Acrylonitrile	µg/kg	0 99	0.585	0 225	0.135	0 045	--	--	--	--	240	1,200	0 99	0 585	0.225	0.135	0.045
Allyl chloride	µg/kg	46.2	27.3	10 5	6.3	2.1	--	--	--	--	1,800	7,700	46.2	27 3	10.5	6.3	2.1
Benzene	µg/kg	22	13	5	3	1	44	44	44	44	1 100	5 600	22	13	5	3	1
Benzyl chloride	µg/kg	8.8	5.2	2	1.2	0.4	--	--	--	--	3,800	17,000	8.8	5.2	2	1.2	0.4
Bromobenzene	µg/kg	440	260	100	60	20	--	--	--	--	94,000	410,000	440	260	100	60	20
Bromochloromethane	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	µg/kg	24.2	14.3	5.5	3.3	1.1	570	1,300	1,900	1,900	10,000	46,000	24.2	14 3	5 5	3.3	1.1
Bromoform	µg/kg	187	110 5	42 5	25 5	8.5	2,200	2,200	2,200	2,200	61,000	220,000	187	110.5	42.5	25.5	8 5
Bromomethane	µg/kg	191.4	113.1	43 5	26.1	8.7	390	390	390	390	7 900	35 000	191.4	113.1	43.5	26.1	8.7
Carbon Disulfide	µg/kg	22,000	13,000	5,000	3,000	1,000	--	--	--	--	670,000	3,000,000	22,000	13,000	5,000	3,000	1,000
Carbon tetrachloride	µg/kg	11	6.5	2.5	1.5	0.5	20	44	110	110	250	1,300	20	20	20	15	0 5
Chlorobenzene	µg/kg	1,540	910	350	210	70	1,500	1,500	1,500	1,500	310,000	1,500,000	1,500	910	350	210	70
Chloroethane	µg/kg	--	--	--	--	--	850	850	850	850	--	--	850	850	850	850	850
Chloroform	µg/kg	4.18	2.47	0.95	0.57	0.19	680	1,500	2,100	2,100	300	1,500	4.18	2.47	0.95	0 57	0.19
Chloromethane	µg/kg	39.6	23.4	9	5.4	1.8	6,400	6,400	6,400	6,400	1,700	8,400	39.6	23.4	9	5.4	1 8
Dibromochloromethane	µg/kg	17.6	10.4	4	2.4	0.8	7,600	8,300	8,300	8,300	5,800	21,000	17.6	10.4	4	2.4	0 8
Dibromomethane	µg/kg	8,140	4,810	1,850	1,110	370	--	--	--	--	780,000	10,000,000	8,140	4,810	1,850	1,110	370
Dichlorodifluoromethane	µg/kg	8,580	5,070	1,950	1,170	390	--	--	--	--	190,000	780,000	8,580	5,070	1,950	1,170	390
Ethyl benzene	µg/kg	6,600	3,900	1,500	900	300	2,300	3,300	3,300	3,300	5,700	29,000	2,300	3,300	1,500	900	300
Ethyl methacrylate	µg/kg	72,600	42,900	16,500	9,900	3,300	--	--	--	--	7,000,000	92,000,000	72,600	42,900	16,500	9,900	3,300
Ethyl tert-butyl ether (ETBE)	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 4
CLEANUP SCREENING LEVELS FOR VOCs IN SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Screening Level Type		Soil Screening Level[1]					Environmental Screening Level[2]				Regional Screening Level[3]		Cleanup Screening Level[4]				
Land-Use Scenario		Not Applicable					Res	Com/Ind	Res	Com/Ind	Res	Ind	Not Applicable				
Depth (feet bgs)		2 to 5	10 to 20	30 to 40	50 to 60	70 to 90	<10	<10	>10	>10	Not Applicable		2 to 5	10 to 20	30 to 40	50 to 60	70 to 90
Analyte	**Unit**																
Hexachlorobutadiene	µg/kg	18.92	11.18	4.3	2.58	0.86	2,200	2,200	2,200	2,200	6,200	22,000	18.92	11.18	4 3	2 58	0.86
Iodomethane	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropyl ether (DIPE)	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	µg/kg	14,960	8,840	3,400	2,040	680	--	--	--	--	2,200,000	11,000,000	14,960	8,840	3,400	2,040	680
Methacrylonitrile	µg/kg	22	13	5	3	1	--	--	--	--	3,200	18,000	22	13	5	3	1
Methyl methacrylate	µg/kg	30,800	18,200	7,000	4,200	1,400	--	--	--	--	4,700,000	20,000,000	30,800	18,200	7,000	4,200	1,400
Methyl tert-butyl ether (MTBE)	µg/kg	286	169	65	39	13	23	23	23	23	39,000	190,000	23	23	23	23	13
Methylene chloride	µg/kg	110	65	25	15	5	77	77	77	77	11,000	54,000	77	65	25	15	5
Naphthalene	µg/kg	3 08	1 82	0.7	0.42	0.14	1,300	2,800	3,400	3,400	3,900	20,000	3 08	1.82	0.7	0.42	0.14
Pentachloroethane	µg/kg	16.5	9.75	3.75	2.25	0.75	--	--	--	--	5,400	19,000	16.5	9.75	3.75	2 25	0.75
Propionitrile	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	µg/kg	2 200	1 300	500	300	100	1 500	1 500	1 500	1 500	6 500 000	38 000 000	1 500	1 300	500	300	100
Tert-amylmethyl ether (TAME)	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tertiary butyl alcohol (TBA)	µg/kg	--	--	--	--	--	75	75	75	75	--	--	75	75	75	75	75
Tetrachloroethene	µg/kg	110	65	25	15	5	370	700	700	700	570	2 700	110	65	25	15	5
Toluene	µg/kg	3,300	1,950	750	450	150	2,900	2,900	2,900	2,900	5,000,000	46,000,000	2,900	1,950	750	450	150
Trichloroethene	µg/kg	110	65	25	15	5	460	460	460	460	2,800	14,000	110	65	25	15	5
Trichlorofluoromethane	µg/kg	3 300	1 950	750	450	150	--	--	--	--	800 000	3 400 000	3 300	1 950	750	450	150
Vinyl acetate	µg/kg	9,020	5,330	2,050	1,230	410	--	--	--	--	990,000	4,200,000	9,020	5,330	2,050	1,230	410
Vinyl chloride	µg/kg	11	6.5	2.5	1.5	0.5	22	47	85	85	60	1,700	11	6.5	2 5	1.5	0.5
Xylenes total	µg/kg	38 500	22 750	8 750	5 250	1 750	2 300	2 300	2 300	2 300	600 000	2 600 000	2 300	2 300	2 300	2 300	1 750
cis-1,2-Dichloroethene	µg/kg	132	78	30	18	6	190	190	190	190	780,000	10,000,000	132	78	30	18	6
cis-1,3-Dichloropropene	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,4-Dichloro-2-butene	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	µg/kg	30,800	18,200	7,000	4,200	1,400	--	--	--	--	4,500,000	19,000,000	30,800	18,200	7,000	4,200	1,400
p-Xylene	µg/kg	33,000	19,500	7,500	4,500	1,500					4,700,000	20,000,000	33,000	19,500	7,500	4,500	1,500
n-Butylbenzene	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	µg/kg	30,800	18,200	7,000	4,200	1,400	--	--	--	--	5,300,000	23,000,000	30,800	18,200	7,000	4,200	1,400
p-Isopropyltoluene	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	µg/kg	220	130	50	30	10	670	670	670	670	110,000	500,000	220	130	50	30	10
trans-1,3-Dichloropropene	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	µg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

NOTES:

[1]obtained from LARWQCB (1996) assuming a silt texture

[2]obtained from SFBRWQCB (2008) assuming underlying groundwater is potable

[3]obtained from USEPA (2008)

Selected as the lowest of the available/applicable regulatory screening levels.

bgs = below ground surface

Com = commercial

Ind = industrial

LARWQCB = Los Angeles Regional Water Quality Control Board

µg/kg = micrograms per kilogram

Res = residential

SFBRWQCB = San Francisco Bay Regional Water Quality Control Board

USEPA = United States Environmental Protection Agency

VOCs = volatile organic compounds

-- = not established

TABLE 5
CLEANUP SCREENING LEVELS FOR PAHs IN SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Screening Level Type:		Environmental Screening Level[1]				Regional Screening Level[2]		CHHSL[3]		Cleanup Screening Level[4]
Land-Use Scenario:		Res	Com/Ind	Res	Com/Ind	Res	Ind	Res	Com/Ind	
Depth (feet bgs):		<10	<10	>10	>10	Not Applicable		Not Applicable		
Analyte	Unit									
1-Methylnaphthalene	µg/kg	--	--	--	--	22,000	99,000	--	--	22,000
2-Methylnaphthalene	µg/kg	250	250	250	250	310,000	4,100,000	--	--	250
Acenaphthene	µg/kg	16,000	16,000	16,000	16,000	3,400,000	33,000,000	--	--	16,000
Acenaphthylene	µg/kg	13,000	13,000	13,000	13,000	--	--	--	--	13,000
Anthracene	µg/kg	2,800	2,800	2,800	2,800	17,000,000	170,000,000	--	--	2,800
Benzo(a)anthracene	µg/kg	380	1,300	12,000	12,000	150	2,100	--	--	150
Benzo(a)pyrene	µg/kg	38	130	1,500	1,500	15	210	38	130	15
Benzo(b)fluoranthene	µg/kg	380	1,300	15,000	15,000	150	2,100	--	--	150
Benzo(ghi)perylene	µg/kg	27,000	27,000	27,000	27,000	--	--	--	--	27,000
Benzo(k)fluoranthene	µg/kg	380	1,300	2,700	2,700	1,500	21,000	--	--	380
Chrysene	µg/kg	23,000	23,000	23,000	23,000	15,000	210,000	--	--	15,000
Dibenzo(a,h)anthracene	µg/kg	62	210	2,400	2,400	15	210	--	--	15
Fluoranthene	µg/kg	40,000	40,000	60,000	60,000	2,300,000	22,000,000	--	--	40,000
Fluorene	µg/kg	8,900	8,900	8,900	8,900	2,300,000	22,000,000	--	--	8,900
Indeno(1,2,3-cd)pyrene	µg/kg	620	2,100	13,000	13,000	150	2,100	--	--	150
Naphthalene	µg/kg	1,300	2,800	3,400	3,400	3,900	20,000	--	--	1,300
Phenanthrene	µg/kg	11,000	11,000	11,000	11,000	--	--	--	--	11,000
Pyrene	µg/kg	85,000	85,000	85,000	85,000	1,700,000	17,000,000	--	--	85,000

NOTES:

[1]obtained from SFBRWQCB (2008) assuming underlying groundwater is potable

[2]obtained from USEPA (2008)

[3]California Human Health Screening Levels obtained from Cal/EPA (2005).

[4]Selected as the lowest of the available/applicable regulatory screening levels.

bgs = below ground surface

Cal/EPA = California Environmental Protection Agency

Com = commercial

Ind = industrial

µg/kg = micrograms per kilogram

PAHs = polycyclic aromatic hydrocarbons

Res = residential

SFBRWQCB = San Francisco Bay Regional Water Quality Control Board

USEPA = United States Environmental Protection Agency

-- = not established

TABLE 6
CLEANUP SCREENING LEVELS FOR METALS IN SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Screening Method:		Environmental Screening Level[1]				Regional Screening Level[2]		CHHSL[3]		DLM[4]	Cleanup Screening Level[5]
Land-Use Scenario:		Res	Com/Ind	Res	Com/Ind	Res	Ind	Res	Com/Ind	Not Applicable	
Depth (feet bgs):		<10	<10	>10	>10	Not Applicable		Not Applicable		Not Applicable	
Analyte	**Unit**										
Antimony	mg/kg	6.3	40	310	310	31	410	30	380	6	6
Arsenic	mg/kg	0.39	1.6	15	15	0.39	1.6	0.07	0.24	50	13[6]
Barium	mg/kg	750	1,500	2,500	2,600	15,000	190,000	5,200	63,000	1000	750
Beryllium	mg/kg	4	8	98	98	160	2,000	150	1,700	4	4
Cadmium	mg/kg	1.7	7.4	39	39	70	810	1.7	7.5	5	1.7
Chromium	mg/kg	--	--	2,500	5,000	280	1,400	--	--	50	50
Cobalt	mg/kg	40	80	94	94	23	300	660	3,200	--	23
Copper	mg/kg	230	230	2,500	5,000	3,100	41,000	3,000	38,000	1300	230
Lead	mg/kg	200	750	750	750	400	800	150	3,500	15	15
Molybdenum	mg/kg	40	40	2,500	3,900	390	5,100	380	4,800	--	40
Nickel	mg/kg	150	150	260	260	1,600	20,000	1,600	16,000	100	100
Selenium	mg/kg	10	10	2,500	3,900	390	5,100	380	4,800	50	10
Silver	mg/kg	20	40	2,500	3,900	390	5,100	380	4,800	--	20
Thallium	mg/kg	1.3	16	62	62	5.1	66	5	63	2	1.3
Vanadium	mg/kg	16	200	770	770	550	7,200	530	6700	--	16
Zinc	mg/kg	600	600	2,500	5,000	23,000	310,000	23,000	100,000	--	600
Mercury	mg/kg	1.3	10	58	58	23	310	18	180	2	1.3
Hexavalent Chromium	µg/kg	8,000	8,000	530	530	39,000	200,000	17,000	37,000	110,000	530

NOTES:

[1]obtained from SFBRWQCB (2008) assuming underlying groundwater is potable

[2]obtained from USEPA (2008)

[3]California Human Health Screening Levels obtained from Cal/EPA (2005).

[4]Designated Level Methodology values obtained from CVRWQCB (1989).

[5]Selected as the lowest of the available/applicable regulatory screening levels.

[6]Alternative screening level approved by LARWQCB for the adjacent Bloomfield property.

bgs = below ground surface

Cal/EPA = California Environmental Protection Agency

Com = commercial

CVRWQCB = Central Valley Regional Water Quality Control Board

Ind = industrial

LARWQCB = Los Angeles Regional Water Quality Control Board

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

Res = residen ial

SFBRWQCB = San Francisco Bay Regional Water Quality Control Board

USEPA = United States Environmental Protec ion Agency

-- = not established

TABLE 7
CLEANUP SCREENING LEVELS FOR PCBs IN SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Screening Method:		Environmental Screening Level[1]				Regional Screening Level[2]		CHHSL[3]		Cleanup Screening Level[4]
Land-Use Scenario:		Res	Com/Ind	Res	Com/Ind	Res	Ind	Res	Com/Ind	
Depth (feet bgs):		<10	<10	>10	>10	Not Applicable		Not Applicable		
Analyte	Unit									
PCB-1016	mg/kg	0.22	0.74	6.3	6.3	3.9	21	0.089	0.3	0.089
PCB-1221	mg/kg	0.22	0.74	6.3	6.3	0.17	0.62	0.089	0.3	0.089
PCB-1232	mg/kg	0.22	0.74	6.3	6.3	0.17	0.62	0.089	0.3	0.089
PCB-1242	mg/kg	0.22	0.74	6.3	6.3	0.22	0.74	0.089	0.3	0.089
PCB-1248	mg/kg	0.22	0.74	6.3	6.3	0.22	0.74	0.089	0.3	0.089
PCB-1254	mg/kg	0.22	0.74	6.3	6.3	0.22	0.74	0.089	0.3	0.089
PCB-1260	mg/kg	0.22	0.74	6.3	6.3	0.22	0.74	0.089	0.3	0.089

NOTES:

[1]obtained from SFBRWQCB (2008) assuming underlying groundwater is potable

[2]obtained from USEPA (2008)

[3]California Human Health Screening Levels obtained from Cal/EPA (2005).

[4]Selected as the lowest of the available/applicable regulatory screening levels.

bgs = below ground surface

Cal/EPA = California Environmental Protection Agency

Com = commercial

Ind = industrial

mg/kg = milligrams per kilogram

PCBs = polychlorinated biphenyls

Res = residential

SFBRWQCB = San Francisco Bay Regional Water Quality Control Board

USEPA = United States Environmental Protection Agency

TABLE 8
CLEANUP SCREENING LEVELS FOR OCPs IN SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Screening Method:		Environmental Screening Level[1]				Regional Screening Level[2]		CHHSL[3]		Cleanup Screening Level[4]
Land-Use Scenario:		Res	Com/Ind	Res	Com/Ind	Res	Ind	Res	Com/Ind	
Depth (feet bgs):		<10	<10	>10	>10	Not Applicable		Not Applicable		
Analyte	**Unit**									
4,4-DDD	mg/kg	2.4	10	120	120	2	7.2	2.3	9	2
4,4-DDE	mg/kg	1.7	4	87	87	1.4	5.1	1.6	6.3	1.4
4,4-DDT	mg/kg	1.7	4	4.3	4.3	1.7	7	1.6	6.3	1.7
Aldrin	mg/kg	0.032	0.13	1.5	1.5	0.029	0.1	0.033	0.13	0.029
Alpha BHC	mg/kg	--	--	--	--	--	--	--	--	--
Beta BHC	mg/kg	--	--	--	--	--	--	--	--	--
Chlordane	mg/kg	0.44	1.7	15	15	1.6	6.5	0.43	1.7	0.43
Delta BHC	mg/kg	--	--	--	--	--	--	--	--	--
Dieldrin	mg/kg	0.0023	0.0023	0.0023	0.0023	0.03	0.11	0.035	0.13	0.0023
Endosulfan I	mg/kg	--	--	--	--	370	3,700	--	--	370
Endosulfan II	mg/kg	--	--	--	--	370	3,700	--	--	370
Endosulfan sulfate	mg/kg	--	--	--	--	--	--	--	--	--
Endrin	mg/kg	0.00065	0.00065	0.00065	0.00065	18	180	21	230	0.00065
Endrin aldehyde	mg/kg	--	--	--	--	--	--	--	--	--
Heptachlor	mg/kg	0.013	0.013	0.013	0.013	0.11	0.38	0.13	0.52	0.013
Heptachlor epoxide	mg/kg	0.014	0.014	0.014	0.014	0.053	0.19	--	--	0.014
Lindane	mg/kg	--	--	--	--	--	--	0.5	2	0.5
Methoxychlor	mg/kg	19	19	19	19	310	3,100	340	3,800	19
Toxaphene	mg/kg	0.00042	0.00042	0.00042	0.00042	0.44	1.6	0.46	1.8	0.00042

NOTES

[1]obtained from SFBRWQCB (2008) assuming underlying groundwater is potable

[2]obtained from USEPA (2008)

[3]California Human Health Screening Levels obtained from Cal/EPA (2005).

[4]Selected as the lowest of the available/applicable regulatory screening levels.

bgs = below ground surface

Cal/EPA = California Environmental Protection Agency

Com = commercial

Ind = industrial

mg/kg = milligrams per kilogram

OCPs = organochlorine pesticides

Res = residential

SFBRWQCB = San Francisco Bay Regional Water Quality Control Board

USEPA = United States Environmental Protection Agency

-- = not established

TABLE 9
TPH DETECTION FREQUENCY IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte	Depth (feet bgs)	Minimum Detection (mg/kg)	Maximum Detection (mg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
C_6 to C_{10}	0-1	0.15	1,620	48	286	16.8
	1-2	0.397	4,270	34	73	46.6
C_{10} to C_{22}	0-1	0.35	42,300	279	286	97.6
	1-2	1.16	20,000	68	73	93.2
C_{22} to C_{36}	0-1	0.52	28,500	278	286	97.2
	1-2	1.66	68,100	69	73	94.5

NOTES:
bgs = below ground surface
mg/kg = milligrams per kilogram
TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S001-0" 0 - 0.5 12/04/07 S001	S002-0" 0 - 0.5 12/04/07 S002	S003ALT-0" 0 - 0.5 12/20/07 S003ALT	S004-0" 0 - 0.5 01/04/08 S004	S004-12" 1 - 1.5 01/04/08 S004	S005-0" 0 - 0.5 12/18/07 S005	S006-0" 0 - 0.5 12/17/07 S006	S006-12" 1 - 1.5 12/17/07 S006	S007-0" 0 - 0.5 12/17/07 S007
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	61.0	**330**	**216**	18.3	ND	**1,010**	**820**	**4,590**	**1,610**
C_{22} to C_{36}	370	mg/kg	**1,020**	**950**	**809**	**707**	19.5	**2,910**	**1,890**	**1,480**	**6,330**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = es imated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S008-0" 0 - 0.5 12/17/07 S008	S009-0" 0 - 0.5 12/17/07 S009	S009-12" 1 - 1.5 12/17/07 S009	S010-6" 0.5 - 1 01/19/09 S010	S011-0" 0 - 0.5 12/17/07 S011	S011-12" 1 - 1.5 12/17/07 S011	S012B-0" 0 - 0.5 12/18/07 S012	S013-0" 0 - 0.5 01/04/08 S013	S014-0" 0 - 0.5 12/04/07 S014
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	**692**	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	**181**	52.0	**166**	2.20	**1,890**	**10,500**	**392**	**822**	59.0
C_{22} to C_{36}	370	mg/kg	**706**	349	**437**	**1,270**	**4,160**	**2,260**	**2,020**	**1,000**	**413**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detec ion and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S015-0" 0 - 0.5 12/04/07 S015	S016B-0" 0 - 0.5 01/02/08 S016	S016B-12" 1 - 1.5 01/02/08 S016	S017-0" 0 - 0.5 12/04/07 S017	S018-0" 0 - 0.5 12/20/07 S018	S019-0" 0 - 0.5 12/18/07 S019	S020-0" 0 - 0.5 12/18/07 S020	S020-12" 1 - 1.5 12/18/07 S020	S021-6" 0.5 - 1 01/19/09 S021
C_6 to C_{10}	83	mg/kg	ND	40.9	ND	ND	ND	ND	**159**	**650**	ND
C_{10} to C_{22}	83	mg/kg	**1,390**	**3,790**	1.16	**174**	34.7	**156**	**6,660**	**9,990**	80.5
C_{22} to C_{36}	370	mg/kg	**6,380**	**8,000**	2.96	**1,150**	287	**603**	**11,600**	**7,700**	**633**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between he detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S022-0" 0 - 0.5 12/17/07 S022	S023-0" 0 - 0.5 12/17/07 S023	S024-0" 0 - 0.5 12/17/07 S024	S025-0" 0 - 0.5 12/18/07 S025	S025-12" 1 - 1.5 12/18/07 S025	S026-0" 0 - 0.5 12/18/07 S026	S026-12" 1 - 1.5 12/18/07 S026	S027-0" 0 - 0.5 12/20/07 S027	S028-0" 0 - 0.5 12/04/07 S028
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	ND	**870**	**517**	ND
C_{10} to C_{22}	83	mg/kg	**178**	**238**	8.20	**7,470**	**942**	**2,830**	**14,500**	**15,900**	59.0
C_{22} to C_{36}	370	mg/kg	**942**	**624**	93.3	**6,600**	**1,030**	**7,990**	**11,300**	**7,450**	240

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and repor ing limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S029-0" 0 - 0.5 12/04/07 S029	S029-18" 1.5 - 2 12/04/07 S029	S030-12" 1 - 1.5 12/04/07 S030	S031-0" 0 - 0.5 12/04/07 S031	S032-0" 0 - 0.5 12/04/07 S032	S033-0" 0 - 0.5 12/04/07 S033	S034-0" 0 - 0.5 12/04/07 S034	S035-0" 0 - 0.5 12/04/07 S035	S036-0" 0 - 0.5 12/04/07 S036	S037-0" 0 - 0.5 12/04/07 S037
C_6 to C_{10}	83	mg/kg	**150**	**149**	ND	ND	ND	ND	ND	ND	ND	**306**
C_{10} to C_{22}	83	mg/kg	**8,420**	**6,180**	**2,520**	**932**	**792**	**1,350**	**695**	**5,000**	**6,480**	**10,300**
C_{22} to C_{36}	370	mg/kg	**14,100**	**2,480**	**19,300**	**2,910**	**3,490**	**7,930**	**2,970**	**8,400**	**11,200**	**22,400**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (repor ing limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S037-20" 1.67 - 2.167 12/04/07 S037	S038-0" 0 - 0.5 12/20/07 S038	S039-0" 0 - 0.5 01/02/08 S039	S039-12" 1 - 1.5 01/02/08 S039	S040-0" 0 - 0.5 12/20/07 S040	S040-12" 1 - 1.5 12/20/07 S040	S041-0" 0 - 0.5 01/30/08 S041	S042-0" 0 - 0.5 01/30/08 S042	S042-12" 1 - 1.5 01/30/08 S042	S043-0" 0 - 0.5 01/30/08 S043
C_6 to C_{10}	83	mg/kg	**293**	ND	2.70	81.7	ND	39.4	ND	**130**	**182**	12.3
C_{10} to C_{22}	83	mg/kg	**709**	**485**	**715**	**2,610**	**97.0**	**571**	**121**	**13,900**	**18,800**	**91.3**
C_{22} to C_{36}	370	mg/kg	111	**2,080**	**1,810**	**1,290**	**965**	**2,610**	259	**3,910**	**2,860**	160

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = iden ification

J = estimated concentration between he detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S044-0" 0 - 0.5 12/20/07 S044	S045-0" 0 - 0.5 12/20/07 S045	S046-0" 0 - 0.5 12/20/07 S046	S047-6" 0.5 - 1 01/20/09 S047	S048-0" 0 - 0.5 01/07/08 S048	S049-6" 0.5 - 1 01/20/09 S049	S050-0" 0 - 0.5 12/04/07 S050	S051-0" 0 - 0.5 12/20/07 S051	S052-0" 0 - 0.5 12/20/07 S052
C_6 to C_{10}	83	mg/kg	ND	ND	1.80	**1,620**	**88.2**	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	**378**	72.5	**6,230**	**42,300**	**15,200**	**286**	**492**	**90.2**	**271**
C_{22} to C_{36}	370	mg/kg	**860**	224	**4,730**	**3,920**	**15,300**	**1,060**	**2,170**	**477**	**1,090**

NOTES:

Detec ions exceeding CSLs are bolded and shaded.

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ID = identification

J = estimated concentra ion between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S052-12" 1 - 1.5 12/20/07 S052	S053-0" 0 - 0.5 12/20/07 S053	S053-12" 1 - 1.5 12/20/07 S053	S054-0" 0 - 0.5 01/30/08 S054	S055-0" 0 - 0.5 01/30/08 S055	S055-12" 1 - 1.5 01/30/08 S055	S056-0" 0 - 0.5 01/30/08 S056	S056-12" 1 - 1.5 01/30/08 S056	S057-0" 0 - 0.5 01/30/08 S057	S058-0" 0 - 0.5 02/01/08 S058
C_6 to C_{10}	83	mg/kg	34.2	ND	20.5	**214**	7.90	ND	ND	25.0	ND	1.70
C_{10} to C_{22}	83	mg/kg	**1,030**	**4,240**	**1,280**	**520**	**339**	**271**	**95.6**	82.9	49.0	**642**
C_{22} to C_{36}	370	mg/kg	**1,080**	**6,800**	**491**	**1,430**	**1,010**	**1,030**	**491**	223	**534**	**1,430**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between he detection and repor ing limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S059-0" 0 - 0.5 02/01/08 S059	S059-12" 1 - 1.5 02/01/08 S059	S060-0" 0 - 0.5 12/13/07 S060	S060-18" 1.5 - 2 12/13/07 S060	S061-0" 0 - 0.5 12/13/07 S061	S063-0" 0 - 0.5 12/14/07 S063	S064-0" 0 - 0.5 12/14/07 S064	S064-18" 1.5 - 2 12/14/07 S064	S065-0" 0 - 0.5 02/01/08 S065
C_6 to C_{10}	83	mg/kg	ND	ND	ND	**744**	ND	ND	ND	1.51	ND
C_{10} to C_{22}	83	mg/kg	36.1	33.2	**1,510**	**13,900**	**458**	38.0	81.0	14.0	**113**
C_{22} to C_{36}	370	mg/kg	232	280	**2,330**	**20,100**	**1,760**	180	**451**	88.0	77.4

NOTES:

Detections exceeding CSLs are bolded and shaded.

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ID = identification

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S065-12" 1 - 1.5 02/01/08 S065	S066-0" 0 - 0.5 12/14/07 S066	S067-0" 0 - 0.5 12/14/07 S067	S068-0" 0 - 0.5 12/13/07 S068	S069-0" 0 - 0.5 12/13/07 S069	S070-0" 0 - 0.5 12/13/07 S070	S071B-12" 1 - 1.5 12/21/07 S071B	S072-0" 0 - 0.5 12/04/07 S072
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	2.36	**252**	**92.6**	**144**	**145**	**193**	6.35	**88.2**
C_{22} to C_{36}	370	mg/kg	11.7	**1,430**	**676**	**415**	**966**	**580**	1.66	**440**

NOTES:

Detections exceeding CSLs are bolded and shaded.

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CSL = Cleanup Screening Level

ID = iden ification

J = estimated concentration between he detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S073-0" 0 - 0.5 12/04/07 S073	S074-0" 0 - 0.5 12/04/07 S074	S075-0" 0 - 0.5 12/04/07 S075	S076-6" 0.5 - 1 01/22/09 S076	S078-0" 0 - 0.5 02/01/08 S078	S078-12" 1 - 1.5 02/01/08 S078	S079-0" 0 - 0.5 02/01/08 S079	S080-0" 0 - 0.5 02/01/08 S080	S081-0" 0 - 0.5 02/01/08 S081
C_6 to C_{10}	83	mg/kg	ND	ND	ND	36.6	**150**	3.50	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	40.4	**923**	**524**	**41,100**	**2,680**	58.2	ND	**1,030**	42.5
C_{22} to C_{36}	370	mg/kg	324	**4,290**	**4,090**	**15,800**	195	2.22	ND	**3,660**	**391**

NOTES:

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ID = identification

J = es imated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S082-0" 0 - 0.5 12/13/07 S082	S083-0" 0 - 0.5 12/13/07 S083	S083-15" 1.25 - 1.75 12/13/07 S083	S084-0" 0 - 0.5 12/04/07 S084	S085-0" 0 - 0.5 12/04/07 S085	S086-6" 0.5 - 1 01/20/09 S086	S087-0" 0 - 0.5 12/13/07 S087	S088-0" 0 - 0.5 01/02/08 S088	S089-0" 0 - 0.5 01/02/08 S089
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	**784**	**9,720**	**3,860**	**2,350**	**352**	**451**	**877**	**971**	19.5
C_{22} to C_{36}	370	mg/kg	**5,130**	**4,110**	**15,900**	**9,250**	**2,370**	**600**	**2,710**	**2,780**	86.7

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identifica ion

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S090-0" 0 - 0.5 12/13/07 S090	S090-18" 1.5 - 2 12/13/07 S090	S091-0" 0 - 0.5 02/01/08 S091	S092-0" 0 - 0.5 12/13/07 S092	S093-0" 0 - 0.5 12/04/07 S093	S094-0" 0 - 0.5 12/04/07 S094	S095-0" 0 - 0.5 12/04/07 S095	S096-0" 0 - 0.5 12/04/07 S096	S097-6" 0.5 - 1 01/20/09 S097
C_6 to C_{10}	83	mg/kg	8.00	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	**3,180**	**3,950**	**10,700**	**102**	**494**	3.80	76.0	67.1	**88.2**
C_{22} to C_{36}	370	mg/kg	**8,900**	**2,490**	**12,700**	**762**	**2,070**	75.5	**627**	**389**	**1,630**

NOTES:

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CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (repor ing limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S098-0" 0 - 0.5 12/04/07 S098	S099-0" 0 - 0.5 12/13/07 S099	S100-0" 0 - 0.5 12/13/07 S100	S101-0" 0 - 0.5 12/13/07 S101	S102-0" 0 - 0.5 12/13/07 S102	S102-15" 1.25 - 1.75 12/13/07 S102	S103-0" 0 - 0.5 01/03/08 S103	S103-12" 1 - 1.5 01/03/08 S103
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	4.60	ND	30.7	**303**	**1,450**	**382**	**737**	54.3
C_{22} to C_{36}	370	mg/kg	59.1	46.5	218	**2,130**	**4,670**	**1,290**	**2,050**	370

NOTES:

Detections exceeding CSLs are bolded and shaded.

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CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between he detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S104-0" 0 - 0.5 01/29/08 S104	S105-0" 0 - 0.5 01/31/08 S105	S106-6" 0.5 - 1 01/22/09 S106	S106-12" 1 - 1.5 01/22/09 S106	S107-0" 0 - 0.5 12/20/07 S107	S108-0" 0 - 0.5 12/20/07 S108	S109-0" 0 - 0.5 01/31/08 S109	S109-12" 1 - 1.5 01/31/08 S109	S110-6" 0.5 - 1 01/22/09 S110
C_6 to C_{10}	83	mg/kg	ND	ND	0.420	0.397	ND	ND	**1,300**	**1,250**	5.40
C_{10} to C_{22}	83	mg/kg	ND	**1,940**	17.3	5.75	ND	**811**	**25,100**	**15,000**	**10,900**
C_{22} to C_{36}	370	mg/kg	ND	**7,590**	77.0	47.3	ND	**3,630**	**10,900**	**5,300**	**10,000**

NOTES:

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CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S111-0" 0 - 0.5 12/21/07 S111	S111-12" 1 - 1.5 12/21/07 S111	S112-6" 0.5 - 1 01/22/09 S112	S113-0" 0 - 0.5 01/31/08 S113	S113-12" 1 - 1.5 01/31/08 S113	S114-0" 0 - 0.5 01/29/08 S114	S115-0" 0 - 0.5 01/29/08 S115	S116-0" 0 - 0.5 01/29/08 S116	S117-0" 0 - 0.5 01/31/08 S117	S117-12" 1 - 1.5 02/01/08 S117
C_6 to C_{10}	83	mg/kg	**1,470**	**821**	35.1	**230**	**451**	ND	ND	ND	0.150	ND
C_{10} to C_{22}	83	mg/kg	**5,280**	**2,780**	**5,860**	**1,350**	**2,370**	15.1	**3,840**	**247**	3.36	ND
C_{22} to C_{36}	370	mg/kg	**8,600**	**1,080**	**8,330**	**784**	**1,310**	96.6	**28,500**	**1,390**	0.520	ND

NOTES:

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mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S118-6" 0.5 - 1 01/22/09 S118	S119-0" 0 - 0.5 01/04/08 S119	S119-12" 1 - 1.5 01/04/08 S119	S120-0" 0 - 0.5 01/04/08 S120	S121-0" 0 - 0.5 01/04/08 S121	S121-12" 1 - 1.5 01/04/08 S121	S122-0" 0 - 0.5 01/29/08 S122	S123-0" 0 - 0.5 11/29/07 S123	S124-0" 0 - 0.5 11/29/07 S124
C_6 to C_{10}	83	mg/kg	2.38	**179**	**4,270**	ND	45.0	**107**	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	13.8	**512**	**4,850**	**84.7**	**1,630**	**2,830**	ND	42.6	**413**
C_{22} to C_{36}	370	mg/kg	43.7	**481**	ND	**387**	**2,840**	**1,820**	ND	258	**2,260**

NOTES:

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bgs = below ground surface

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ID = identification

J = estimated concentration between the detection and repor ing limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S125-0" 0 - 0.5 01/29/08 S125	S126-0" 0 - 0.5 01/07/08 S126	S126-12" 1 - 1.5 01/07/08 S126	S127-0" 0 - 0.5 02/01/08 S127	S130-0" 0 - 0.5 01/07/08 S130	S130-12" 1 - 1.5 01/07/08 S130	S131-0" 0 - 0.5 01/07/08 S131	S132-0" 0 - 0.5 01/03/08 S132	S133B-0" 0 - 0.5 11/29/07 S133
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	65.0	ND	ND	28.0
C_{10} to C_{22}	83	mg/kg	**258**	**299**	**236**	**1,570**	**3,140**	**614**	**984**	21.5	**10,000**
C_{22} to C_{36}	370	mg/kg	**2,070**	**2,430**	**4,290**	**1,810**	**8,630**	**1,970**	**8,890**	68.0	**4,210**

NOTES:

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ID = identifica ion

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S133B-12" 1 - 1.5 11/29/07 S133	S134-0" 0 - 0.5 01/07/08 S134	S135-6" 0.5 - 1 01/19/09 S135	S136-0" 0 - 0.5 11/29/07 S136	S136-24" 2 - 2.5 11/29/07 S136	S137-0" 0 - 0.5 11/29/07 S137	S138-0" 0 - 0.5 11/29/07 S138	S138-18" 1.5 - 2 11/29/07 S138	S139-12" 1 - 1.5 11/29/07 S139	S139-24" 2 - 2.5 11/29/07 S139
C_6 to C_{10}	83	mg/kg	ND	ND	ND	**190**	13.0	ND	ND	**461**	1.88	**280**
C_{10} to C_{22}	83	mg/kg	**5,910**	**102**	4.24	**33,900**	**4,360**	**2,320**	**5,400**	**20,000**	**8,020**	**5,580**
C_{22} to C_{36}	370	mg/kg	**6,760**	**2,770**	23.5	**25,200**	**4,010**	**9,300**	**10,900**	**11,900**	**8,900**	344

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S140-12" 1 - 1.5 11/29/07 S140	S141-0" 0 - 0.5 01/07/08 S141	S141-12" 1 - 1.5 01/07/08 S141	S142-0" 0 - 0.5 01/07/08 S142	S143-0" 0 - 0.5 01/07/08 S143	S144B-0" 0 - 0.5 01/31/08 S144B	S144B-12" 1 - 1.5 01/31/08 S144B	S145-0" 0 - 0.5 01/07/08 S145	S145-12" 1 - 1.5 01/07/08 S145	S146-0" 0 - 0.5 11/29/07 S146
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	19.9	ND
C_{10} to C_{22}	83	mg/kg	58.8	**209**	38.3	**3,100**	29.0	70.7	**100**	52.6	**92.0**	**496**
C_{22} to C_{36}	370	mg/kg	35.9	**757**	84.8	**6,490**	172	**1,200**	**851**	**529**	**453**	**2,280**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = es imated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (repor ing limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S147-12" 1 - 1.5 11/29/07 S147	S148-0" 0 - 0.5 11/29/07 S148	S149-12" 1 - 1.5 11/29/07 S149	S150-12" 1 - 1.5 11/29/07 S150	S151-12" 1 - 1.5 11/29/07 S151	S152-0" 0 - 0.5 11/29/07 S152	S153-0" 0 - 0.5 11/29/07 S153	S154-0" 0 - 0.5 11/29/07 S154	S155B-0" 0 - 0.5 11/29/07 S155
C_6 to C_{10}	83	mg/kg	ND	1.30	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	**294**	**222**	**7,910**	**309**	**498**	**666**	**541**	**206**	**237**
C_{22} to C_{36}	370	mg/kg	**1,070**	**732**	**16,100**	**1,880**	**2,120**	**3,880**	**2,300**	**921**	**1,010**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between he detection and repor ing limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S156-0" 0 - 0.5 01/07/08 S156	S157-0" 0 - 0.5 01/02/08 S157	S158-0" 0 - 0.5 12/17/07 S158	S158-12" 1 - 1.5 12/17/07 S158	S159-0" 0 - 0.5 12/17/07 S159	S160-0" 0 - 0.5 01/07/08 S160	S161B-0" 0 - 0.5 11/29/07 S161	S162-12" 1 - 1.5 11/29/07 S162	S162-24" 2 - 2.5 11/29/07 S162
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	40.8	ND
C_{10} to C_{22}	83	mg/kg	**115**	28.8	**1,430**	**1,460**	**128**	56.1	23.3	**602**	2.17
C_{22} to C_{36}	370	mg/kg	**983**	184	**5,670**	**5,400**	272	**408**	145	**1,430**	2.64

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = es imated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S163-0" 0 - 0.5 11/29/07 S163	S164-0" 0 - 0.5 11/29/07 S164	S165-0" 0 - 0.5 11/29/07 S165	S166-0" 0 - 0.5 11/29/07 S166	S167-0" 0 - 0.5 11/29/07 S167	S168-0" 0 - 0.5 11/29/07 S168	S169-0" 0 - 0.5 11/29/07 S169	S170-0" 0 - 0.5 01/07/08 S170	S171-0" 0 - 0.5 12/17/07 S171
C_6 to C_{10}	83	mg/kg	ND	33.1	ND	ND	ND	ND	**96.0**	ND	ND
C_{10} to C_{22}	83	mg/kg	5.13	**626**	**1,890**	**290**	42.8	**847**	**588**	**273**	**2,300**
C_{22} to C_{36}	370	mg/kg	10.1	**2,230**	**6,520**	**1,680**	303	**2,040**	**1,920**	**1,370**	**2,440**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = iden ification

J = estimated concentration between the detec ion and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S171-12" 1 - 1.5 12/17/07 S171	S172-0" 0 - 0.5 12/17/07 S172	S173-0" 0 - 0.5 12/17/07 S173	S174-0" 0 - 0.5 12/14/07 S174	S175-0" 0 - 0.5 01/07/08 S175	S175-0" 0 - 0.5 01/31/08 S175	S176-0" 0 - 0.5 11/28/07 S176	S177-0" 0 - 0.5 11/28/07 S177	S178-0" 0 - 0.5 11/28/07 S178
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	8.60	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	**4,570**	**1,170**	**2,950**	**229**	**541**	**289**	**355**	**246**	**110**
C_{22} to C_{36}	370	mg/kg	**68,100**	**2,130**	**1,770**	**585**	**2,710**	**1,610**	**1,940**	**1,760**	**1,070**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between he detection and repor ing limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S179-0" 0 - 0.5 11/28/07 S179	S180-0" 0 - 0.5 11/28/07 S180	S181-0" 0 - 0.5 01/31/08 S181	S182-0" 0 - 0.5 12/14/07 S182	S183-0" 0 - 0.5 12/17/07 S183	S184-0" 0 - 0.5 12/14/07 S184	S185-6" 0.5 - 1 01/19/09 S185	S186-0" 0 - 0.5 01/31/08 S186
C_6 to C_{10}	83	mg/kg	ND	2.62	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	**160**	**120**	37.2	**694**	**112**	**219**	**125**	41.4
C_{22} to C_{36}	370	mg/kg	**690**	289	221	**2,010**	**553**	**1,240**	**3,950**	**587**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = iden ification

J = estimated concentration between he detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S187-0" 0 - 0.5 01/04/08 S187	S188-0" 0 - 0.5 11/26/07 S188	S189-0" 0 - 0.5 11/26/07 S189	S190-0" 0 - 0.5 11/26/07 S190	S191-0" 0 - 0.5 11/26/07 S191	S192-0" 0 - 0.5 11/26/07 S192	S193-0" 0 - 0.5 11/26/07 S193	S194-0" 0 - 0.5 11/26/07 S194
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	2.10	5.00	30.2	**159**	**1,840**	**1,260**	9.80	**98.6**
C_{22} to C_{36}	370	mg/kg	2.10	109	105	**1,480**	**6,700**	**4,760**	84.0	**883**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = es imated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (repor ing limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S195-0" 0 - 0.5 11/26/07 S195	S196-0" 0 - 0.5 11/26/07 S196	S196-18" 1.5 - 2 11/26/07 S196	S197-0" 0 - 0.5 11/26/07 S197	S198-0" 0 - 0.5 11/26/07 S198	S199-12" 1 - 1.5 11/26/07 S199	S199-24" 2 - 2.5 11/26/07 S199	S200-0" 0 - 0.5 11/26/07 S200	S201-0" 0 - 0.5 11/26/07 S201
C_6 to C_{10}	83	mg/kg	ND	24.5	**404**	ND	ND	28.6	7.49	ND	9.00
C_{10} to C_{22}	83	mg/kg	**214**	**1,440**	**3,050**	11.3	67.9	**2,480**	**800**	**314**	**6,740**
C_{22} to C_{36}	370	mg/kg	**3,000**	**2,960**	**1,880**	122	**620**	**2,990**	**1,010**	**2,930**	**20,200**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = es imated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (repor ing limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S201-18" 1.5 - 2 11/26/07 S201	S202-0" 0 - 0.5 11/28/07 S202	S203-0" 0 - 0.5 11/28/07 S203	S204-0" 0 - 0.5 11/28/07 S204	S205-0" 0 - 0.5 11/28/07 S205	S206-0" 0 - 0.5 11/28/07 S206	S207-0" 0 - 0.5 11/28/07 S207	S208-0" 0 - 0.5 11/26/07 S208	S209-0" 0 - 0.5 11/26/07 S209
C_6 to C_{10}	83	mg/kg	29.5	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	**1,900**	30.2	**89.1**	**103**	**106**	**87.5**	64.4	**494**	**753**
C_{22} to C_{36}	370	mg/kg	**3,340**	217	**722**	**473**	**926**	**692**	**448**	**4,610**	**3,200**

NOTES:

Detec ions exceeding CSLs are bolded and shaded.

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CSL = Cleanup Screening Level

ID = identification

J = estimated concentra ion between the detection and repor ing limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S210-0" 0 - 0.5 11/26/07 S210	S211-0" 0 - 0.5 11/26/07 S211	S212-0" 0 - 0.5 11/26/07 S212	S213-0" 0 - 0.5 11/28/07 S213	S214-0" 0 - 0.5 11/28/07 S214	S215-0" 0 - 0.5 11/28/07 S215	S216-0" 0 - 0.5 11/28/07 S216	S217-0" 0 - 0.5 11/28/07 S217	S218-0" 0 - 0.5 11/28/07 S218
C_6 to C_{10}	83	mg/kg	ND	ND	ND	14.0	ND	**213**	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	**1,030**	**1,350**	**323**	**2,900**	**86.1**	**493**	11.8	61.1	30.2
C_{22} to C_{36}	370	mg/kg	**7,010**	**2,960**	**1,020**	**11,400**	**701**	100	60.7	**502**	106

NOTES:

Detec ions exceeding CSLs are bolded and shaded.

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CSL = Cleanup Screening Level

ID = identification

J = estimated concentra ion between the detection and repor ing limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S219-0" 0 - 0.5 11/28/07 S219	S220-0" 0 - 0.5 11/28/07 S220	S221-0" 0 - 0.5 11/28/07 S221	S222-0" 0 - 0.5 11/28/07 S222	S223-0" 0 - 0.5 11/28/07 S223	S224-0" 0 - 0.5 11/28/07 S224	S225-0" 0 - 0.5 11/28/07 S225	S226-0" 0 - 0.5 11/28/07 S226	S227-0" 0 - 0.5 11/29/07 S227
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	7.60	2.40	ND	ND
C_{10} to C_{22}	83	mg/kg	**90.4**	69.9	57.6	**144**	**335**	**3,810**	**469**	**178**	70.8
C_{22} to C_{36}	370	mg/kg	**484**	**565**	**468**	4.10	**1,650**	**9,200**	**1,920**	**915**	**463**

NOTES:

Detections exceeding CSLs are bolded and shaded.

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CSL = Cleanup Screening Level

ID = iden ification

J = estimated concentration between he detec ion and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S228-0" 0 - 0.5 11/28/07 S228	S229-0" 0 - 0.5 11/28/07 S229	S230-0" 0 - 0.5 11/28/07 S230	S230-12" 1 - 1.5 11/28/07 S230	S231-0" 0 - 0.5 11/28/07 S231	S232-0" 0 - 0.5 11/28/07 S232	S233-0" 0 - 0.5 11/28/07 S233	S234-0" 0 - 0.5 11/28/07 S234
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	**4,830**	**237**	13.3	65.2	77.9	53.2	**945**	12.4
C_{22} to C_{36}	370	mg/kg	**11,800**	**944**	ND	15.8	**498**	**398**	**2,830**	72.0

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = iden ification

J = estimated concentration between he detec ion and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S235-0" 0 - 0.5 11/28/07 S235	S236-0" 0 - 0.5 11/28/07 S236	S237-0" 0 - 0.5 11/29/07 S237	S238-0" 0 - 0.5 01/28/08 S238	S239-0" 0 - 0.5 01/28/08 S239	S239-12" 1 - 1.5 01/30/08 S239	S240-6" 0.5 - 1 01/20/09 S240	S241-6" 0.5 - 1 01/20/09 S241	S242-0" 0 - 0.5 01/29/08 S242
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	33.4	**98.9**	**194**	18.9	5.63	8.05	77.5	65.5	55.0
C_{22} to C_{36}	370	mg/kg	159	**483**	**567**	131	43.0	65.2	**1,820**	**1,150**	345

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = iden ification

J = estimated concentration between he detec ion and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S243-0" 0 - 0.5 01/29/08 S243	S244-0" 0 - 0.5 01/28/08 S244	S245-0" 0 - 0.5 01/28/08 S245	S246-0" 0 - 0.5 01/29/08 S246	S247-0" 0 - 0.5 01/29/08 S247	S248-0" 0 - 0.5 01/28/08 S248	S249-0" 0 - 0.5 01/28/08 S249	S250-0" 0 - 0.5 01/28/08 S250	S250-12" 1 - 1.5 01/30/08 S250
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	ND	47.5	1.71	26.6	40.9	**155**	81.9	0.350	10.9
C_{22} to C_{36}	370	mg/kg	ND	300	10.4	276	331	**470**	337	ND	112

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = iden ification

J = estimated concentration between he detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S251-0" 0 - 0.5 01/28/08 S251	S251-6" 0.5 - 1 01/20/09 S251	S252-0" 0 - 0.5 01/29/08 S252	S253-0" 0 - 0.5 01/29/08 S253	S254-0" 0 - 0.5 01/29/08 S254	S254-12" 1 - 1.5 01/30/08 S254	S255-0" 0 - 0.5 01/29/08 S255	S256-0" 0 - 0.5 01/31/08 S256	S257-0" 0 - 0.5 01/03/08 S257
C_6 to C_{10}	83	mg/kg	ND	ND	ND	15.4	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	45.9	39.1	43.1	70.0	**101**	54.7	ND	**701**	16.7
C_{22} to C_{36}	370	mg/kg	247	338	178	202	**429**	254	ND	**1,830**	49.7

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = iden ification

J = estimated concentration between he detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S258-0" 0 - 0.5 01/03/08 S258	S259-0" 0 - 0.5 01/31/08 S259	S260-0" 0 - 0.5 01/03/08 S260	S261-0" 0 - 0.5 12/21/07 S261	S262-0" 0 - 0.5 12/13/07 S262	S263-0" 0 - 0.5 02/01/08 S263	S264-0" 0 - 0.5 01/03/08 S264	S264-12" 1 - 1.5 01/03/08 S264	S265-6" 0.5 - 1 01/20/09 S265
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	**91.7**	**130**	5.90	**986**	**425**	3.31	**143**	**5,030**	**366**
C_{22} to C_{36}	370	mg/kg	**509**	**1,180**	17.8	**4,720**	**3,660**	32.3	**635**	**8,900**	**2,650**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = es imated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (repor ing limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S266-0" 0 - 0.5 12/14/07 S266	S267-0" 0 - 0.5 01/04/08 S267	S268-0" 0 - 0.5 01/02/08 S268	S268-12" 1 - 1.5 01/02/08 S268	S269-0" 0 - 0.5 12/04/07 S269	S270-0" 0 - 0.5 12/17/07 S270	S271-0" 0 - 0.5 01/04/08 S271	S272-0" 0 - 0.5 11/28/07 S272	S273-0" 0 - 0.5 11/28/07 S273
C_6 to C_{10}	83	mg/kg	ND	13.2	21.0	78.0	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	22.5	**451**	**431**	**424**	**328**	17.0	38.0	5.00	**178**
C_{22} to C_{36}	370	mg/kg	55.3	**930**	**1,040**	**1,230**	**1,930**	**630**	273	53.1	**765**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (repor ing limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S274-0" 0 - 0.5 11/29/07 S274	S274-12" 1 - 1.5 11/29/07 S274	S275-0" 0 - 0.5 11/29/07 S275	S275-12" 1 - 1.5 11/29/07 S275	S276-0" 0 - 0.5 11/29/07 S276	S277-0" 0 - 0.5 01/31/08 S277	S278-0" 0 - 0.5 01/31/08 S278	S279-0" 0 - 0.5 12/20/07 S279	S279-12" 1 - 1.5 12/20/07 S279
C_6 to C_{10}	83	mg/kg	36.1	ND	7.20	33.0	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	**311**	3.24	**4,610**	**6,530**	**110**	64.5	**210**	67.0	ND
C_{22} to C_{36}	370	mg/kg	358	6.63	**709**	**1,010**	**675**	**495**	**936**	126	ND

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = es imated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S280-0" 0 - 0.5 01/03/08 S280	S281-0" 0 - 0.5 02/01/08 S281	S282-6" 0.5 - 1 01/20/09 S282	S282-12" 1 - 1.5 01/20/09 S282	S283-0" 0 - 0.5 01/29/08 S283	S284-0" 0 - 0.5 01/29/08 S284	S284-12" 1 - 1.5 01/30/08 S284	S285-0" 0 - 0.5 11/28/07 S285	S286-0" 0 - 0.5 11/26/07 S286
C_6 to C_{10}	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	mg/kg	**106**	**175**	4.60	ND	**1,500**	21.6	36.0	**299**	**112**
C_{22} to C_{36}	370	mg/kg	274	**594**	**1,430**	**1,520**	**4,430**	67.2	**658**	**1,180**	**844**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identifica ion

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S287-0" 0 - 0.5 11/26/07 S287	S287-12" 1 - 1.5 11/26/07 S287	S288-0" 0 - 0.5 11/26/07 S288	S289-0" 0 - 0.5 11/26/07 S289	S290-0" 0 - 0.5 11/26/07 S290	S291-0" 0 - 0.5 01/07/08 S291	S292-6" 0.5 - 1 01/19/09 S292	S293-0" 0 - 0.5 11/26/07 S293	S293-24" 2 - 2.5 11/26/07 S293
C_6 to C_{10}	83	mg/kg	ND	12.2	ND	ND	ND	ND	ND	69.2	ND
C_{10} to C_{22}	83	mg/kg	**2,010**	**839**	**183**	**135**	51.5	**135**	**195**	**7,520**	ND
C_{22} to C_{36}	370	mg/kg	**5,520**	**2,230**	**667**	**815**	**372**	**819**	152	**17,600**	ND

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = iden ification

J = estimated concentration between he detec ion and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 10
TPH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S294-0" 0 - 0.5 11/26/07 S294	S295-6" 0.5 - 1 11/26/07 S295	S296-0" 0 - 0.5 11/28/07 S296	S296-18" 1.5 - 2 11/28/07 S296	S297-6" 0.5 - 1 01/20/09 S297	S297-12" 1 - 1.5 01/20/09 S297	S298-0 0 - 0.5 12/04/07 S298
C_6 to C_{10}	83	mg/kg	ND	51.0	ND	ND	ND	ND	**110**
C_{10} to C_{22}	83	mg/kg	**1,410**	**4,580**	**410**	**330**	1.93	**651**	**20,900**
C_{22} to C_{36}	370	mg/kg	**6,230**	**9,300**	**790**	**612**	**755**	**4,210**	**8,100**

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 11
VOC DETECTION FREQUENCY IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte	Depth (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
1,1,1-Trichloroethane	0-1	3.8	3.8	1	287	0.3
	1-2	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0-1	12	12	1	287	0.3
	1-2	--	--	--	--	--
1,1,2-Trichloroethane	0-1	2.6	7.7	3	287	1.0
	1-2	--	--	--	--	--
1,2,3-Trichlorobenzene	0-1	9	9	1	287	0.3
	1-2	--	--	--	--	--
1,2,3-Trichloropropane	0-1	--	--	--	--	--
	1-2	550	550	1	73	1.4
1,2,4-Trichlorobenzene	0-1	170	170	1	287	0.3
	1-2	--	--	--	--	--
1,2,4-Trimethylbenzene	0-1	2	250,000	42	287	14.6
	1-2	3	410,000	28	73	38.4
1,2-Dichlorobenzene	0-1	1.2	2,900	3	287	1.0
	1-2	640	640	1	73	1.4
1,2-Dichloropropane	0-1	2.1	20	4	287	1.4
	1-2	22	2,000	2	73	2.7
1,3,5-Trimethylbenzene	0-1	2.8	96,000	30	287	10.5
	1-2	1.5	120,000	22	73	30.1
1,4-Dichlorobenzene	0-1	5.2	400	2	287	0.7
	1-2	89	89	1	73	1.4
2-Butanone	0-1	11	160	109	287	38.0
	1-2	17	86	15	73	20.5
2-Chlorotoluene	0-1	2.8	2.8	1	287	0.3
	1-2	--	--	--	--	--
4-Chlorotoluene	0-1	2.1	2.1	1	287	0.3
	1-2	--	--	--	--	--
4-Methyl-2-Pentanone	0-1	12	12	1	287	0.3
	1-2	--	--	--	--	--
Acetone	0-1	22	270	135	287	47.0
	1-2	33	540	21	73	28.8
Benzene	0-1	0.64	12,000	74	287	25.8
	1-2	0.61	100,000	31	73	42.5
Bromodichloromethane	0-1	2.2	140	3	287	1.0
	1-2	79	82	2	73	2.7

TABLE 11
VOC DETECTION FREQUENCY IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte	Depth (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
c-1,2-Dichloroethene	0-1	1.9	1.9	1	287	0.3
	1-2	--	--	--	--	--
Carbon Disulfide	0-1	9.6	45	10	287	3.5
	1-2	9.1	40	4	73	5.5
Chloroform	0-1	1.4	1,500	11	287	3.8
	1-2	11	1,600	4	73	5.5
Ethanol	0-1	1,600	2,600	2	287	0.7
	1-2	--	--	--	--	--
Ethylbenzene	0-1	1.2	55,000	42	287	14.6
	1-2	0.98	54,000	35	73	47.9
Isopropylbenzene	0-1	0.53	7,600	33	287	11.5
	1-2	1.3	8,400	33	73	45.2
Methylene Chloride	0-1	22	570	3	287	1.0
	1-2	580	580	1	73	1.4
Methyl tert-Butyl Ether (MTBE)	0-1	1.9	230	8	287	2.8
	1-2	5.9	320	6	73	8.2
Naphthalene	0-1	9.2	43,000	28	249	11.2
	1-2	7.4	53,000	22	71	31.0
n-Butylbenzene	0-1	0.68	16,000	34	287	11.8
	1-2	1.6	38,000	29	73	39.7
n-Propylbenzene	0-1	0.56	37,000	40	287	13.9
	1-2	0.56	47,000	36	73	49.3
o-Xylene	0-1	1.1	34,000	46	287	16.0
	1-2	1.3	40,000	25	73	34.2
m- and p-Xylenes	0-1	1.2	150,000	51	287	17.8
	1-2	3.1	150,000	24	73	32.9
p-Isopropyltoluene	0-1	0.68	4,900	31	287	10.8
	1-2	1.1	12,000	22	73	30.1
sec-Butylbenzene	0-1	0.66	5,200	34	287	11.8
	1-2	0.91	7,100	34	73	46.6
Styrene	0-1	1.7	1.7	1	287	0.3
	1-2	--	--	--	--	--
tert-Butyl Alcohol (TBA)	0-1	12	690	15	287	5.2
	1-2	21	240	10	73	13.7
tert-Butylbenzene	0-1	1.3	690	5	287	1.7
	1-2	0.81	320	4	73	5.5

TABLE 11
VOC DETECTION FREQUENCY IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte	Depth (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
Tetrachloroethene	0-1	2	40	4	287	1.4
	1-2	1.1	1.1	1	73	1.4
Toluene	0-1	0.73	3,800	66	287	23.0
	1-2	0.97	18,000	23	73	31.5
Trichloroethene	0-1	2.6	2.6	1	287	0.3
	1-2	--	--	--	--	--
Vinyl Chloride	0-1	1.5	1.5	1	287	0.3
	1-2	--	--	--	--	--
Xylenes, total	0-1	1.2	184,000	54	286	18.9
	1-2	1.8	164,000	26	73	35.6

NOTES:
bgs = below ground surface
µg/kg = micrograms per kilogram
VOC = volatile organic compound
-- = not applicable

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S001-0"	S002-0"	S003ALT-0"	S004-0"	S004-12"	S005-0"	S006-0"	S006-12"	S007-0"	S008-0"	S009-0"	S009-12"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5
Date Collected:			12/04/07	12/04/07	12/20/07	01/04/08	01/04/08	12/18/07	12/17/07	12/17/07	12/17/07	12/17/07	12/17/07	12/17/07
Location ID:	CSL	Unit	S001	S002	S003ALT	S004	S004	S005	S006	S006	S007	S008	S009	S009
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
1,1,1-Trichloroethane	4,400	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(1)	ND(0.97)	ND(1.8)	ND(1.6)	ND(1.8)	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	ND(2.8)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(5.1)	ND(4.9)	ND(9.2)	ND(8.1)	ND(8.9)	ND(12)	ND(12)	ND(10)	ND(11)	ND(11)	ND(9.5)	ND(14)
1,1,2-Trichloroethane	70	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
1,1-Dichloroethane	110	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
1,1-Dichloroethene	132	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
1,1-Dichloropropene	- -	µg/kg	ND(1)	ND(0.97)	ND(1.8)	ND(1.6)	ND(1.8)	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	ND(2.8)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(1)	ND(0.97)	ND(1.8)	ND(1.6)	ND(1.8)	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	ND(2.8)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(1)	ND(0.97)	ND(1.8)	ND(1.6)	ND(1.8)	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	ND(2.8)
1,2,4-Trichlorobenzene	110	µg/kg	ND(1)	ND(0.97)	ND(1.8)	ND(1.6)	ND(1.8)	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	ND(2.8)
1,2,4-Trimethylbenzene	330	µg/kg	ND(1)	ND(0.97)	ND(1.8)	13	14	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	13
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(2.6)	ND(2.4)	ND(4.6)	ND(4)	ND(4.4)	ND(6.1)	ND(5.9)	ND(5.2)	ND(5.6)	ND(5.5)	ND(4.8)	ND(6.9)
1,2-Dibromoethane	0.33	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
1,2-Dichlorobenzene	1,100	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
1,2-Dichloroethane	4.5	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
1,2-Dichloropropane	110	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
1,3,5-Trimethylbenzene	264	µg/kg	ND(1)	ND(0.97)	ND(1.8)	ND(1.6)	ND(1.8)	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	ND(2.8)
1,3-Dichlorobenzene	7,400	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
1,3-Dichloropropane	16,060	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
1,4-Dichlorobenzene	590	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
2,2-Dichloropropane	- -	µg/kg	ND(2.6)	ND(2.4)	ND(4.6)	ND(4)	ND(4.4)	ND(6.1)	ND(5.9)	ND(5.2)	ND(5.6)	ND(5.5)	ND(4.8)	ND(6.9)
2-Butanone	3,900	µg/kg	36	30	22	ND(16)	ND(18)	ND(24)	ND(24)	49	ND(22)	ND(22)	ND(19)	ND(28)
2-Chlorotoluene	16,060	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
2-Hexanone	- -	µg/kg	ND(10)	ND(9.7)	ND(18)	ND(16)	ND(18)	ND(24)	ND(24)	ND(21)	ND(22)	ND(22)	ND(19)	ND(28)
4-Chlorotoluene	57,200	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(10)	ND(9.7)	ND(18)	ND(16)	ND(18)	ND(24)	ND(24)	ND(21)	ND(22)	ND(22)	ND(19)	ND(28)
Acetone	500	µg/kg	ND(1,900)	ND(1,500)	120	ND(40)	ND(44)	65	160	ND(5,400)	120	120	130	140
Benzene	22	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	1	1.1	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	3.6
Bromobenzene	440	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
Bromochloromethane	- -	µg/kg	ND(1)	ND(0.97)	ND(1.8)	ND(1.6)	ND(1.8)	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	ND(2.8)
Bromodichloromethane	24.2	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
Bromoform	187	µg/kg	ND(2.6)	ND(2.4)	ND(4.6)	ND(4)	ND(4.4)	ND(6.1)	ND(5.9)	ND(5.2)	ND(5.6)	ND(5.5)	ND(4.8)	ND(6.9)
Bromomethane	191.4	µg/kg	ND(10)	ND(9.7)	ND(18)	ND(16)	ND(18)	ND(24)	ND(24)	ND(21)	ND(22)	ND(22)	ND(19)	ND(28)
c-1,2-Dichloroethene	132	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
c-1,3-Dichloropropene	- -	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
Carbon Disulfide	22,000	µg/kg	ND(5.1)	ND(4.9)	ND(9.2)	ND(8.1)	ND(8.9)	ND(12)	ND(12)	ND(10)	ND(11)	ND(11)	ND(9.5)	ND(14)
Carbon Tetrachloride	20	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
Chlorobenzene	1,500	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
Chloroethane	850	µg/kg	ND(1)	ND(0.97)	ND(1.8)	ND(1.6)	ND(1.8)	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	ND(2.8)
Chloroform	4.18	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	**11**
Chloromethane	39.6	µg/kg	ND(10)	ND(9.7)	ND(18)	ND(16)	ND(18)	ND(24)	ND(24)	ND(21)	ND(22)	ND(22)	ND(19)	ND(28)
Dibromochloromethane	17.6	µg/kg	ND(1)	ND(0.97)	ND(1.8)	ND(1.6)	ND(1.8)	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	ND(2.8)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S001-0"	S002-0"	S003ALT-0"	S004-0"	S004-12"	S005-0"	S006-0"	S006-12"	S007-0"	S008-0"	S009-0"	S009-12"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5
Date Collected:			12/04/07	12/04/07	12/20/07	01/04/08	01/04/08	12/18/07	12/17/07	12/17/07	12/17/07	12/17/07	12/17/07	12/17/07
Location ID:	CSL	Unit	S001	S002	S003ALT	S004	S004	S005	S006	S006	S007	S008	S009	S009
Dibromomethane	8,140	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
Dichlorodifluoromethane	8,580	µg/kg	ND(1)	ND(0.97)	ND(1.8)	ND(1.6)	ND(1.8)	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	ND(2.8)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
Ethanol	- -	µg/kg	ND(260)	ND(240)	ND(460)	ND(400)	ND(440)	ND(610)	ND(590)	ND(520)	ND(560)	ND(550)	ND(480)	ND(690)
Ethylbenzene	2,300	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	6.2
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
Isopropylbenzene	14,960	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	1.5
Methylene Chloride	77	µg/kg	ND(5.1)	ND(4.9)	ND(9.2)	ND(8.1)	ND(8.9)	ND(12)	ND(12)	ND(10)	ND(11)	ND(11)	ND(9.5)	ND(14)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(1)	ND(0.97)	ND(1.8)	ND(1.6)	ND(1.8)	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	ND(2.8)
Naphthalene	3.08	µg/kg	ND(5.1)	ND(4.9)	ND(9.2)	ND(8.1)	ND(8.9)	ND(12)	ND(12)	ND(10)	ND(11)	ND(11)	ND(9.5)	ND(14)
n-Butylbenzene	- -	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	3.2
n-Propylbenzene	- -	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	2.5
o-Xylene	30,800	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	3.4
p/m-Xylene	30,800	µg/kg	ND(1)	ND(0.97)	ND(1.8)	ND(1.6)	ND(1.8)	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	3.2
p-Isopropyltoluene	- -	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	1.5
sec-Butylbenzene	- -	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	1.5
Styrene	1,500	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
t-1,2-Dichloroethene	220	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
t-1,3-Dichloropropene	- -	µg/kg	ND(1)	ND(0.97)	ND(1.8)	ND(1.6)	ND(1.8)	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	ND(2.8)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
Tert-Butyl Alcohol (TBA)	75	µg/kg	12	ND(9.7)	ND(18)	ND(16)	ND(18)	ND(24)	ND(24)	ND(21)	ND(22)	31	ND(19)	**82**
tert-Butylbenzene	- -	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
Tetrachloroethene	110	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	40	ND(1.4)
Toluene	2,900	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	5.1
Trichloroethene	110	µg/kg	ND(1)	ND(0.97)	ND(1.8)	ND(1.6)	ND(1.8)	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	ND(2.8)
Trichlorofluoromethane	3,300	µg/kg	ND(5.1)	ND(4.9)	ND(9.2)	ND(8.1)	ND(8.9)	ND(12)	ND(12)	ND(10)	ND(11)	ND(11)	ND(9.5)	ND(14)
Vinyl Acetate	9,020	µg/kg	ND(5.1)	ND(4.9)	ND(9.2)	ND(8.1)	ND(8.9)	ND(12)	ND(12)	ND(10)	ND(11)	ND(11)	ND(9.5)	ND(14)
Vinyl Chloride	11	µg/kg	ND(0.51)	ND(0.49)	ND(0.92)	ND(0.81)	ND(0.89)	ND(1.2)	ND(1.2)	ND(1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(1.4)
Xylenes, total	2,300	µg/kg	ND(1)	ND(0.97)	ND(1.8)	ND(1.6)	ND(1.8)	ND(2.4)	ND(2.4)	ND(2.1)	ND(2.2)	ND(2.2)	ND(1.9)	6.6

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the diluted sample.

D = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S010-6"	S011-0"	S011-12"	S012B-0"	S013-0"	S014-0"	S015-0"	S016B-0"	S016B-12"	S017-0"	S018-0"	S019-0"
Depth (feet bgs):			0.5 - 1	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			01/19/09	12/17/07	12/17/07	12/18/07	01/04/08	12/04/07	12/04/07	01/02/08	01/02/08	12/04/07	12/20/07	12/18/07
Location ID:	CSL	Unit	S010	S011	S011	S012	S013	S014	S015	S016	S016	S017	S018	S019
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
1,1,1-Trichloroethane	4,400	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(3.1)	ND(280)	ND(390)	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	ND(1.9)	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(16)	ND(1,400)	ND(2,000)	ND(11)	ND(9.2)	ND(11)	ND(7.3)	ND(9.4)	ND(8.1)	ND(13)	ND(9.1)	ND(10)
1,1,2-Trichloroethane	70	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
1,1-Dichloroethane	110	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
1,1-Dichloroethene	132	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
1,1-Dichloropropene	- -	µg/kg	ND(3.1)	ND(280)	ND(390)	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	ND(1.9)	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(3.1)	ND(280)	ND(390)	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	ND(1.9)	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(3.1)	ND(280)	ND(390)	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	ND(1.9)	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)
1,2,4-Trichlorobenzene	110	µg/kg	ND(3.1)	ND(280)	ND(390)	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	ND(1.9)	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)
1,2,4-Trimethylbenzene	330	µg/kg	ND(3.1)	**2,600**	**28,000**	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	2	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(7.8)	ND(690)	ND(990)	ND(5.6)	ND(4.6)	ND(5.3)	ND(3.7)	ND(4.7)	ND(4)	ND(6.3)	ND(4.5)	ND(5.2)
1,2-Dibromoethane	0.33	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
1,2-Dichlorobenzene	1,100	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	7.4	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
1,2-Dichloroethane	4.5	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
1,2-Dichloropropane	110	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
1,3,5-Trimethylbenzene	264	µg/kg	ND(3.1)	**280**	**1,600**	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	ND(1.9)	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)
1,3-Dichlorobenzene	7,400	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
1,3-Dichloropropane	16,060	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
1,4-Dichlorobenzene	590	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	5.2	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
2,2-Dichloropropane	- -	µg/kg	ND(7.8)	ND(690)	ND(990)	ND(5.6)	ND(4.6)	ND(5.3)	ND(3.7)	ND(4.7)	ND(4)	ND(6.3)	ND(4.5)	ND(5.2)
2-Butanone	3,900	µg/kg	ND(31)	ND(2,800)	ND(3,900)	ND(22)	ND(18)	70	34	ND(19)	ND(16)	35	29	27
2-Chlorotoluene	16,060	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
2-Hexanone	- -	µg/kg	ND(31)	ND(2,800)	ND(3,900)	ND(22)	ND(18)	ND(21)	ND(15)	ND(19)	ND(16)	ND(25)	ND(18)	ND(21)
4-Chlorotoluene	57,200	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(31)	ND(2,800)	ND(3,900)	ND(22)	ND(18)	ND(21)	ND(15)	ND(19)	ND(16)	ND(25)	ND(18)	ND(21)
Acetone	500	µg/kg	140	ND(6,900)	ND(9,900)	65	ND(46)	ND(2,300)	140	94	ND(40)	200	110	110
Benzene	22	µg/kg	ND(1.6)	**810**	**1,900**	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	4.1	ND(0.81)	ND(1.3)	21	ND(1)
Bromobenzene	440	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Bromochloromethane	- -	µg/kg	ND(3.1)	ND(280)	ND(390)	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	ND(1.9)	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)
Bromodichloromethane	24.2	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Bromoform	187	µg/kg	ND(7.8)	ND(690)	ND(990)	ND(5.6)	ND(4.6)	ND(5.3)	ND(3.7)	ND(4.7)	ND(4)	ND(6.3)	ND(4.5)	ND(5.2)
Bromomethane	191.4	µg/kg	ND(31)	ND(2,800)	ND(3,900)	ND(22)	ND(18)	ND(21)	ND(15)	ND(19)	ND(16)	ND(25)	ND(18)	ND(21)
c-1,2-Dichloroethene	132	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
c-1,3-Dichloropropene	- -	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Carbon Disulfide	22,000	µg/kg	ND(16)	ND(1,400)	ND(2,000)	ND(11)	ND(9.2)	ND(11)	ND(7.3)	ND(9.4)	ND(8.1)	19	ND(9.1)	ND(10)
Carbon Tetrachloride	20	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Chlorobenzene	1,500	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Chloroethane	850	µg/kg	ND(3.1)	ND(280)	ND(390)	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	ND(1.9)	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)
Chloroform	4.18	µg/kg	ND(1.6)	**420**	**1,300**	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Chloromethane	39.6	µg/kg	ND(31)	ND(2,800)	ND(3,900)	ND(22)	ND(18)	ND(21)	ND(15)	ND(19)	ND(16)	ND(25)	ND(18)	ND(21)
Dibromochloromethane	17.6	µg/kg	ND(3.1)	ND(280)	ND(390)	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	ND(1.9)	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S010-6"	S011-0"	S011-12"	S012B-0"	S013-0"	S014-0"	S015-0"	S016B-0"	S016B-12"	S017-0"	S018-0"	S019-0"
Depth (feet bgs):			0.5 - 1	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			01/19/09	12/17/07	12/17/07	12/18/07	01/04/08	12/04/07	12/04/07	01/02/08	01/02/08	12/04/07	12/20/07	12/18/07
Location ID:	CSL	Unit	S010	S011	S011	S012	S013	S014	S015	S016	S016	S017	S018	S019
Dibromomethane	8,140	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Dichlorodifluoromethane	8,580	µg/kg	ND(3.1)	ND(280)	ND(390)	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	ND(1.9)	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Ethanol	- -	µg/kg	ND(780)	ND(69,000)	ND(99,000)	ND(560)	ND(460)	ND(530)	ND(370)	ND(470)	ND(400)	ND(630)	ND(450)	ND(520)
Ethylbenzene	2,300	µg/kg	ND(1.6)	910	**7,100**	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	1.9	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Isopropylbenzene	14,960	µg/kg	ND(1.6)	140	1,500	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Methylene Chloride	77	µg/kg	ND(16)	ND(1,400)	ND(2,000)	ND(11)	ND(9.2)	ND(11)	ND(7.3)	ND(9.4)	ND(8.1)	ND(13)	ND(9.1)	ND(10)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(3.1)	ND(280)	ND(390)	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	ND(1.9)	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)
Naphthalene	3.08	µg/kg	ND(16)	**1,500**	**17,000**	ND(11)	ND(9.2)	ND(11)	ND(7.3)	ND(9.4)	ND(8.1)	ND(13)	ND(9.1)	ND(10)
n-Butylbenzene	- -	µg/kg	ND(1.6)	510	5,100	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
n-Propylbenzene	- -	µg/kg	ND(3.1)	230	2,600	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
o-Xylene	30,800	µg/kg	ND(1.6)	180	730	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	1.1	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
p/m-Xylene	30,800	µg/kg	ND(3.1)	790	3,000	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	3.1	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)
p-Isopropyltoluene	- -	µg/kg	ND(1.6)	300	3,200	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
sec-Butylbenzene	- -	µg/kg	ND(1.6)	170	1,300	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Styrene	1,500	µg/kg	1.7	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
t-1,2-Dichloroethene	220	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
t-1,3-Dichloropropene	- -	µg/kg	ND(3.1)	ND(280)	ND(390)	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	ND(1.9)	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(31)	ND(2,800)	ND(3,900)	ND(22)	ND(18)	ND(21)	ND(15)	ND(19)	ND(16)	ND(25)	ND(18)	ND(21)
tert-Butylbenzene	- -	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	1.3	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Tetrachloroethene	110	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Toluene	2,900	µg/kg	1.6	ND(140)	280	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Trichloroethene	110	µg/kg	ND(3.1)	ND(280)	ND(390)	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	ND(1.9)	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)
Trichlorofluoromethane	3,300	µg/kg	ND(16)	ND(1,400)	ND(2,000)	ND(11)	ND(9.2)	ND(11)	ND(7.3)	ND(9.4)	ND(8.1)	ND(13)	ND(9.1)	ND(10)
Vinyl Acetate	9,020	µg/kg	ND(16)	ND(1,400)	ND(2,000)	ND(11)	ND(9.2)	ND(11)	ND(7.3)	ND(9.4)	ND(8.1)	ND(13)	ND(9.1)	ND(10)
Vinyl Chloride	11	µg/kg	ND(1.6)	ND(140)	ND(200)	ND(1.1)	ND(0.92)	ND(1.1)	ND(0.73)	ND(0.94)	ND(0.81)	ND(1.3)	ND(0.91)	ND(1)
Xylenes, total	2,300	µg/kg	NA	970	**3,730**	ND(2.2)	ND(1.8)	ND(2.1)	ND(1.5)	4.2	ND(1.6)	ND(2.5)	ND(1.8)	ND(2.1)

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S020-0"	S020-12"	S021-6"	S022-0"	S023-0"	S024-0"	S025-0"	S025-12"	S026-0"	S026-12"	S027-0"	S028-0"
Depth (feet bgs):			0 - 0.5	1 - 1.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
Date Collected:			12/18/07	12/18/07	01/19/09	12/17/07	12/17/07	12/17/07	12/18/07	12/18/07	12/18/07	12/18/07	12/20/07	12/04/07
Location ID:	CSL	Unit	S020	S020	S021	S022	S023	S024	S025	S025	S026	S026	S027	S028
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
1,1,1-Trichloroethane	4,400	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(400)	ND(380)	ND(2.6)	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	ND(2.4)	ND(490)	ND(350)	ND(430)	ND(2.2)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(2,000)	ND(1,900)	ND(13)	ND(8.5)	ND(10)	ND(12)	ND(12)	ND(12)	ND(2,500)	ND(1,700)	ND(2,200)	ND(11)
1,1,2-Trichloroethane	70	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
1,1-Dichloroethane	110	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
1,1-Dichloroethene	132	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
1,1-Dichloropropene	- -	µg/kg	ND(400)	ND(380)	ND(2.6)	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	ND(2.4)	ND(490)	ND(350)	ND(430)	ND(2.2)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(400)	ND(380)	ND(2.6)	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	ND(2.4)	ND(490)	ND(350)	ND(430)	ND(2.2)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(400)	ND(380)	ND(2.6)	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	ND(2.4)	ND(490)	ND(350)	ND(430)	ND(2.2)
1,2,4-Trichlorobenzene	110	µg/kg	ND(400)	ND(380)	ND(2.6)	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	ND(2.4)	ND(490)	ND(350)	ND(430)	ND(2.2)
1,2,4-Trimethylbenzene	330	µg/kg	ND(400)	ND(380)	ND(2.6)	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	ND(2.4)	ND(490)	ND(350)	ND(430)	ND(2.2)
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(1,000)	ND(950)	ND(6.6)	ND(4.2)	ND(5)	ND(6)	ND(6)	ND(6.1)	ND(1,200)	ND(870)	ND(1,100)	ND(5.6)
1,2-Dibromoethane	0.33	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
1,2-Dichlorobenzene	1,100	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
1,2-Dichloroethane	4.5	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
1,2-Dichloropropane	110	µg/kg	ND(200)	**2,000**	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
1,3,5-Trimethylbenzene	264	µg/kg	ND(400)	ND(380)	ND(2.6)	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	ND(2.4)	ND(490)	ND(350)	ND(430)	ND(2.2)
1,3-Dichlorobenzene	7,400	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
1,3-Dichloropropane	16,060	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
1,4-Dichlorobenzene	590	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
2,2-Dichloropropane	- -	µg/kg	ND(1,000)	ND(950)	ND(6.6)	ND(4.2)	ND(5)	ND(6)	ND(6)	ND(6.1)	ND(1,200)	ND(870)	ND(1,100)	ND(5.6)
2-Butanone	3,900	µg/kg	ND(4,000)	ND(3,800)	ND(26)	ND(17)	24	ND(24)	62	37	ND(4,900)	ND(3,500)	ND(4,300)	ND(22)
2-Chlorotoluene	16,060	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
2-Hexanone	- -	µg/kg	ND(4,000)	ND(3,800)	ND(26)	ND(17)	ND(20)	ND(24)	ND(24)	ND(24)	ND(4,900)	ND(3,500)	ND(4,300)	ND(22)
4-Chlorotoluene	57,200	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(4,000)	ND(3,800)	ND(26)	ND(17)	ND(20)	ND(24)	ND(24)	ND(24)	ND(4,900)	ND(3,500)	ND(4,300)	ND(22)
Acetone	500	µg/kg	ND(10,000)	ND(9,500)	96	65	110	ND(60)	200	110	ND(12,000)	ND(8,700)	ND(11,000)	140
Benzene	22	µg/kg	**3,500**	**4,700**	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	**190**	**72**	ND(250)	ND(170)	**740**	ND(1.1)
Bromobenzene	440	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
Bromochloromethane	- -	µg/kg	ND(400)	ND(380)	ND(2.6)	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	ND(2.4)	ND(490)	ND(350)	ND(430)	ND(2.2)
Bromodichloromethane	24.2	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
Bromoform	187	µg/kg	ND(1,000)	ND(950)	ND(6.6)	ND(4.2)	ND(5)	ND(6)	ND(6)	ND(6.1)	ND(1,200)	ND(870)	ND(1,100)	ND(5.6)
Bromomethane	191.4	µg/kg	ND(4,000)	ND(3,800)	ND(26)	ND(17)	ND(20)	ND(24)	ND(24)	ND(24)	ND(4,900)	ND(3,500)	ND(4,300)	ND(22)
c-1,2-Dichloroethene	132	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
c-1,3-Dichloropropene	- -	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
Carbon Disulfide	22,000	µg/kg	ND(2,000)	ND(1,900)	ND(13)	ND(8.5)	ND(10)	ND(12)	ND(12)	ND(12)	ND(2,500)	ND(1,700)	ND(2,200)	ND(11)
Carbon Tetrachloride	20	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
Chlorobenzene	1,500	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
Chloroethane	850	µg/kg	ND(400)	ND(380)	ND(2.6)	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	ND(2.4)	ND(490)	ND(350)	ND(430)	ND(2.2)
Chloroform	4.18	µg/kg	**1,500**	**1,600**	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
Chloromethane	39.6	µg/kg	ND(4,000)	ND(3,800)	ND(26)	ND(17)	ND(20)	ND(24)	ND(24)	ND(24)	ND(4,900)	ND(3,500)	ND(4,300)	ND(22)
Dibromochloromethane	17.6	µg/kg	ND(400)	ND(380)	ND(2.6)	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	ND(2.4)	ND(490)	ND(350)	ND(430)	ND(2.2)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S020-0"	S020-12"	S021-6"	S022-0"	S023-0"	S024-0"	S025-0"	S025-12"	S026-0"	S026-12"	S027-0"	S028-0"
Depth (feet bgs):			0 - 0.5	1 - 1.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
Date Collected:			12/18/07	12/18/07	01/19/09	12/17/07	12/17/07	12/17/07	12/18/07	12/18/07	12/18/07	12/18/07	12/20/07	12/04/07
Location ID:	CSL	Unit	S020	S020	S021	S022	S023	S024	S025	S025	S026	S026	S027	S028
Dibromomethane	8,140	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
Dichlorodifluoromethane	8,580	µg/kg	ND(400)	ND(380)	ND(2.6)	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	ND(2.4)	ND(490)	ND(350)	ND(430)	ND(2.2)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
Ethanol	- -	µg/kg	ND(100,000)	ND(95,000)	ND(660)	ND(420)	ND(500)	ND(600)	ND(600)	ND(610)	ND(120,000)	ND(87,000)	ND(110,000)	ND(560)
Ethylbenzene	2,300	µg/kg	ND(200)	270	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	2	2.9	ND(250)	ND(170)	ND(220)	ND(1.1)
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
Isopropylbenzene	14,960	µg/kg	480	880	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	440	3,500	4,800	ND(1.1)
Methylene Chloride	77	µg/kg	ND(2,000)	ND(1,900)	ND(13)	ND(8.5)	ND(10)	ND(12)	ND(12)	ND(12)	ND(2,500)	ND(1,700)	ND(2,200)	ND(11)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(400)	ND(380)	ND(2.6)	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	ND(2.4)	ND(490)	ND(350)	ND(430)	ND(2.2)
Naphthalene	3.08	µg/kg	**4,100**	**4,500**	ND(13)	ND(8.5)	ND(10)	ND(12)	ND(12)	ND(12)	ND(2,500)	ND(1,700)	**43,000**	ND(11)
n-Butylbenzene	- -	µg/kg	630	910	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	320	1,500	3,800	ND(1.1)
n-Propylbenzene	- -	µg/kg	610	1,100	ND(2.6)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	540	4,200	6,200	ND(1.1)
o-Xylene	30,800	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	1.4	ND(250)	ND(170)	ND(220)	ND(1.1)
p/m-Xylene	30,800	µg/kg	ND(400)	ND(380)	ND(2.6)	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	3.3	ND(490)	ND(350)	ND(430)	ND(2.2)
p-Isopropyltoluene	- -	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
sec-Butylbenzene	- -	µg/kg	690	1,200	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	370	2,200	5,200	ND(1.1)
Styrene	1,500	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
t-1,2-Dichloroethene	220	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
t-1,3-Dichloropropene	- -	µg/kg	ND(400)	ND(380)	ND(2.6)	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	ND(2.4)	ND(490)	ND(350)	ND(430)	ND(2.2)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(4,000)	ND(3,800)	ND(26)	ND(17)	ND(20)	ND(24)	**200**	**240**	ND(4,900)	ND(3,500)	ND(4,300)	ND(22)
tert-Butylbenzene	- -	µg/kg	200	280	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	320	690	ND(1.1)
Tetrachloroethene	110	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
Toluene	2,900	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	5.8	13	ND(250)	ND(170)	ND(220)	ND(1.1)
Trichloroethene	110	µg/kg	ND(400)	ND(380)	ND(2.6)	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	ND(2.4)	ND(490)	ND(350)	ND(430)	ND(2.2)
Trichlorofluoromethane	3,300	µg/kg	ND(2,000)	ND(1,900)	ND(13)	ND(8.5)	ND(10)	ND(12)	ND(12)	ND(12)	ND(2,500)	ND(1,700)	ND(2,200)	ND(11)
Vinyl Acetate	9,020	µg/kg	ND(2,000)	ND(1,900)	ND(13)	ND(8.5)	ND(10)	ND(12)	ND(12)	ND(12)	ND(2,500)	ND(1,700)	ND(2,200)	ND(11)
Vinyl Chloride	11	µg/kg	ND(200)	ND(190)	ND(1.3)	ND(0.85)	ND(1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(250)	ND(170)	ND(220)	ND(1.1)
Xylenes, total	2,300	µg/kg	ND(400)	ND(380)	NA	ND(1.7)	ND(2)	ND(2.4)	ND(2.4)	4.7	ND(490)	ND(350)	ND(430)	ND(2.2)

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S029-0"	S029-18"	S030-12"	S031-0"	S032-0"	S033-0"	S034-0"	S035-0"	S036-0"	S037-0"	S037-20"
Depth (feet bgs):			0 - 0.5	1.5 - 2	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1.67 - 2.167
Date Collected:			12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07
Location ID:	CSL	Unit	S029	S029	S030	S031	S032	S033	S034	S035	S036	S037	S037
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
1,1,1-Trichloroethane	4,400	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(110)	ND(93)	ND(98)	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	ND(180)	ND(1,000)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(560)	ND(460)	ND(490)	ND(12)	ND(5.1)	ND(6.3)	ND(10)	ND(510)	ND(11)	ND(920)	ND(5,200)
1,1,2-Trichloroethane	70	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
1,1-Dichloroethane	110	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
1,1-Dichloroethene	132	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
1,1-Dichloropropene	- -	µg/kg	ND(110)	ND(93)	ND(98)	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	ND(180)	ND(1,000)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(110)	ND(93)	ND(98)	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	ND(180)	ND(1,000)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(110)	ND(93)	ND(98)	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	ND(180)	ND(1,000)
1,2,4-Trichlorobenzene	110	µg/kg	ND(110)	ND(93)	ND(98)	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	ND(180)	ND(1,000)
1,2,4-Trimethylbenzene	330	µg/kg	**840**	**630**	**3,900**	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	**8,600**	**60,000**
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(280)	ND(230)	ND(240)	ND(5.8)	ND(2.5)	ND(3.1)	ND(5.2)	ND(260)	ND(5.3)	ND(460)	ND(2,600)
1,2-Dibromoethane	0.33	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
1,2-Dichlorobenzene	1,100	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
1,2-Dichloroethane	4.5	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
1,2-Dichloropropane	110	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
1,3,5-Trimethylbenzene	264	µg/kg	**410**	ND(93)	**1,500**	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	**5,300**	**28,000**
1,3-Dichlorobenzene	7,400	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
1,3-Dichloropropane	16,060	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
1,4-Dichlorobenzene	590	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
2,2-Dichloropropane	- -	µg/kg	ND(280)	ND(230)	ND(240)	ND(5.8)	ND(2.5)	ND(3.1)	ND(5.2)	ND(260)	ND(5.3)	ND(460)	ND(2,600)
2-Butanone	3,900	µg/kg	ND(1,100)	ND(930)	ND(980)	44	31	54	72	ND(1,000)	28	ND(1,800)	ND(10,000)
2-Chlorotoluene	16,060	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
2-Hexanone	- -	µg/kg	ND(1,100)	ND(930)	ND(980)	ND(23)	ND(10)	ND(13)	ND(21)	ND(1,000)	ND(21)	ND(1,800)	ND(10,000)
4-Chlorotoluene	57,200	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(1,100)	ND(930)	ND(980)	ND(23)	ND(10)	ND(13)	ND(21)	ND(1,000)	ND(21)	ND(1,800)	ND(10,000)
Acetone	500	µg/kg	ND(2,800)	ND(2,300)	ND(2,400)	ND(2,000)	ND(1,600)	ND(1,800)	ND(2,100)	ND(2,600)	150	ND(4,600)	ND(26,000)
Benzene	22	µg/kg	ND(56)	ND(46)	**230**	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	**700**	**2,600**
Bromobenzene	440	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
Bromochloromethane	- -	µg/kg	ND(110)	ND(93)	ND(98)	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	ND(180)	ND(1,000)
Bromodichloromethane	24.2	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
Bromoform	187	µg/kg	ND(280)	ND(230)	ND(240)	ND(5.8)	ND(2.5)	ND(3.1)	ND(5.2)	ND(260)	ND(5.3)	ND(460)	ND(2,600)
Bromomethane	191.4	µg/kg	ND(1,100)	ND(930)	ND(980)	ND(23)	ND(10)	ND(13)	ND(21)	ND(1,000)	ND(21)	ND(1,800)	ND(10,000)
c-1,2-Dichloroethene	132	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
c-1,3-Dichloropropene	- -	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
Carbon Disulfide	22,000	µg/kg	ND(560)	ND(460)	ND(490)	ND(12)	ND(5.1)	ND(6.3)	ND(10)	ND(510)	ND(11)	ND(920)	ND(5,200)
Carbon Tetrachloride	20	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
Chlorobenzene	1,500	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
Chloroethane	850	µg/kg	ND(110)	ND(93)	ND(98)	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	ND(180)	ND(1,000)
Chloroform	4.18	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
Chloromethane	39.6	µg/kg	ND(1,100)	ND(930)	ND(980)	ND(23)	ND(10)	ND(13)	ND(21)	ND(1,000)	ND(21)	ND(1,800)	ND(10,000)
Dibromochloromethane	17.6	µg/kg	ND(110)	ND(93)	ND(98)	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	ND(180)	ND(1,000)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S029-0"	S029-18"	S030-12"	S031-0"	S032-0"	S033-0"	S034-0"	S035-0"	S036-0"	S037-0"	S037-20"
Depth (feet bgs):			0 - 0.5	1.5 - 2	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1.67 - 2.167
Date Collected:			12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07
Location ID:	CSL	Unit	S029	S029	S030	S031	S032	S033	S034	S035	S036	S037	S037
Dibromomethane	8,140	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
Dichlorodifluoromethane	8,580	µg/kg	ND(110)	ND(93)	ND(98)	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	ND(180)	ND(1,000)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
Ethanol	- -	µg/kg	ND(28,000)	ND(23,000)	ND(24,000)	ND(580)	ND(250)	ND(310)	ND(520)	ND(26,000)	ND(530)	ND(46,000)	ND(260,000)
Ethylbenzene	2,300	µg/kg	690	**3,900**	730	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	**3,000**	**19,000**
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
Isopropylbenzene	14,960	µg/kg	1,300	2,000	240	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	820	4,500
Methylene Chloride	77	µg/kg	ND(560)	ND(460)	ND(490)	ND(12)	ND(5.1)	ND(6.3)	ND(10)	ND(510)	ND(11)	ND(920)	ND(5,200)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(110)	ND(93)	ND(98)	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	ND(180)	ND(1,000)
Naphthalene	3.08	µg/kg	**3,800**	**4,600**	**2,100**	ND(12)	ND(5.1)	ND(6.3)	ND(10)	ND(510)	ND(11)	**1,900**	**16,000**
n-Butylbenzene	- -	µg/kg	1,800	1,600	970	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	1,900	11,000
n-Propylbenzene	- -	µg/kg	1,900	4,000	480	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	1,000	6,600
o-Xylene	30,800	µg/kg	230	110	1,000	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	6,200	**40,000**
p/m-Xylene	30,800	µg/kg	330	130	1,500	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	8,200	**89,000**
p-Isopropyltoluene	- -	µg/kg	970	140	510	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	2,100	12,000
sec-Butylbenzene	- -	µg/kg	1,600	1,400	500	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	390	2,000
Styrene	1,500	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
t-1,2-Dichloroethene	220	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
t-1,3-Dichloropropene	- -	µg/kg	ND(110)	ND(93)	ND(98)	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	ND(180)	ND(1,000)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(1,100)	ND(930)	ND(980)	ND(23)	ND(10)	ND(13)	ND(21)	ND(1,000)	ND(21)	ND(1,800)	ND(10,000)
tert-Butylbenzene	- -	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
Tetrachloroethene	110	µg/kg	ND(56)	ND(46)	ND(49)	2	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
Toluene	2,900	µg/kg	77	ND(46)	310	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	**3,800**	**18,000**
Trichloroethene	110	µg/kg	ND(110)	ND(93)	ND(98)	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	ND(180)	ND(1,000)
Trichlorofluoromethane	3,300	µg/kg	ND(560)	ND(460)	ND(490)	ND(12)	ND(5.1)	ND(6.3)	ND(10)	ND(510)	ND(11)	ND(920)	ND(5,200)
Vinyl Acetate	9,020	µg/kg	ND(560)	ND(460)	ND(490)	ND(12)	ND(5.1)	ND(6.3)	ND(10)	ND(510)	ND(11)	ND(920)	ND(5,200)
Vinyl Chloride	11	µg/kg	ND(56)	ND(46)	ND(49)	ND(1.2)	ND(0.51)	ND(0.63)	ND(1)	ND(51)	ND(1.1)	ND(92)	ND(520)
Xylenes, total	2,300	µg/kg	560	240	**2,500**	ND(2.3)	ND(1)	ND(1.3)	ND(2.1)	ND(100)	ND(2.1)	**14,400**	**129,000**

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S038-0"	S039-0"	S039-12"	S040-0"	S040-12"	S041-0"	S042-0"	S042-12"	S043-0"	S044-0"	S045-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			12/20/07	01/02/08	01/02/08	12/20/07	12/20/07	01/30/08	01/30/08	01/30/08	01/30/08	12/20/07	12/20/07
Location ID:	CSL	Unit	S038	S039	S039	S040	S040	S041	S042	S042	S043	S044	S045
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
1,1,1-Trichloroethane	4,400	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(1.7)	ND(2.2)	ND(180)	ND(2.9)	ND(2.4)	ND(110)	ND(110)	ND(120)	ND(95)	ND(210)	ND(1.9)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(8.3)	ND(11)	ND(920)	ND(14)	ND(12)	ND(560)	ND(550)	ND(600)	ND(480)	ND(1,000)	ND(9.5)
1,1,2-Trichloroethane	70	µg/kg	ND(0.83)	2.6	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
1,1-Dichloroethane	110	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
1,1-Dichloroethene	132	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
1,1-Dichloropropene	- -	µg/kg	ND(1.7)	ND(2.2)	ND(180)	ND(2.9)	ND(2.4)	ND(110)	ND(110)	ND(120)	ND(95)	ND(210)	ND(1.9)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(1.7)	ND(2.2)	ND(180)	ND(2.9)	ND(2.4)	ND(110)	ND(110)	ND(120)	ND(95)	ND(210)	ND(1.9)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(1.7)	ND(2.2)	ND(180)	ND(2.9)	ND(2.4)	ND(110)	ND(110)	ND(120)	ND(95)	ND(210)	ND(1.9)
1,2,4-Trichlorobenzene	110	µg/kg	ND(1.7)	ND(2.2)	ND(180)	ND(2.9)	ND(2.4)	ND(110)	ND(110)	ND(120)	ND(95)	ND(210)	ND(1.9)
1,2,4-Trimethylbenzene	330	µg/kg	ND(1.7)	9.8	**1,100**	ND(2.9)	ND(2.4)	ND(110)	ND(110)	ND(120)	ND(95)	ND(210)	21
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(4.2)	ND(5.5)	ND(460)	ND(7.2)	ND(5.9)	ND(280)	ND(270)	ND(300)	ND(240)	ND(520)	ND(4.8)
1,2-Dibromoethane	0.33	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
1,2-Dichlorobenzene	1,100	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
1,2-Dichloroethane	4.5	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
1,2-Dichloropropane	110	µg/kg	ND(0.83)	ND(1.1)	ND(92)	16	22	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	20
1,3,5-Trimethylbenzene	264	µg/kg	ND(1.7)	ND(2.2)	ND(180)	ND(2.9)	ND(2.4)	ND(110)	ND(110)	ND(120)	ND(95)	ND(210)	11
1,3-Dichlorobenzene	7,400	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
1,3-Dichloropropane	16,060	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
1,4-Dichlorobenzene	590	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
2,2-Dichloropropane	- -	µg/kg	ND(4.2)	ND(5.5)	ND(460)	ND(7.2)	ND(5.9)	ND(280)	ND(270)	ND(300)	ND(240)	ND(520)	ND(4.8)
2-Butanone	3,900	µg/kg	92	35	ND(1,800)	ND(1,200)	31	ND(1,100)	ND(1,100)	ND(1,200)	ND(950)	ND(2,100)	ND(19)
2-Chlorotoluene	16,060	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
2-Hexanone	- -	µg/kg	ND(17)	ND(22)	ND(1,800)	ND(29)	ND(24)	ND(1,100)	ND(1,100)	ND(1,200)	ND(950)	ND(2,100)	ND(19)
4-Chlorotoluene	57,200	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(17)	ND(22)	ND(1,800)	ND(29)	ND(24)	ND(1,100)	ND(1,100)	ND(1,200)	ND(950)	ND(2,100)	ND(19)
Acetone	500	µg/kg	ND(2,300)	ND(3,000)	ND(4,600)	ND(3,000)	ND(2,700)	ND(2,800)	ND(2,700)	ND(3,000)	ND(2,400)	ND(5,200)	97
Benzene	22	µg/kg	ND(0.83)	22	**420**	19	**35**	ND(56)	**140**	**320**	ND(48)	ND(100)	**50**
Bromobenzene	440	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
Bromochloromethane	- -	µg/kg	ND(1.7)	ND(2.2)	ND(180)	ND(2.9)	ND(2.4)	ND(110)	ND(110)	ND(120)	ND(95)	ND(210)	ND(1.9)
Bromodichloromethane	24.2	µg/kg	ND(0.83)	ND(1.1)	ND(92)	2.2	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	**25**
Bromoform	187	µg/kg	ND(4.2)	ND(5.5)	ND(460)	ND(7.2)	ND(5.9)	ND(280)	ND(270)	ND(300)	ND(240)	ND(520)	ND(4.8)
Bromomethane	191.4	µg/kg	ND(17)	ND(22)	ND(1,800)	ND(29)	ND(24)	ND(1,100)	ND(1,100)	ND(1,200)	ND(950)	ND(2,100)	ND(19)
c-1,2-Dichloroethene	132	µg/kg	ND(0.83)	ND(1.1)	ND(92)	1.9	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
c-1,3-Dichloropropene	- -	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
Carbon Disulfide	22,000	µg/kg	ND(8.3)	ND(11)	ND(920)	ND(14)	ND(12)	ND(560)	ND(550)	ND(600)	ND(480)	ND(1,000)	10
Carbon Tetrachloride	20	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
Chlorobenzene	1,500	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
Chloroethane	850	µg/kg	ND(1.7)	ND(2.2)	ND(180)	ND(2.9)	ND(2.4)	ND(110)	ND(110)	ND(120)	ND(95)	ND(210)	ND(1.9)
Chloroform	4.18	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	**240**	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
Chloromethane	39.6	µg/kg	ND(17)	ND(22)	ND(1,800)	ND(29)	ND(24)	ND(1,100)	ND(1,100)	ND(1,200)	ND(950)	ND(2,100)	ND(19)
Dibromochloromethane	17.6	µg/kg	ND(1.7)	ND(2.2)	ND(180)	ND(2.9)	ND(2.4)	ND(110)	ND(110)	ND(120)	ND(95)	ND(210)	ND(1.9)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S038-0"	S039-0"	S039-12"	S040-0"	S040-12"	S041-0"	S042-0"	S042-12"	S043-0"	S044-0"	S045-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			12/20/07	01/02/08	01/02/08	12/20/07	12/20/07	01/30/08	01/30/08	01/30/08	01/30/08	12/20/07	12/20/07
Location ID:	CSL	Unit	S038	S039	S039	S040	S040	S041	S042	S042	S043	S044	S045
Dibromomethane	8,140	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
Dichlorodifluoromethane	8,580	µg/kg	ND(1.7)	ND(2.2)	ND(180)	ND(2.9)	ND(2.4)	ND(110)	ND(110)	ND(120)	ND(95)	ND(210)	ND(1.9)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
Ethanol	- -	µg/kg	ND(420)	ND(550)	ND(46,000)	ND(720)	ND(590)	ND(28,000)	ND(27,000)	ND(30,000)	ND(24,000)	ND(52,000)	ND(480)
Ethylbenzene	2,300	µg/kg	ND(0.83)	8	1,600	ND(1.4)	ND(1.2)	ND(56)	ND(55)	130	ND(48)	ND(100)	89
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
Isopropylbenzene	14,960	µg/kg	ND(0.83)	2.4	510	ND(1.4)	1.9	ND(56)	430	1,100	120	ND(100)	34
Methylene Chloride	77	µg/kg	ND(8.3)	22	ND(920)	ND(14)	ND(12)	ND(560)	ND(550)	ND(600)	ND(480)	ND(1,000)	ND(9.5)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(1.7)	ND(2.2)	ND(180)	ND(2.9)	ND(2.4)	ND(110)	ND(110)	ND(120)	ND(95)	ND(210)	ND(1.9)
Naphthalene	3.08	µg/kg	ND(8.3)	**15**	**12,000**	ND(14)	ND(12)	ND(560)	**15,000 E**	**31,000 D**	ND(480)	ND(1,000)	**110**
n-Butylbenzene	- -	µg/kg	ND(0.83)	3.9	2,100	ND(1.4)	ND(1.2)	ND(56)	1,000	2,300	ND(48)	ND(100)	16
n-Propylbenzene	- -	µg/kg	ND(0.83)	3.6	970	ND(1.4)	1.7	ND(56)	1,300	3,300	150	ND(100)	43
o-Xylene	30,800	µg/kg	ND(0.83)	3.9	500	ND(1.4)	ND(1.2)	ND(56)	63	130	ND(48)	ND(100)	5.1
p/m-Xylene	30,800	µg/kg	ND(1.7)	4.5	440	ND(2.9)	ND(2.4)	ND(110)	ND(110)	ND(120)	ND(95)	ND(210)	8.7
p-Isopropyltoluene	- -	µg/kg	ND(0.83)	3	570	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	11
sec-Butylbenzene	- -	µg/kg	ND(0.83)	1.4	310	ND(1.4)	1.8	ND(56)	540	1,300	66	ND(100)	23
Styrene	1,500	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
t-1,2-Dichloroethene	220	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
t-1,3-Dichloropropene	- -	µg/kg	ND(1.7)	ND(2.2)	ND(180)	ND(2.9)	ND(2.4)	ND(110)	ND(110)	ND(120)	ND(95)	ND(210)	ND(1.9)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(17)	ND(22)	ND(1,800)	ND(29)	ND(24)	ND(1,100)	ND(1,100)	ND(1,200)	ND(950)	ND(2,100)	ND(19)
tert-Butylbenzene	- -	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	110	ND(48)	ND(100)	5.4
Tetrachloroethene	110	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
Toluene	2,900	µg/kg	ND(0.83)	4.3	130	5.3	2.8	ND(56)	55	94	ND(48)	ND(100)	9.3
Trichloroethene	110	µg/kg	ND(1.7)	ND(2.2)	ND(180)	ND(2.9)	ND(2.4)	ND(110)	ND(110)	ND(120)	ND(95)	ND(210)	ND(1.9)
Trichlorofluoromethane	3,300	µg/kg	ND(8.3)	ND(11)	ND(920)	ND(14)	ND(12)	ND(560)	ND(550)	ND(600)	ND(480)	ND(1,000)	ND(9.5)
Vinyl Acetate	9,020	µg/kg	ND(8.3)	ND(11)	ND(920)	ND(14)	ND(12)	ND(560)	ND(550)	ND(600)	ND(480)	ND(1,000)	ND(9.5)
Vinyl Chloride	11	µg/kg	ND(0.83)	ND(1.1)	ND(92)	ND(1.4)	ND(1.2)	ND(56)	ND(55)	ND(60)	ND(48)	ND(100)	ND(0.95)
Xylenes, total	2,300	µg/kg	ND(1.7)	8.4	940	ND(2.9)	ND(2.4)	ND(110)	63	130	ND(95)	ND(210)	13.8

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

D = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S046-0"	S047-6"	S048-0"	S049-6"	S050-0"	S051-0"	S052-0"	S052-12"	S053-0"	S053-12"	S054-0"
Depth (feet bgs):			0 - 0.5	0.5 - 1	0 - 0.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5
Date Collected:			12/20/07	01/20/09	01/07/08	01/20/09	12/04/07	12/20/07	12/20/07	12/20/07	12/20/07	12/20/07	01/30/08
Location ID:	CSL	Unit	S046	S047	S048	S049	S050	S051	S052	S052	S053	S053	S054
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
1,1,1-Trichloroethane	4,400	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(2)	ND(140)	ND(140)	ND(2.1)	ND(48)	ND(2.3)	ND(95)	ND(93)	ND(99)	ND(1.9)	ND(75)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(10)	ND(690)	ND(690)	ND(11)	ND(240)	ND(12)	ND(480)	ND(470)	ND(490)	ND(9.4)	ND(370)
1,1,2-Trichloroethane	70	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
1,1-Dichloroethane	110	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
1,1-Dichloroethene	132	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
1,1-Dichloropropene	- -	µg/kg	ND(2)	ND(140)	ND(140)	ND(2.1)	ND(48)	ND(2.3)	ND(95)	ND(93)	ND(99)	ND(1.9)	ND(75)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(2)	ND(140)	ND(140)	ND(2.1)	ND(48)	ND(2.3)	ND(95)	ND(93)	ND(99)	ND(1.9)	ND(75)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(2)	ND(140)	ND(140)	ND(2.1)	ND(48)	ND(2.3)	ND(95)	ND(93)	ND(99)	ND(1.9)	ND(75)
1,2,4-Trichlorobenzene	110	µg/kg	ND(2)	ND(140)	ND(140)	ND(2.1)	ND(48)	ND(2.3)	ND(95)	ND(93)	ND(99)	ND(1.9)	ND(75)
1,2,4-Trimethylbenzene	330	µg/kg	ND(2)	**9,400**	ND(140)	ND(2.1)	ND(48)	2.6	ND(95)	ND(93)	110	14	130
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(5.1)	ND(350)	ND(350)	ND(5.3)	ND(120)	ND(5.9)	ND(240)	ND(230)	ND(250)	ND(4.7)	ND(190)
1,2-Dibromoethane	0.33	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
1,2-Dichlorobenzene	1,100	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
1,2-Dichloroethane	4.5	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
1,2-Dichloropropane	110	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
1,3,5-Trimethylbenzene	264	µg/kg	ND(2)	**990**	ND(140)	ND(2.1)	ND(48)	ND(2.3)	ND(95)	ND(93)	ND(99)	4.4	150
1,3-Dichlorobenzene	7,400	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
1,3-Dichloropropane	16,060	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
1,4-Dichlorobenzene	590	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
2,2-Dichloropropane	- -	µg/kg	ND(5.1)	ND(350)	ND(350)	ND(5.3)	ND(120)	ND(5.9)	ND(240)	ND(230)	ND(250)	ND(4.7)	ND(190)
2-Butanone	3,900	µg/kg	39	ND(1,400)	ND(1,400)	22	ND(480)	ND(1,100)	ND(950)	ND(930)	ND(990)	ND(19)	ND(750)
2-Chlorotoluene	16,060	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
2-Hexanone	- -	µg/kg	ND(20)	ND(1,400)	ND(1,400)	ND(21)	ND(480)	ND(23)	ND(950)	ND(930)	ND(990)	ND(19)	ND(750)
4-Chlorotoluene	57,200	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(20)	ND(1,400)	ND(1,400)	ND(21)	ND(480)	ND(23)	ND(950)	ND(930)	ND(990)	ND(19)	ND(750)
Acetone	500	µg/kg	170	ND(3,500)	ND(3,500)	180	ND(1,200)	ND(2,800)	ND(2,400)	ND(2,300)	ND(2,500)	98	ND(1,900)
Benzene	22	µg/kg	**28**	**81**	**570**	ND(1.1)	ND(24)	**28**	**280**	**1,000**	**750**	**140**	**200**
Bromobenzene	440	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
Bromochloromethane	- -	µg/kg	ND(2)	ND(140)	ND(140)	ND(2.1)	ND(48)	ND(2.3)	ND(95)	ND(93)	ND(99)	ND(1.9)	ND(75)
Bromodichloromethane	24.2	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
Bromoform	187	µg/kg	ND(5.1)	ND(350)	ND(350)	ND(5.3)	ND(120)	ND(5.9)	ND(240)	ND(230)	ND(250)	ND(4.7)	ND(190)
Bromomethane	191.4	µg/kg	ND(20)	ND(1,400)	ND(1,400)	ND(21)	ND(480)	ND(23)	ND(950)	ND(930)	ND(990)	ND(19)	ND(750)
c-1,2-Dichloroethene	132	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
c-1,3-Dichloropropene	- -	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
Carbon Disulfide	22,000	µg/kg	ND(10)	ND(690)	ND(690)	ND(11)	ND(240)	ND(12)	ND(480)	ND(470)	ND(490)	12	ND(370)
Carbon Tetrachloride	20	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
Chlorobenzene	1,500	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
Chloroethane	850	µg/kg	ND(2)	ND(140)	ND(140)	ND(2.1)	ND(48)	ND(2.3)	ND(95)	ND(93)	ND(99)	ND(1.9)	ND(75)
Chloroform	4.18	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	2.8	ND(48)	ND(47)	ND(49)	ND(0.94)	**78**
Chloromethane	39.6	µg/kg	ND(20)	ND(1,400)	ND(1,400)	ND(21)	ND(480)	ND(23)	ND(950)	ND(930)	ND(990)	ND(19)	ND(750)
Dibromochloromethane	17.6	µg/kg	ND(2)	ND(140)	ND(140)	ND(2.1)	ND(48)	ND(2.3)	ND(95)	ND(93)	ND(99)	ND(1.9)	ND(75)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S046-0"	S047-6"	S048-0"	S049-6"	S050-0"	S051-0"	S052-0"	S052-12"	S053-0"	S053-12"	S054-0"
Depth (feet bgs):			0 - 0.5	0.5 - 1	0 - 0.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5
Date Collected:			12/20/07	01/20/09	01/07/08	01/20/09	12/04/07	12/20/07	12/20/07	12/20/07	12/20/07	12/20/07	01/30/08
Location ID:	CSL	Unit	S046	S047	S048	S049	S050	S051	S052	S052	S053	S053	S054
Dibromomethane	8,140	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
Dichlorodifluoromethane	8,580	µg/kg	ND(2)	ND(140)	ND(140)	ND(2.1)	ND(48)	ND(2.3)	ND(95)	ND(93)	ND(99)	ND(1.9)	ND(75)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
Ethanol	- -	µg/kg	ND(510)	ND(35,000)	ND(35,000)	ND(530)	ND(12,000)	ND(590)	ND(24,000)	ND(23,000)	ND(25,000)	ND(470)	ND(19,000)
Ethylbenzene	2,300	µg/kg	1.9	570	210	ND(1.1)	ND(24)	ND(1.2)	ND(48)	70	130	52	ND(37)
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
Isopropylbenzene	14,960	µg/kg	ND(1)	990	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	94	ND(49)	13	180
Methylene Chloride	77	µg/kg	ND(10)	ND(690)	ND(690)	ND(11)	ND(240)	ND(12)	ND(480)	ND(470)	ND(490)	ND(9.4)	ND(370)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(2)	ND(140)	ND(140)	ND(2.1)	ND(48)	ND(2.3)	ND(95)	ND(93)	ND(99)	ND(1.9)	ND(75)
Naphthalene	3.08	µg/kg	ND(10)	**35,000 D**	ND(690)	ND(11)	ND(240)	ND(12)	ND(480)	**740**	**1,200**	**48**	ND(370)
n-Butylbenzene	- -	µg/kg	ND(1)	5,800	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	120	14	ND(37)
n-Propylbenzene	- -	µg/kg	ND(1)	2,000	ND(69)	ND(2.1)	ND(24)	ND(1.2)	ND(48)	95	110	16	250
o-Xylene	30,800	µg/kg	2.1	190	ND(69)	ND(1.1)	ND(24)	1.7	54	120	68	11	38
p/m-Xylene	30,800	µg/kg	ND(2)	1,200	ND(140)	ND(2.1)	ND(48)	3.5	110	210	110	35	79
p-Isopropyltoluene	- -	µg/kg	2.1	4,900	140	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	5.4	ND(37)
sec-Butylbenzene	- -	µg/kg	ND(1)	3,300	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	74	49	7.2	81
Styrene	1,500	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
t-1,2-Dichloroethene	220	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
t-1,3-Dichloropropene	- -	µg/kg	ND(2)	ND(140)	ND(140)	ND(2.1)	ND(48)	ND(2.3)	ND(95)	ND(93)	ND(99)	ND(1.9)	ND(75)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(20)	ND(1,400)	ND(1,400)	ND(21)	ND(480)	**690**	ND(950)	ND(930)	ND(990)	ND(19)	ND(750)
tert-Butylbenzene	- -	µg/kg	ND(1)	300	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
Tetrachloroethene	110	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
Toluene	2,900	µg/kg	2.6	ND(69)	87	ND(1.1)	ND(24)	8.5	ND(48)	53	ND(49)	11	ND(37)
Trichloroethene	110	µg/kg	ND(2)	ND(140)	ND(140)	ND(2.1)	ND(48)	ND(2.3)	ND(95)	ND(93)	ND(99)	ND(1.9)	ND(75)
Trichlorofluoromethane	3,300	µg/kg	ND(10)	ND(690)	ND(690)	ND(11)	ND(240)	ND(12)	ND(480)	ND(470)	ND(490)	ND(9.4)	ND(370)
Vinyl Acetate	9,020	µg/kg	ND(10)	ND(690)	ND(690)	ND(11)	ND(240)	ND(12)	ND(480)	ND(470)	ND(490)	ND(9.4)	ND(370)
Vinyl Chloride	11	µg/kg	ND(1)	ND(69)	ND(69)	ND(1.1)	ND(24)	ND(1.2)	ND(48)	ND(47)	ND(49)	ND(0.94)	ND(37)
Xylenes, total	2,300	µg/kg	2.1	NA	ND(140)	NA	ND(48)	5.2	164	330	178	46	117

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilute

D = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S055-0"	S055-12"	S056-0"	S056-12"	S057-0"	S058-0"	S059-0"	S059-12"	S060-0"	S060-18"	S061-0"	S063-0"
Depth (feet bgs):			0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1.5 - 2	0 - 0.5	0 - 0.5
Date Collected:			01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	02/01/08	02/01/08	02/01/08	12/13/07	12/13/07	12/13/07	12/14/07
Location ID:	CSL	Unit	S055	S055	S056	S056	S057	S058	S059	S059	S060	S060	S061	S063
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
1,1,1-Trichloroethane	4,400	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(110)	ND(2.1)	ND(5.6)	ND(130)	ND(2.1)	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	ND(1.7)	ND(2.3)	ND(2.2)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(550)	ND(10)	ND(56)	ND(660)	ND(11)	ND(9.4)	ND(10)	ND(13)	ND(8.1)	ND(8.5)	ND(11)	ND(11)
1,1,2-Trichloroethane	70	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
1,1-Dichloroethane	110	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
1,1-Dichloroethene	132	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
1,1-Dichloropropene	- -	µg/kg	ND(110)	ND(2.1)	ND(5.6)	ND(130)	ND(2.1)	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	ND(1.7)	ND(2.3)	ND(2.2)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(110)	ND(2.1)	ND(11)	ND(130)	ND(2.1)	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	ND(1.7)	ND(2.3)	ND(2.2)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(110)	ND(2.1)	ND(5.6)	ND(130)	ND(2.1)	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	ND(1.7)	ND(2.3)	ND(2.2)
1,2,4-Trichlorobenzene	110	µg/kg	ND(110)	ND(2.1)	ND(5.6)	ND(130)	ND(2.1)	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	ND(1.7)	ND(2.3)	ND(2.2)
1,2,4-Trimethylbenzene	330	µg/kg	ND(110)	84	ND(5.6)	ND(130)	ND(2.1)	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	22	ND(2.3)	ND(2.2)
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(270)	ND(5.1)	ND(11)	ND(330)	ND(5.3)	ND(4.7)	ND(5.1)	ND(6.6)	ND(4.1)	ND(4.3)	ND(5.7)	ND(5.5)
1,2-Dibromoethane	0.33	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
1,2-Dichlorobenzene	1,100	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
1,2-Dichloroethane	4.5	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
1,2-Dichloropropane	110	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
1,3,5-Trimethylbenzene	264	µg/kg	ND(110)	28	ND(5.6)	ND(130)	ND(2.1)	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	14	ND(2.3)	ND(2.2)
1,3-Dichlorobenzene	7,400	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
1,3-Dichloropropane	16,060	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
1,4-Dichlorobenzene	590	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
2,2-Dichloropropane	- -	µg/kg	ND(270)	ND(5.1)	ND(5.6)	ND(330)	ND(5.3)	ND(4.7)	ND(5.1)	ND(6.6)	ND(4.1)	ND(4.3)	ND(5.7)	ND(5.5)
2-Butanone	3,900	µg/kg	ND(1,100)	ND(21)	ND(56)	ND(1,300)	22	100	21	86	ND(16)	ND(17)	ND(23)	ND(22)
2-Chlorotoluene	16,060	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
2-Hexanone	- -	µg/kg	ND(1,100)	ND(21)	ND(56)	ND(1,300)	ND(21)	ND(19)	ND(21)	ND(26)	ND(16)	ND(17)	ND(23)	ND(22)
4-Chlorotoluene	57,200	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(1,100)	ND(21)	ND(56)	ND(1,300)	ND(21)	ND(19)	ND(21)	ND(26)	ND(16)	ND(17)	ND(23)	ND(22)
Acetone	500	µg/kg	ND(2,700)	ND(2,800)	ND(140)	ND(3,300)	120	180	130	ND(2,700)	ND(41)	48	ND(57)	ND(55)
Benzene	22	µg/kg	ND(55)	1.5	ND(5.6)	ND(66)	3.1	ND(0.94)	1.3	1.6	ND(0.81)	5.8	ND(1.1)	3.1
Bromobenzene	440	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
Bromochloromethane	- -	µg/kg	ND(110)	ND(2.1)	ND(5.6)	ND(130)	ND(2.1)	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	ND(1.7)	ND(2.3)	ND(2.2)
Bromodichloromethane	24.2	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
Bromoform	187	µg/kg	ND(270)	ND(5.1)	ND(5.6)	ND(330)	ND(5.3)	ND(4.7)	ND(5.1)	ND(6.6)	ND(4.1)	ND(4.3)	ND(5.7)	ND(5.5)
Bromomethane	191.4	µg/kg	ND(1,100)	ND(21)	ND(28)	ND(1,300)	ND(21)	ND(19)	ND(21)	ND(26)	ND(16)	ND(17)	ND(23)	ND(22)
c-1,2-Dichloroethene	132	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
c-1,3-Dichloropropene	- -	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
Carbon Disulfide	22,000	µg/kg	ND(550)	ND(10)	ND(56)	ND(660)	ND(11)	43	ND(10)	ND(13)	ND(8.1)	ND(8.5)	ND(11)	ND(11)
Carbon Tetrachloride	20	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
Chlorobenzene	1,500	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
Chloroethane	850	µg/kg	ND(110)	ND(2.1)	ND(5.6)	ND(130)	ND(2.1)	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	ND(1.7)	ND(2.3)	ND(2.2)
Chloroform	4.18	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	2.1	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
Chloromethane	39.6	µg/kg	ND(1,100)	ND(21)	ND(28)	ND(1,300)	ND(21)	ND(19)	ND(21)	ND(26)	ND(16)	ND(17)	ND(23)	ND(22)
Dibromochloromethane	17.6	µg/kg	ND(110)	ND(2.1)	ND(5.6)	ND(130)	ND(2.1)	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	ND(1.7)	ND(2.3)	ND(2.2)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S055-0"	S055-12"	S056-0"	S056-12"	S057-0"	S058-0"	S059-0"	S059-12"	S060-0"	S060-18"	S061-0"	S063-0"
Depth (feet bgs):			0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1.5 - 2	0 - 0.5	0 - 0.5
Date Collected:			01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	02/01/08	02/01/08	02/01/08	12/13/07	12/13/07	12/13/07	12/14/07
Location ID:	CSL	Unit	S055	S055	S056	S056	S057	S058	S059	S059	S060	S060	S061	S063
Dibromomethane	8,140	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
Dichlorodifluoromethane	8,580	µg/kg	ND(110)	ND(2.1)	ND(5.6)	ND(130)	ND(2.1)	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	ND(1.7)	ND(2.3)	ND(2.2)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(55)	ND(1)	ND(11)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
Ethanol	- -	µg/kg	ND(27,000)	ND(510)	ND(280)	ND(33,000)	ND(530)	ND(470)	ND(510)	ND(660)	ND(410)	ND(430)	ND(570)	ND(550)
Ethylbenzene	2,300	µg/kg	ND(55)	45	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	34	ND(1.1)	ND(1.1)
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(55)	ND(1)	ND(11)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
Isopropylbenzene	14,960	µg/kg	ND(55)	11	ND(5.6)	510	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	4.5	ND(1.1)	ND(1.1)
Methylene Chloride	77	µg/kg	ND(550)	ND(10)	ND(56)	ND(660)	ND(11)	ND(9.4)	ND(10)	ND(13)	ND(8.1)	ND(8.5)	ND(11)	ND(11)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(110)	ND(2.1)	ND(5.6)	ND(130)	ND(2.1)	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	ND(1.7)	ND(2.3)	ND(2.2)
Naphthalene	3.08	µg/kg	ND(550)	**12**	ND(56)	ND(660)	ND(11)	ND(9.4)	ND(10)	ND(13)	ND(8.1)	ND(8.5)	ND(11)	ND(11)
n-Butylbenzene	- -	µg/kg	ND(55)	1.8	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	2.3	ND(1.1)	ND(1.1)
n-Propylbenzene	- -	µg/kg	ND(55)	13	ND(5.6)	560	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	5	ND(1.1)	ND(1.1)
o-Xylene	30,800	µg/kg	ND(55)	13	ND(5.6)	ND(66)	1.1	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	1.3	ND(1.1)	1.1
p/m-Xylene	30,800	µg/kg	ND(110)	17	ND(5.6)	ND(130)	3.3	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	70	ND(2.3)	2.6
p-Isopropyltoluene	- -	µg/kg	ND(55)	2.9	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	1.1	ND(1.1)	ND(1.1)
sec-Butylbenzene	- -	µg/kg	ND(55)	1.6	ND(5.6)	300	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	0.91	ND(1.1)	ND(1.1)
Styrene	1,500	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
t-1,2-Dichloroethene	220	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
t-1,3-Dichloropropene	- -	µg/kg	ND(110)	ND(2.1)	ND(5.6)	ND(130)	ND(2.1)	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	ND(1.7)	ND(2.3)	ND(2.2)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(55)	ND(1)	ND(11)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(1,100)	**210**	ND(56)	ND(1,300)	ND(21)	ND(19)	ND(21)	ND(26)	ND(16)	ND(17)	ND(23)	ND(22)
tert-Butylbenzene	- -	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
Tetrachloroethene	110	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
Toluene	2,900	µg/kg	ND(55)	3	ND(5.6)	ND(66)	5	1	1.3	2.4	ND(0.81)	ND(0.85)	ND(1.1)	3.7
Trichloroethene	110	µg/kg	ND(110)	ND(2.1)	ND(5.6)	ND(130)	ND(2.1)	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	ND(1.7)	ND(2.3)	ND(2.2)
Trichlorofluoromethane	3,300	µg/kg	ND(550)	ND(10)	ND(56)	ND(660)	ND(11)	ND(9.4)	ND(10)	ND(13)	ND(8.1)	ND(8.5)	ND(11)	ND(11)
Vinyl Acetate	9,020	µg/kg	ND(550)	ND(10)	ND(56)	ND(660)	ND(11)	ND(9.4)	ND(10)	ND(13)	ND(8.1)	ND(8.5)	ND(11)	ND(11)
Vinyl Chloride	11	µg/kg	ND(55)	ND(1)	ND(5.6)	ND(66)	ND(1.1)	ND(0.94)	ND(1)	ND(1.3)	ND(0.81)	ND(0.85)	ND(1.1)	ND(1.1)
Xylenes, total	2,300	µg/kg	ND(110)	30	ND(5.6)	ND(130)	4.4	ND(1.9)	ND(2.1)	ND(2.6)	ND(1.6)	71.3	ND(2.3)	3.7

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

D = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S064-0"	S064-18"	S065-0"	S065-12"	S066-0"	S067-0"	S068-0"	S069-0"	S070-0"	S071B-12"	S072-0"	S073-0"
Depth (feet bgs):			0 - 0.5	1.5 - 2	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
Date Collected:			12/14/07	12/14/07	02/01/08	02/01/08	12/14/07	12/14/07	12/13/07	12/13/07	12/13/07	12/21/07	12/04/07	12/04/07
Location ID:	CSL	Unit	S064	S064	S065	S065	S066	S067	S068	S069	S070	S071B	S072	S073
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
1,1,1-Trichloroethane	4,400	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(2.2)	ND(2.6)	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(11)	ND(13)	ND(12)	ND(10)	ND(9)	ND(11)	ND(12)	ND(9.2)	ND(12)	ND(9.7)	ND(7.2)	ND(5.9)
1,1,2-Trichloroethane	70	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
1,1-Dichloroethane	110	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
1,1-Dichloroethene	132	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
1,1-Dichloropropene	- -	µg/kg	ND(2.2)	ND(2.6)	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(2.2)	ND(2.6)	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(2.2)	ND(2.6)	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)
1,2,4-Trichlorobenzene	110	µg/kg	ND(2.2)	ND(2.6)	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)
1,2,4-Trimethylbenzene	330	µg/kg	ND(2.2)	9.7	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(5.5)	ND(6.4)	ND(6)	ND(5.2)	ND(4.5)	ND(5.5)	ND(6.2)	ND(4.6)	ND(6.2)	ND(4.9)	ND(3.6)	ND(2.9)
1,2-Dibromoethane	0.33	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
1,2-Dichlorobenzene	1,100	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
1,2-Dichloroethane	4.5	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
1,2-Dichloropropane	110	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
1,3,5-Trimethylbenzene	264	µg/kg	ND(2.2)	3.6	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)
1,3-Dichlorobenzene	7,400	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
1,3-Dichloropropane	16,060	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
1,4-Dichlorobenzene	590	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
2,2-Dichloropropane	- -	µg/kg	ND(5.5)	ND(6.4)	ND(6)	ND(5.2)	ND(4.5)	ND(5.5)	ND(6.2)	ND(4.6)	ND(6.2)	ND(4.9)	ND(3.6)	ND(2.9)
2-Butanone	3,900	µg/kg	37	ND(26)	ND(24)	ND(21)	63	ND(22)	ND(25)	ND(18)	ND(25)	ND(19)	25	18
2-Chlorotoluene	16,060	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
2-Hexanone	- -	µg/kg	ND(22)	ND(26)	ND(24)	ND(21)	ND(18)	ND(22)	ND(25)	ND(18)	ND(25)	ND(19)	ND(14)	ND(12)
4-Chlorotoluene	57,200	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(22)	ND(26)	ND(24)	ND(21)	ND(18)	ND(22)	ND(25)	ND(18)	ND(25)	ND(19)	ND(14)	ND(12)
Acetone	500	µg/kg	160	83	100	ND(52)	100	110	ND(62)	ND(46)	84	ND(49)	ND(1,600)	110
Benzene	22	µg/kg	ND(1.1)	8.6	ND(1.2)	ND(1)	0.96	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
Bromobenzene	440	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
Bromochloromethane	- -	µg/kg	ND(2.2)	ND(2.6)	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)
Bromodichloromethane	24.2	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
Bromoform	187	µg/kg	ND(5.5)	ND(6.4)	ND(6)	ND(5.2)	ND(4.5)	ND(5.5)	ND(6.2)	ND(4.6)	ND(6.2)	ND(4.9)	ND(3.6)	ND(2.9)
Bromomethane	191.4	µg/kg	ND(22)	ND(26)	ND(24)	ND(21)	ND(18)	ND(22)	ND(25)	ND(18)	ND(25)	ND(19)	ND(14)	ND(12)
c-1,2-Dichloroethene	132	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
c-1,3-Dichloropropene	- -	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
Carbon Disulfide	22,000	µg/kg	ND(11)	40	ND(12)	ND(10)	ND(9)	ND(11)	ND(12)	ND(9.2)	ND(12)	ND(9.7)	ND(7.2)	ND(5.9)
Carbon Tetrachloride	20	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
Chlorobenzene	1,500	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
Chloroethane	850	µg/kg	ND(2.2)	ND(2.6)	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)
Chloroform	4.18	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
Chloromethane	39.6	µg/kg	ND(22)	ND(26)	ND(24)	ND(21)	ND(18)	ND(22)	ND(25)	ND(18)	ND(25)	ND(19)	ND(14)	ND(12)
Dibromochloromethane	17.6	µg/kg	ND(2.2)	ND(2.6)	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S064-0"	S064-18"	S065-0"	S065-12"	S066-0"	S067-0"	S068-0"	S069-0"	S070-0"	S071B-12"	S072-0"	S073-0"
Depth (feet bgs):			0 - 0.5	1.5 - 2	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
Date Collected:			12/14/07	12/14/07	02/01/08	02/01/08	12/14/07	12/14/07	12/13/07	12/13/07	12/13/07	12/21/07	12/04/07	12/04/07
Location ID:	CSL	Unit	S064	S064	S065	S065	S066	S067	S068	S069	S070	S071B	S072	S073
Dibromomethane	8,140	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
Dichlorodifluoromethane	8,580	µg/kg	ND(2.2)	ND(2.6)	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
Ethanol	- -	µg/kg	ND(550)	ND(640)	ND(600)	ND(520)	ND(450)	ND(550)	ND(620)	ND(460)	ND(620)	ND(490)	ND(360)	ND(290)
Ethylbenzene	2,300	µg/kg	ND(1.1)	20	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	0.98	ND(0.72)	ND(0.59)
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
Isopropylbenzene	14,960	µg/kg	ND(1.1)	3	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	2.6	ND(0.72)	ND(0.59)
Methylene Chloride	77	µg/kg	ND(11)	ND(13)	ND(12)	ND(10)	ND(9)	ND(11)	ND(12)	ND(9.2)	ND(12)	ND(9.7)	ND(7.2)	ND(5.9)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(2.2)	ND(2.6)	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)
Naphthalene	3.08	µg/kg	ND(11)	ND(13)	ND(12)	ND(10)	ND(9)	ND(11)	ND(12)	ND(9.2)	ND(12)	**13**	ND(7.2)	ND(5.9)
n-Butylbenzene	- -	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	1.6	ND(0.72)	ND(0.59)
n-Propylbenzene	- -	µg/kg	ND(1.1)	3.2	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	2.9	ND(0.72)	ND(0.59)
o-Xylene	30,800	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
p/m-Xylene	30,800	µg/kg	ND(2.2)	54	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)
p-Isopropyltoluene	- -	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
sec-Butylbenzene	- -	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	2.9	ND(0.72)	ND(0.59)
Styrene	1,500	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
t-1,2-Dichloroethene	220	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
t-1,3-Dichloropropene	- -	µg/kg	ND(2.2)	ND(2.6)	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(22)	38	ND(24)	ND(21)	ND(18)	ND(22)	ND(25)	ND(18)	ND(25)	ND(19)	ND(14)	ND(12)
tert-Butylbenzene	- -	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
Tetrachloroethene	110	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
Toluene	2,900	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	1.3	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
Trichloroethene	110	µg/kg	ND(2.2)	ND(2.6)	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)
Trichlorofluoromethane	3,300	µg/kg	ND(11)	ND(13)	ND(12)	ND(10)	ND(9)	ND(11)	ND(12)	ND(9.2)	ND(12)	ND(9.7)	ND(7.2)	ND(5.9)
Vinyl Acetate	9,020	µg/kg	ND(11)	ND(13)	ND(12)	ND(10)	ND(9)	ND(11)	ND(12)	ND(9.2)	ND(12)	ND(9.7)	ND(7.2)	ND(5.9)
Vinyl Chloride	11	µg/kg	ND(1.1)	ND(1.3)	ND(1.2)	ND(1)	ND(0.9)	ND(1.1)	ND(1.2)	ND(0.92)	ND(1.2)	ND(0.97)	ND(0.72)	ND(0.59)
Xylenes, total	2,300	µg/kg	ND(2.2)	54	ND(2.4)	ND(2.1)	ND(1.8)	ND(2.2)	ND(2.5)	ND(1.8)	ND(2.5)	ND(1.9)	ND(1.4)	ND(1.2)

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S074-0"	S075-0"	S076-6"	S078-0"	S078-12"	S079-0"	S080-0"	S081-0"	S082-0"	S082-0"RE	S083-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			12/04/07	12/04/07	01/22/09	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	12/13/07	12/13/07	12/13/07
Location ID:	CSL	Unit	S074	S075	S076	S078	S078	S079	S080	S081	S082	S082	S083
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
1,1,1-Trichloroethane	4,400	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(50)	ND(1.1)	ND(2.5)	ND(91)	ND(70)	ND(150)	ND(1.7)	ND(2)	ND(2.3)	NA	ND(87)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(250)	ND(5.3)	ND(13)	ND(450)	ND(350)	ND(770)	ND(8.4)	ND(10)	ND(11)	NA	ND(440)
1,1,2-Trichloroethane	70	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
1,1-Dichloroethane	110	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
1,1-Dichloroethene	132	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
1,1-Dichloropropene	- -	µg/kg	ND(50)	ND(1.1)	ND(2.5)	ND(91)	ND(70)	ND(150)	ND(1.7)	ND(2)	ND(2.3)	NA	ND(87)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(50)	ND(1.1)	ND(2.5)	ND(91)	ND(70)	ND(150)	ND(1.7)	ND(2)	ND(2.3)	NA	ND(87)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(50)	ND(1.1)	ND(2.5)	ND(91)	ND(70)	ND(150)	ND(1.7)	ND(2)	ND(2.3)	NA	ND(87)
1,2,4-Trichlorobenzene	110	µg/kg	ND(50)	ND(1.1)	ND(2.5)	**170**	ND(70)	ND(150)	ND(1.7)	ND(2)	ND(2.3)	NA	ND(87)
1,2,4-Trimethylbenzene	330	µg/kg	ND(50)	ND(1.1)	6.5	200	91	ND(150)	2.5	ND(2)	ND(2.3)	NA	ND(87)
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(120)	ND(2.6)	ND(6.3)	ND(230)	ND(170)	ND(380)	ND(4.2)	ND(5)	ND(5.7)	NA	ND(220)
1,2-Dibromoethane	0.33	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
1,2-Dichlorobenzene	1,100	µg/kg	ND(25)	ND(0.53)	ND(1.3)	**2,900**	640	ND(77)	1.2	ND(1)	ND(1.1)	NA	ND(44)
1,2-Dichloroethane	4.5	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
1,2-Dichloropropane	110	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
1,3,5-Trimethylbenzene	264	µg/kg	ND(50)	ND(1.1)	ND(2.5)	ND(91)	ND(70)	ND(150)	ND(1.7)	ND(2)	ND(2.3)	NA	ND(87)
1,3-Dichlorobenzene	7,400	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
1,3-Dichloropropane	16,060	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
1,4-Dichlorobenzene	590	µg/kg	ND(25)	ND(0.53)	ND(1.3)	400	89	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
2,2-Dichloropropane	- -	µg/kg	ND(120)	ND(2.6)	ND(6.3)	ND(230)	ND(170)	ND(380)	ND(4.2)	ND(5)	ND(5.7)	NA	ND(220)
2-Butanone	3,900	µg/kg	ND(500)	26	31	ND(910)	ND(700)	ND(1,500)	ND(17)	28	34	NA	ND(870)
2-Chlorotoluene	16,060	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
2-Hexanone	- -	µg/kg	ND(500)	ND(11)	ND(25)	ND(910)	ND(700)	ND(1,500)	ND(17)	ND(20)	ND(23)	NA	ND(870)
4-Chlorotoluene	57,200	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(500)	ND(11)	ND(25)	ND(910)	ND(700)	ND(1,500)	ND(17)	ND(20)	ND(23)	NA	ND(870)
Acetone	500	µg/kg	ND(1,200)	ND(1,100)	170	ND(2,300)	ND(1,700)	ND(3,800)	160	ND(2,700)	NA	ND(7,700)	ND(2,200)
Benzene	22	µg/kg	ND(25)	ND(0.53)	3.7	ND(45)	ND(35)	ND(77)	19	1.2	ND(1.1)	NA	ND(44)
Bromobenzene	440	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
Bromochloromethane	- -	µg/kg	ND(50)	ND(1.1)	ND(2.5)	ND(91)	ND(70)	ND(150)	ND(1.7)	ND(2)	ND(2.3)	NA	ND(87)
Bromodichloromethane	24.2	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
Bromoform	187	µg/kg	ND(120)	ND(2.6)	ND(6.3)	ND(230)	ND(170)	ND(380)	ND(4.2)	ND(5)	ND(5.7)	NA	ND(220)
Bromomethane	191.4	µg/kg	ND(500)	ND(11)	ND(25)	ND(910)	ND(700)	ND(1,500)	ND(17)	ND(20)	ND(23)	NA	ND(870)
c-1,2-Dichloroethene	132	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
c-1,3-Dichloropropene	- -	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
Carbon Disulfide	22,000	µg/kg	ND(250)	ND(5.3)	ND(13)	ND(450)	ND(350)	ND(770)	ND(8.4)	ND(10)	ND(11)	NA	ND(440)
Carbon Tetrachloride	20	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
Chlorobenzene	1,500	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
Chloroethane	850	µg/kg	ND(50)	ND(1.1)	ND(2.5)	ND(91)	ND(70)	ND(150)	ND(1.7)	ND(2)	ND(2.3)	NA	ND(87)
Chloroform	4.18	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
Chloromethane	39.6	µg/kg	ND(500)	ND(11)	ND(25)	ND(910)	ND(700)	ND(1,500)	ND(17)	ND(20)	ND(23)	NA	ND(870)
Dibromochloromethane	17.6	µg/kg	ND(50)	ND(1.1)	ND(2.5)	ND(91)	ND(70)	ND(150)	ND(1.7)	ND(2)	ND(2.3)	NA	ND(87)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S074-0"	S075-0"	S076-6"	S078-0"	S078-12"	S079-0"	S080-0"	S081-0"	S082-0"	S082-0"RE	S083-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			12/04/07	12/04/07	01/22/09	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	12/13/07	12/13/07	12/13/07
Location ID:	CSL	Unit	S074	S075	S076	S078	S078	S079	S080	S081	S082	S082	S083
Dibromomethane	8,140	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
Dichlorodifluoromethane	8,580	µg/kg	ND(50)	ND(1.1)	ND(2.5)	ND(91)	ND(70)	ND(150)	ND(1.7)	ND(2)	ND(2.3)	NA	ND(87)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
Ethanol	- -	µg/kg	ND(12,000)	ND(260)	ND(630)	ND(23,000)	ND(17,000)	ND(38,000)	ND(420)	ND(500)	ND(570)	NA	ND(22,000)
Ethylbenzene	2,300	µg/kg	ND(25)	ND(0.53)	7.4	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
Isopropylbenzene	14,960	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	5.8	ND(1)	ND(1.1)	NA	ND(44)
Methylene Chloride	77	µg/kg	ND(250)	ND(5.3)	ND(13)	ND(450)	ND(350)	ND(770)	ND(8.4)	ND(10)	ND(11)	NA	ND(440)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(50)	ND(1.1)	ND(2.5)	ND(91)	ND(70)	ND(150)	ND(1.7)	ND(2)	ND(2.3)	NA	ND(87)
Naphthalene	3.08	µg/kg	ND(250)	ND(5.3)	**47**	ND(450)	ND(350)	ND(770)	ND(8.4)	ND(10)	ND(11)	NA	ND(440)
n-Butylbenzene	- -	µg/kg	ND(25)	ND(0.53)	3.1	ND(45)	ND(35)	ND(77)	0.89	ND(1)	ND(1.1)	NA	110
n-Propylbenzene	- -	µg/kg	ND(25)	ND(0.53)	2.9	ND(45)	ND(35)	ND(77)	4.9	ND(1)	ND(1.1)	NA	ND(44)
o-Xylene	30,800	µg/kg	ND(25)	ND(0.53)	16	ND(45)	ND(35)	ND(77)	2	ND(1)	ND(1.1)	NA	ND(44)
p/m-Xylene	30,800	µg/kg	ND(50)	ND(1.1)	37	ND(91)	ND(70)	ND(150)	2.8	ND(2)	ND(2.3)	NA	ND(87)
p-Isopropyltoluene	- -	µg/kg	ND(25)	ND(0.53)	ND(1.3)	69	ND(35)	ND(77)	2.5	ND(1)	ND(1.1)	NA	76
sec-Butylbenzene	- -	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	6.3	ND(1)	ND(1.1)	NA	47
Styrene	1,500	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
t-1,2-Dichloroethene	220	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
t-1,3-Dichloropropene	- -	µg/kg	ND(50)	ND(1.1)	ND(2.5)	ND(91)	ND(70)	ND(150)	ND(1.7)	ND(2)	ND(2.3)	NA	ND(87)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(500)	ND(11)	ND(25)	ND(910)	ND(700)	ND(1,500)	ND(17)	ND(20)	ND(23)	NA	ND(870)
tert-Butylbenzene	- -	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
Tetrachloroethene	110	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
Toluene	2,900	µg/kg	ND(25)	ND(0.53)	31	ND(45)	ND(35)	ND(77)	2.2	2.1	ND(1.1)	NA	ND(44)
Trichloroethene	110	µg/kg	ND(50)	ND(1.1)	ND(2.5)	ND(91)	ND(70)	ND(150)	ND(1.7)	2.6	ND(2.3)	NA	ND(87)
Trichlorofluoromethane	3,300	µg/kg	ND(250)	ND(5.3)	ND(13)	ND(450)	ND(350)	ND(770)	ND(8.4)	ND(10)	ND(11)	NA	ND(440)
Vinyl Acetate	9,020	µg/kg	ND(250)	ND(5.3)	ND(13)	ND(450)	ND(350)	ND(770)	ND(8.4)	ND(10)	ND(11)	NA	ND(440)
Vinyl Chloride	11	µg/kg	ND(25)	ND(0.53)	ND(1.3)	ND(45)	ND(35)	ND(77)	ND(0.84)	ND(1)	ND(1.1)	NA	ND(44)
Xylenes, total	2,300	µg/kg	ND(50)	ND(1.1)	NA	ND(91)	ND(70)	ND(150)	4.8	ND(2)	ND(2.3)	NA	ND(87)

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S083-15"	S084-0"	S085-0"	S086-6"	S087-0"	S088-0"	S089-0"	S090-0"	S090-18"	S091-0"	S092-0"	S092-0"RE
Depth (feet bgs):			1.25 - 1.75	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1.5 - 2	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			12/13/07	12/04/07	12/04/07	01/20/09	12/13/07	01/02/08	01/02/08	12/13/07	12/13/07	02/01/08	12/13/07	12/13/07
Location ID:	CSL	Unit	S083	S084	S085	S086	S087	S088	S089	S090	S090	S091	S092	S092
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
1,1,1-Trichloroethane	4,400	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	ND(4.3)	ND(2.8)	ND(2)	ND(2.1)	ND(100)	ND(87)	ND(110)	ND(2.5)	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(15)	ND(11)	ND(12)	ND(21)	ND(14)	ND(9.8)	ND(10)	ND(520)	ND(440)	ND(530)	ND(13)	NA
1,1,2-Trichloroethane	70	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
1,1-Dichloroethane	110	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
1,1-Dichloroethene	132	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
1,1-Dichloropropene	- -	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	ND(4.3)	ND(2.8)	ND(2)	ND(2.1)	ND(100)	ND(87)	ND(110)	ND(2.5)	NA
1,2,3-Trichlorobenzene	- -	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	ND(4.3)	ND(2.8)	ND(2)	ND(2.1)	ND(100)	ND(87)	ND(110)	ND(2.5)	NA
1,2,3-Trichloropropane	0.2112	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	ND(4.3)	ND(2.8)	ND(2)	ND(2.1)	ND(100)	ND(87)	ND(110)	ND(2.5)	NA
1,2,4-Trichlorobenzene	110	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	ND(4.3)	ND(2.8)	ND(2)	ND(2.1)	ND(100)	ND(87)	ND(110)	ND(2.5)	NA
1,2,4-Trimethylbenzene	330	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	ND(4.3)	ND(2.8)	ND(2)	ND(2.1)	160	ND(87)	**2,600**	ND(2.5)	NA
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(7.4)	ND(5.6)	ND(6.1)	ND(11)	ND(7)	ND(4.9)	ND(5.1)	ND(260)	ND(220)	ND(260)	ND(6.4)	NA
1,2-Dibromoethane	0.33	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
1,2-Dichlorobenzene	1,100	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
1,2-Dichloroethane	4.5	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
1,2-Dichloropropane	110	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
1,3,5-Trimethylbenzene	264	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	ND(4.3)	ND(2.8)	ND(2)	ND(2.1)	ND(100)	ND(87)	**940**	ND(2.5)	NA
1,3-Dichlorobenzene	7,400	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
1,3-Dichloropropane	16,060	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
1,4-Dichlorobenzene	590	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
2,2-Dichloropropane	- -	µg/kg	ND(7.4)	ND(5.6)	ND(6.1)	ND(11)	ND(7)	ND(4.9)	ND(5.1)	ND(260)	ND(220)	ND(260)	ND(6.4)	NA
2-Butanone	3,900	µg/kg	54	27	64	ND(43)	62	27	ND(21)	ND(1,000)	ND(870)	ND(1,100)	45	NA
2-Chlorotoluene	16,060	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
2-Hexanone	- -	µg/kg	ND(29)	ND(22)	ND(24)	ND(43)	ND(28)	ND(20)	ND(21)	ND(1,000)	ND(870)	ND(1,100)	ND(25)	NA
4-Chlorotoluene	57,200	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
4-Methyl-2-Pentanone	2,800	µg/kg	ND(29)	ND(22)	ND(24)	ND(43)	ND(28)	ND(20)	ND(21)	ND(1,000)	ND(870)	ND(1,100)	ND(25)	NA
Acetone	500	µg/kg	270	180	ND(3,100)	270	260	170	ND(51)	ND(2,600)	ND(2,200)	ND(2,600)	NA	ND(6,500)
Benzene	22	µg/kg	2.1	ND(1.1)	ND(1.2)	17	ND(1.4)	1.8	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
Bromobenzene	440	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
Bromochloromethane	- -	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	ND(4.3)	ND(2.8)	ND(2)	ND(2.1)	ND(100)	ND(87)	ND(110)	ND(2.5)	NA
Bromodichloromethane	24.2	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	**79**	ND(53)	ND(1.3)	NA
Bromoform	187	µg/kg	ND(7.4)	ND(5.6)	ND(6.1)	ND(11)	ND(7)	ND(4.9)	ND(5.1)	ND(260)	ND(220)	ND(260)	ND(6.4)	NA
Bromomethane	191.4	µg/kg	ND(29)	ND(22)	ND(24)	ND(43)	ND(28)	ND(20)	ND(21)	ND(1,000)	ND(870)	ND(1,100)	ND(25)	NA
c-1,2-Dichloroethene	132	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
c-1,3-Dichloropropene	- -	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
Carbon Disulfide	22,000	µg/kg	ND(15)	ND(11)	ND(12)	ND(21)	ND(14)	ND(9.8)	ND(10)	ND(520)	ND(440)	ND(530)	ND(13)	NA
Carbon Tetrachloride	20	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
Chlorobenzene	1,500	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
Chloroethane	850	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	ND(4.3)	ND(2.8)	ND(2)	ND(2.1)	ND(100)	ND(87)	ND(110)	ND(2.5)	NA
Chloroform	4.18	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
Chloromethane	39.6	µg/kg	ND(29)	ND(22)	ND(24)	ND(43)	ND(28)	ND(20)	ND(21)	ND(1,000)	ND(870)	ND(1,100)	ND(25)	NA
Dibromochloromethane	17.6	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	ND(4.3)	ND(2.8)	ND(2)	ND(2.1)	ND(100)	ND(87)	ND(110)	ND(2.5)	NA

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S083-15"	S084-0"	S085-0"	S086-6"	S087-0"	S088-0"	S089-0"	S090-0"	S090-18"	S091-0"	S092-0"	S092-0"RE
Depth (feet bgs):			1.25 - 1.75	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1.5 - 2	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			12/13/07	12/04/07	12/04/07	01/20/09	12/13/07	01/02/08	01/02/08	12/13/07	12/13/07	02/01/08	12/13/07	12/13/07
Location ID:	CSL	Unit	S083	S084	S085	S086	S087	S088	S089	S090	S090	S091	S092	S092
Dibromomethane	8,140	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
Dichlorodifluoromethane	8,580	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	ND(4.3)	ND(2.8)	ND(2)	ND(2.1)	ND(100)	ND(87)	ND(110)	ND(2.5)	NA
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
Ethanol	- -	µg/kg	ND(740)	ND(560)	ND(610)	ND(1,100)	ND(700)	ND(490)	ND(510)	ND(26,000)	ND(22,000)	ND(26,000)	ND(640)	NA
Ethylbenzene	2,300	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	77	ND(1.3)	NA
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
Isopropylbenzene	14,960	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
Methylene Chloride	77	µg/kg	ND(15)	ND(11)	ND(12)	ND(21)	ND(14)	ND(9.8)	ND(10)	ND(520)	ND(440)	ND(530)	ND(13)	NA
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	ND(4.3)	ND(2.8)	ND(2)	ND(2.1)	ND(100)	ND(87)	ND(110)	ND(2.5)	NA
Naphthalene	3.08	µg/kg	ND(15)	ND(11)	ND(12)	ND(21)	ND(14)	ND(9.8)	ND(10)	ND(520)	ND(440)	**1,500**	ND(13)	NA
n-Butylbenzene	- -	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	51	ND(53)	ND(1.3)	NA
n-Propylbenzene	- -	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(4.3)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	110	ND(1.3)	NA
o-Xylene	30,800	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	2.4	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	360	ND(1.3)	NA
p/m-Xylene	30,800	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	13	ND(2.8)	ND(2)	ND(2.1)	ND(100)	ND(87)	370	ND(2.5)	NA
p-Isopropyltoluene	- -	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	130	52	810	ND(1.3)	NA
sec-Butylbenzene	- -	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	220	ND(1.3)	NA
Styrene	1,500	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
t-1,2-Dichloroethene	220	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
t-1,3-Dichloropropene	- -	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	ND(4.3)	ND(2.8)	ND(2)	ND(2.1)	ND(100)	ND(87)	ND(110)	ND(2.5)	NA
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(29)	ND(22)	ND(24)	ND(43)	ND(28)	ND(20)	ND(21)	ND(1,000)	ND(870)	ND(1,100)	ND(25)	NA
tert-Butylbenzene	- -	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
Tetrachloroethene	110	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
Toluene	2,900	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	21	1.4	1	ND(1)	ND(52)	ND(44)	68	ND(1.3)	NA
Trichloroethene	110	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	ND(4.3)	ND(2.8)	ND(2)	ND(2.1)	ND(100)	ND(87)	ND(110)	ND(2.5)	NA
Trichlorofluoromethane	3,300	µg/kg	ND(15)	ND(11)	ND(12)	ND(21)	ND(14)	ND(9.8)	ND(10)	ND(520)	ND(440)	ND(530)	ND(13)	NA
Vinyl Acetate	9,020	µg/kg	ND(15)	ND(11)	ND(12)	ND(21)	ND(14)	ND(9.8)	ND(10)	ND(520)	ND(440)	ND(530)	ND(13)	NA
Vinyl Chloride	11	µg/kg	ND(1.5)	ND(1.1)	ND(1.2)	ND(2.1)	ND(1.4)	ND(0.98)	ND(1)	ND(52)	ND(44)	ND(53)	ND(1.3)	NA
Xylenes, total	2,300	µg/kg	ND(2.9)	ND(2.2)	ND(2.4)	NA	ND(2.8)	ND(2)	ND(2.1)	ND(100)	ND(87)	730	ND(2.5)	NA

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S093-0"	S094-0"	S095-0"	S096-0"	S097-6"	S098-0"	S099-0"	S100-0"	S101-0"	S102-0"	S102-15"	S103-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1.25 - 1.75	0 - 0.5
Date Collected:			12/04/07	12/04/07	12/04/07	12/04/07	01/20/09	12/04/07	12/13/07	12/13/07	12/13/07	12/13/07	12/13/07	01/03/08
Location ID:	CSL	Unit	S093	S094	S095	S096	S097	S098	S099	S100	S101	S102	S102	S103
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
1,1,1-Trichloroethane	4,400	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	ND(2.2)	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(8.1)	ND(6)	ND(11)	ND(9)	ND(11)	ND(17)	ND(8.9)	ND(11)	ND(10)	ND(10)	ND(10)	ND(8.7)
1,1,2-Trichloroethane	70	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
1,1-Dichloroethane	110	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
1,1-Dichloroethene	132	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
1,1-Dichloropropene	- -	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	ND(2.2)	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	ND(2.2)	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	ND(2.2)	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)
1,2,4-Trichlorobenzene	110	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	ND(2.2)	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)
1,2,4-Trimethylbenzene	330	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	ND(2.2)	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(4)	ND(3)	ND(5.7)	ND(4.5)	ND(5.6)	ND(8.7)	ND(4.5)	ND(5.5)	ND(5.1)	ND(5)	ND(5.2)	ND(4.4)
1,2-Dibromoethane	0.33	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
1,2-Dichlorobenzene	1,100	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
1,2-Dichloroethane	4.5	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
1,2-Dichloropropane	110	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
1,3,5-Trimethylbenzene	264	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	ND(2.2)	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)
1,3-Dichlorobenzene	7,400	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
1,3-Dichloropropane	16,060	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
1,4-Dichlorobenzene	590	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
2,2-Dichloropropane	- -	µg/kg	ND(4)	ND(3)	ND(5.7)	ND(4.5)	ND(5.6)	ND(8.7)	ND(4.5)	ND(5.5)	ND(5.1)	ND(5)	ND(5.2)	ND(4.4)
2-Butanone	3,900	µg/kg	32	ND(12)	59	52	44	47	ND(18)	ND(22)	ND(21)	ND(20)	24	ND(17)
2-Chlorotoluene	16,060	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
2-Hexanone	- -	µg/kg	ND(16)	ND(12)	ND(23)	ND(18)	ND(22)	ND(35)	ND(18)	ND(22)	ND(21)	ND(20)	ND(21)	ND(17)
4-Chlorotoluene	57,200	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(16)	ND(12)	ND(23)	ND(18)	ND(22)	ND(35)	ND(18)	ND(22)	ND(21)	ND(20)	ND(21)	ND(17)
Acetone	500	µg/kg	ND(2,000)	41	ND(2,500)	ND(1,800)	ND(4,100)	ND(2,200)	59	ND(55)	ND(51)	90	120	ND(44)
Benzene	22	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Bromobenzene	440	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Bromochloromethane	- -	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	ND(2.2)	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)
Bromodichloromethane	24.2	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Bromoform	187	µg/kg	ND(4)	ND(3)	ND(5.7)	ND(4.5)	ND(5.6)	ND(8.7)	ND(4.5)	ND(5.5)	ND(5.1)	ND(5)	ND(5.2)	ND(4.4)
Bromomethane	191.4	µg/kg	ND(16)	ND(12)	ND(23)	ND(18)	ND(22)	ND(35)	ND(18)	ND(22)	ND(21)	ND(20)	ND(21)	ND(17)
c-1,2-Dichloroethene	132	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
c-1,3-Dichloropropene	- -	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Carbon Disulfide	22,000	µg/kg	ND(8.1)	ND(6)	ND(11)	ND(9)	ND(11)	ND(17)	ND(8.9)	ND(11)	ND(10)	ND(10)	ND(10)	ND(8.7)
Carbon Tetrachloride	20	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Chlorobenzene	1,500	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Chloroethane	850	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	ND(2.2)	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)
Chloroform	4.18	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Chloromethane	39.6	µg/kg	ND(16)	ND(12)	ND(23)	ND(18)	ND(22)	ND(35)	ND(18)	ND(22)	ND(21)	ND(20)	ND(21)	ND(17)
Dibromochloromethane	17.6	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	ND(2.2)	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S093-0"	S094-0"	S095-0"	S096-0"	S097-6"	S098-0"	S099-0"	S100-0"	S101-0"	S102-0"	S102-15"	S103-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1.25 - 1.75	0 - 0.5
Date Collected:			12/04/07	12/04/07	12/04/07	12/04/07	01/20/09	12/04/07	12/13/07	12/13/07	12/13/07	12/13/07	12/13/07	01/03/08
Location ID:	CSL	Unit	S093	S094	S095	S096	S097	S098	S099	S100	S101	S102	S102	S103
Dibromomethane	8,140	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Dichlorodifluoromethane	8,580	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	ND(2.2)	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Ethanol	- -	µg/kg	ND(400)	ND(300)	ND(570)	ND(450)	ND(560)	ND(870)	ND(450)	ND(550)	ND(510)	ND(500)	ND(520)	ND(440)
Ethylbenzene	2,300	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Isopropylbenzene	14,960	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Methylene Chloride	77	µg/kg	ND(8.1)	ND(6)	ND(11)	ND(9)	ND(11)	ND(17)	ND(8.9)	ND(11)	ND(10)	ND(10)	ND(10)	ND(8.7)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	ND(2.2)	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)
Naphthalene	3.08	µg/kg	ND(8.1)	ND(6)	ND(11)	ND(9)	ND(11)	ND(17)	ND(8.9)	ND(11)	ND(10)	ND(10)	ND(10)	ND(8.7)
n-Butylbenzene	- -	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	1.7
n-Propylbenzene	- -	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(2.2)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
o-Xylene	30,800	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
p/m-Xylene	30,800	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	ND(2.2)	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)
p-Isopropyltoluene	- -	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	1.6	ND(1)	ND(0.87)
sec-Butylbenzene	- -	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Styrene	1,500	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
t-1,2-Dichloroethene	220	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
t-1,3-Dichloropropene	- -	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	ND(2.2)	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(16)	ND(12)	ND(23)	ND(18)	ND(22)	36	ND(18)	ND(22)	ND(21)	ND(20)	ND(21)	ND(17)
tert-Butylbenzene	- -	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Tetrachloroethene	110	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Toluene	2,900	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Trichloroethene	110	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	ND(2.2)	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)
Trichlorofluoromethane	3,300	µg/kg	ND(8.1)	ND(6)	ND(11)	ND(9)	ND(11)	ND(17)	ND(8.9)	ND(11)	ND(10)	ND(10)	ND(10)	ND(8.7)
Vinyl Acetate	9,020	µg/kg	ND(8.1)	ND(6)	ND(11)	ND(9)	ND(11)	ND(17)	ND(8.9)	ND(11)	ND(10)	ND(10)	ND(10)	ND(8.7)
Vinyl Chloride	11	µg/kg	ND(0.81)	ND(0.6)	ND(1.1)	ND(0.9)	ND(1.1)	ND(1.7)	ND(0.89)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(0.87)
Xylenes, total	2,300	µg/kg	ND(1.6)	ND(1.2)	ND(2.3)	ND(1.8)	NA	ND(3.5)	ND(1.8)	ND(2.2)	ND(2.1)	ND(2)	ND(2.1)	ND(1.7)

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S103-12"	S104-0"	S105-0"	S106-6"	S106-12"	S107-0"	S108-0"	S109-0"	S109-12"	S110-6"	S111-0"
Depth (feet bgs):			1 - 1.5	0 - 0.5	0 - 0.5	0.5 - 1	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0.5 - 1	0 - 0.5
Date Collected:			01/03/08	01/29/08	01/31/08	01/22/09	01/22/09	12/20/07	12/20/07	01/31/08	01/31/08	01/22/09	12/21/07
Location ID:	CSL	Unit	S103	S104	S105	S106	S106	S107	S108	S109	S109	S110	S111
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
1,1,1-Trichloroethane	4,400	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(2.1)	ND(2)	ND(3.5)	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.9)	ND(940)	ND(2,200)	ND(3.5)	ND(4,800)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(11)	ND(9.9)	ND(18)	ND(12)	ND(12)	ND(9.5)	ND(9.6)	ND(4,700)	ND(11,000)	ND(18)	ND(24,000)
1,1,2-Trichloroethane	70	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
1,1-Dichloroethane	110	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
1,1-Dichloroethene	132	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
1,1-Dichloropropene	- -	µg/kg	ND(2.1)	ND(2)	ND(3.5)	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.9)	ND(940)	ND(2,200)	ND(3.5)	ND(4,800)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(2.1)	ND(2)	ND(3.5)	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.9)	ND(940)	ND(2,200)	ND(3.5)	ND(4,800)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(2.1)	ND(2)	ND(3.5)	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.9)	ND(940)	ND(2,200)	ND(3.5)	ND(4,800)
1,2,4-Trichlorobenzene	110	µg/kg	ND(2.1)	ND(2)	ND(3.5)	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.9)	ND(940)	ND(2,200)	ND(3.5)	ND(4,800)
1,2,4-Trimethylbenzene	330	µg/kg	ND(2.1)	ND(2)	50	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.9)	**6,200**	**11,000**	ND(3.5)	**250,000**
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(5.4)	ND(5)	ND(8.8)	ND(5.8)	ND(5.8)	ND(4.8)	ND(4.8)	ND(2,400)	ND(5,500)	ND(8.8)	ND(12,000)
1,2-Dibromoethane	0.33	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
1,2-Dichlorobenzene	1,100	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
1,2-Dichloroethane	4.5	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
1,2-Dichloropropane	110	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
1,3,5-Trimethylbenzene	264	µg/kg	ND(2.1)	ND(2)	5.1	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.9)	ND(940)	ND(2,200)	ND(3.5)	**96,000**
1,3-Dichlorobenzene	7,400	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
1,3-Dichloropropane	16,060	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
1,4-Dichlorobenzene	590	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
2,2-Dichloropropane	- -	µg/kg	ND(5.4)	ND(5)	ND(8.8)	ND(5.8)	ND(5.8)	ND(4.8)	ND(4.8)	ND(2,400)	ND(5,500)	ND(8.8)	ND(12,000)
2-Butanone	3,900	µg/kg	ND(21)	ND(20)	160	33	41	ND(19)	36	ND(9,400)	ND(22,000)	ND(35)	ND(48,000)
2-Chlorotoluene	16,060	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
2-Hexanone	- -	µg/kg	ND(21)	ND(20)	ND(35)	ND(23)	ND(23)	ND(19)	ND(19)	ND(9,400)	ND(22,000)	ND(35)	ND(48,000)
4-Chlorotoluene	57,200	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(21)	ND(20)	ND(35)	ND(23)	ND(23)	ND(19)	ND(19)	ND(9,400)	ND(22,000)	ND(35)	ND(48,000)
Acetone	500	µg/kg	ND(54)	ND(50)	ND(3,000)	ND(2,700)	ND(2,700)	59	ND(3,200)	ND(24,000)	ND(55,000)	190	ND(120,000)
Benzene	22	µg/kg	ND(1.1)	ND(0.99)	4.7	ND(1.2)	ND(1.2)	ND(0.95)	6.7	**980**	**1,200**	ND(1.8)	ND(2,400)
Bromobenzene	440	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
Bromochloromethane	- -	µg/kg	ND(2.1)	ND(2)	ND(3.5)	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.9)	ND(940)	ND(2,200)	ND(3.5)	ND(4,800)
Bromodichloromethane	24.2	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
Bromoform	187	µg/kg	ND(5.4)	ND(5)	ND(8.8)	ND(5.8)	ND(5.8)	ND(4.8)	ND(4.8)	ND(2,400)	ND(5,500)	ND(8.8)	ND(12,000)
Bromomethane	191.4	µg/kg	ND(21)	ND(20)	ND(35)	ND(23)	ND(23)	ND(19)	ND(19)	ND(9,400)	ND(22,000)	ND(35)	ND(48,000)
c-1,2-Dichloroethene	132	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
c-1,3-Dichloropropene	- -	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
Carbon Disulfide	22,000	µg/kg	ND(11)	ND(9.9)	27	ND(12)	ND(12)	ND(9.5)	25	ND(4,700)	ND(11,000)	ND(18)	ND(24,000)
Carbon Tetrachloride	20	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
Chlorobenzene	1,500	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
Chloroethane	850	µg/kg	ND(2.1)	ND(2)	ND(3.5)	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.9)	ND(940)	ND(2,200)	ND(3.5)	ND(4,800)
Chloroform	4.18	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
Chloromethane	39.6	µg/kg	ND(21)	ND(20)	ND(35)	ND(23)	ND(23)	ND(19)	ND(19)	ND(9,400)	ND(22,000)	ND(35)	ND(48,000)
Dibromochloromethane	17.6	µg/kg	ND(2.1)	ND(2)	ND(3.5)	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.9)	ND(940)	ND(2,200)	ND(3.5)	ND(4,800)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S103-12"	S104-0"	S105-0"	S106-6"	S106-12"	S107-0"	S108-0"	S109-0"	S109-12"	S110-6"	S111-0"
Depth (feet bgs):			1 - 1.5	0 - 0.5	0 - 0.5	0.5 - 1	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0.5 - 1	0 - 0.5
Date Collected:			01/03/08	01/29/08	01/31/08	01/22/09	01/22/09	12/20/07	12/20/07	01/31/08	01/31/08	01/22/09	12/21/07
Location ID:	CSL	Unit	S103	S104	S105	S106	S106	S107	S108	S109	S109	S110	S111
Dibromomethane	8,140	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
Dichlorodifluoromethane	8,580	µg/kg	ND(2.1)	ND(2)	ND(3.5)	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.9)	ND(940)	ND(2,200)	ND(3.5)	ND(4,800)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
Ethanol	- -	µg/kg	ND(540)	ND(500)	2,600	ND(580)	ND(580)	ND(480)	ND(480)	ND(240,000)	ND(550,000)	ND(880)	ND(1,200,000)
Ethylbenzene	2,300	µg/kg	ND(1.1)	ND(0.99)	3.4	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	**7,700**	**13,000**	ND(1.8)	**55,000**
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
Isopropylbenzene	14,960	µg/kg	ND(1.1)	ND(0.99)	2.5	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	1,600	2,800	ND(1.8)	7,600
Methylene Chloride	77	µg/kg	ND(11)	ND(9.9)	ND(18)	ND(12)	ND(12)	ND(9.5)	ND(9.6)	ND(4,700)	ND(11,000)	ND(18)	ND(24,000)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(2.1)	ND(2)	ND(3.5)	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.9)	ND(940)	ND(2,200)	ND(3.5)	ND(4,800)
Naphthalene	3.08	µg/kg	ND(11)	ND(9.9)	**63**	ND(12)	ND(12)	ND(9.5)	ND(9.6)	**5,300**	ND(11,000)	ND(18)	ND(24,000)
n-Butylbenzene	- -	µg/kg	ND(1.1)	ND(0.99)	17	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	3,500	6,200	ND(1.8)	16,000
n-Propylbenzene	- -	µg/kg	ND(1.1)	ND(0.99)	8	ND(2.3)	ND(2.3)	ND(0.95)	ND(0.96)	3,200	5,900	ND(3.5)	37,000
o-Xylene	30,800	µg/kg	ND(1.1)	ND(0.99)	6	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	**34,000**
p/m-Xylene	30,800	µg/kg	ND(2.1)	ND(2)	8.4	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.9)	ND(940)	ND(2,200)	ND(3.5)	**150,000**
p-Isopropyltoluene	- -	µg/kg	ND(1.1)	ND(0.99)	7.3	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	1,400	1,800	ND(1.8)	ND(2,400)
sec-Butylbenzene	- -	µg/kg	ND(1.1)	ND(0.99)	4.8	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	2,200	3,200	ND(1.8)	4,800
Styrene	1,500	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
t-1,2-Dichloroethene	220	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
t-1,3-Dichloropropene	- -	µg/kg	ND(2.1)	ND(2)	ND(3.5)	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.9)	ND(940)	ND(2,200)	ND(3.5)	ND(4,800)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(21)	ND(20)	**89**	ND(23)	ND(23)	ND(19)	ND(19)	ND(9,400)	ND(22,000)	ND(35)	ND(48,000)
tert-Butylbenzene	- -	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
Tetrachloroethene	110	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
Toluene	2,900	µg/kg	ND(1.1)	ND(0.99)	5.1	ND(1.2)	ND(1.2)	ND(0.95)	7.8	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
Trichloroethene	110	µg/kg	ND(2.1)	ND(2)	ND(3.5)	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.9)	ND(940)	ND(2,200)	ND(3.5)	ND(4,800)
Trichlorofluoromethane	3,300	µg/kg	ND(11)	ND(9.9)	ND(18)	ND(12)	ND(12)	ND(9.5)	ND(9.6)	ND(4,700)	ND(11,000)	ND(18)	ND(24,000)
Vinyl Acetate	9,020	µg/kg	ND(11)	ND(9.9)	ND(18)	ND(12)	ND(12)	ND(9.5)	ND(9.6)	ND(4,700)	ND(11,000)	ND(18)	ND(24,000)
Vinyl Chloride	11	µg/kg	ND(1.1)	ND(0.99)	ND(1.8)	ND(1.2)	ND(1.2)	ND(0.95)	ND(0.96)	ND(470)	ND(1,100)	ND(1.8)	ND(2,400)
Xylenes, total	2,300	µg/kg	ND(2.1)	ND(2)	14.4	NA	NA	ND(1.9)	ND(1.9)	ND(940)	ND(2,200)	NA	**184,000**

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S111-12"	S112-6"	S113-0"	S113-12"	S114-0"	S115-0"	S116-0"	S117-0"	S117-12"	S118-6"	S119-0"
Depth (feet bgs):			1 - 1.5	0.5 - 1	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0.5 - 1	0 - 0.5
Date Collected:			12/21/07	01/22/09	01/31/08	01/31/08	01/29/08	01/29/08	01/29/08	01/31/08	02/01/08	01/22/09	01/04/08
Location ID:	CSL	Unit	S111	S112	S113	S113	S114	S115	S116	S117	S117	S118	S119
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
1,1,1-Trichloroethane	4,400	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(1,900)	ND(2.1)	ND(460)	ND(2,900)	ND(1.7)	ND(100)	ND(2.1)	ND(2)	ND(2.1)	ND(2.5)	ND(470)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(9,400)	ND(10)	ND(2,300)	ND(14,000)	ND(8.6)	ND(510)	ND(10)	ND(10)	ND(11)	ND(13)	ND(2,400)
1,1,2-Trichloroethane	70	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
1,1-Dichloroethane	110	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
1,1-Dichloroethene	132	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
1,1-Dichloropropene	- -	µg/kg	ND(1,900)	ND(2.1)	ND(460)	ND(2,900)	ND(1.7)	ND(100)	ND(2.1)	ND(2)	ND(2.1)	ND(2.5)	ND(470)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(1,900)	ND(2.1)	ND(460)	ND(2,900)	ND(1.7)	ND(100)	ND(2.1)	ND(2)	ND(2.1)	ND(2.5)	ND(470)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(1,900)	ND(2.1)	ND(460)	ND(2,900)	ND(1.7)	ND(100)	ND(2.1)	ND(2)	ND(2.1)	ND(2.5)	ND(470)
1,2,4-Trichlorobenzene	110	µg/kg	ND(1,900)	ND(2.1)	ND(460)	ND(2,900)	ND(1.7)	ND(100)	ND(2.1)	ND(2)	ND(2.1)	ND(2.5)	ND(470)
1,2,4-Trimethylbenzene	330	µg/kg	**410,000 D**	33	**2,600**	**20,000**	ND(1.7)	ND(100)	ND(2.1)	ND(2)	ND(2.1)	ND(2.5)	**30,000**
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(4,700)	ND(5.2)	ND(1,100)	ND(7,200)	ND(4.3)	ND(260)	ND(5.2)	ND(5)	ND(5.3)	ND(6.3)	ND(1,200)
1,2-Dibromoethane	0.33	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
1,2-Dichlorobenzene	1,100	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
1,2-Dichloroethane	4.5	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
1,2-Dichloropropane	110	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
1,3,5-Trimethylbenzene	264	µg/kg	**120,000**	12	**610**	**3,000**	ND(1.7)	ND(100)	ND(2.1)	ND(2)	ND(2.1)	ND(2.5)	**16,000**
1,3-Dichlorobenzene	7,400	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
1,3-Dichloropropane	16,060	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
1,4-Dichlorobenzene	590	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
2,2-Dichloropropane	- -	µg/kg	ND(4,700)	ND(5.2)	ND(1,100)	ND(7,200)	ND(4.3)	ND(260)	ND(5.2)	ND(5)	ND(5.3)	ND(6.3)	ND(1,200)
2-Butanone	3,900	µg/kg	ND(19,000)	ND(21)	ND(4,600)	ND(29,000)	26	ND(1,000)	ND(21)	ND(20)	ND(21)	ND(25)	ND(4,700)
2-Chlorotoluene	16,060	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
2-Hexanone	- -	µg/kg	ND(19,000)	ND(21)	ND(4,600)	ND(29,000)	ND(17)	ND(1,000)	ND(21)	ND(20)	ND(21)	ND(25)	ND(4,700)
4-Chlorotoluene	57,200	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(19,000)	ND(21)	ND(4,600)	ND(29,000)	ND(17)	ND(1,000)	ND(21)	ND(20)	ND(21)	ND(25)	ND(4,700)
Acetone	500	µg/kg	ND(47,000)	72	ND(11,000)	ND(72,000)	160	ND(2,600)	61	ND(50)	ND(53)	89	ND(12,000)
Benzene	22	µg/kg	ND(940)	**73**	**12,000**	**100,000**	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	**300**
Bromobenzene	440	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
Bromochloromethane	- -	µg/kg	ND(1,900)	ND(2.1)	ND(460)	ND(2,900)	ND(1.7)	ND(100)	ND(2.1)	ND(2)	ND(2.1)	ND(2.5)	ND(470)
Bromodichloromethane	24.2	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
Bromoform	187	µg/kg	ND(4,700)	ND(5.2)	ND(1,100)	ND(7,200)	ND(4.3)	ND(260)	ND(5.2)	ND(5)	ND(5.3)	ND(6.3)	ND(1,200)
Bromomethane	191.4	µg/kg	ND(19,000)	ND(21)	ND(4,600)	ND(29,000)	ND(17)	ND(1,000)	ND(21)	ND(20)	ND(21)	ND(25)	ND(4,700)
c-1,2-Dichloroethene	132	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
c-1,3-Dichloropropene	- -	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
Carbon Disulfide	22,000	µg/kg	ND(9,400)	ND(10)	ND(2,300)	ND(14,000)	ND(8.6)	ND(510)	ND(10)	ND(10)	ND(11)	ND(13)	ND(2,400)
Carbon Tetrachloride	20	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
Chlorobenzene	1,500	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
Chloroethane	850	µg/kg	ND(1,900)	ND(2.1)	ND(460)	ND(2,900)	ND(1.7)	ND(100)	ND(2.1)	ND(2)	ND(2.1)	ND(2.5)	ND(470)
Chloroform	4.18	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
Chloromethane	39.6	µg/kg	ND(19,000)	ND(21)	ND(4,600)	ND(29,000)	ND(17)	ND(1,000)	ND(21)	ND(20)	ND(21)	ND(25)	ND(4,700)
Dibromochloromethane	17.6	µg/kg	ND(1,900)	ND(2.1)	ND(460)	ND(2,900)	ND(1.7)	ND(100)	ND(2.1)	ND(2)	ND(2.1)	ND(2.5)	ND(470)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S111-12"	S112-6"	S113-0"	S113-12"	S114-0"	S115-0"	S116-0"	S117-0"	S117-12"	S118-6"	S119-0"
Depth (feet bgs):			1 - 1.5	0.5 - 1	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0.5 - 1	0 - 0.5
Date Collected:			12/21/07	01/22/09	01/31/08	01/31/08	01/29/08	01/29/08	01/29/08	01/31/08	02/01/08	01/22/09	01/04/08
Location ID:	CSL	Unit	S111	S112	S113	S113	S114	S115	S116	S117	S117	S118	S119
Dibromomethane	8,140	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
Dichlorodifluoromethane	8,580	µg/kg	ND(1,900)	ND(2.1)	ND(460)	ND(2,900)	ND(1.7)	ND(100)	ND(2.1)	ND(2)	ND(2.1)	ND(2.5)	ND(470)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
Ethanol	- -	µg/kg	ND(470,000)	ND(520)	ND(110,000)	ND(720,000)	ND(430)	ND(26,000)	ND(520)	ND(500)	ND(530)	ND(630)	ND(120,000)
Ethylbenzene	2,300	µg/kg	**54,000**	200	1,300	**32,000**	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	**11,000**
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
Isopropylbenzene	14,960	µg/kg	8,400	12	ND(230)	4,100	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	3,800
Methylene Chloride	77	µg/kg	ND(9,400)	ND(10)	ND(2,300)	ND(14,000)	ND(8.6)	ND(510)	ND(10)	ND(10)	ND(11)	ND(13)	ND(2,400)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(1,900)	ND(2.1)	ND(460)	ND(2,900)	ND(1.7)	ND(100)	ND(2.1)	2.6	ND(2.1)	ND(2.5)	ND(470)
Naphthalene	3.08	µg/kg	**53,000**	**130**	ND(2,300)	ND(14,000)	ND(8.6)	ND(510)	ND(10)	ND(10)	ND(11)	ND(13)	ND(2,400)
n-Butylbenzene	- -	µg/kg	38,000	ND(1)	380	2,600	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
n-Propylbenzene	- -	µg/kg	47,000	45	ND(230)	6,400	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(2.5)	7,100
o-Xylene	30,800	µg/kg	14,000	15	480	2,000	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	840
p/m-Xylene	30,800	µg/kg	**150,000**	4.9	2,700	29,000	ND(1.7)	ND(100)	ND(2.1)	ND(2)	ND(2.1)	ND(2.5)	30,000
p-Isopropyltoluene	- -	µg/kg	1,800	9.6	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	4,300
sec-Butylbenzene	- -	µg/kg	7,100	8.9	ND(230)	1,500	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	2,100
Styrene	1,500	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
t-1,2-Dichloroethene	220	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
t-1,3-Dichloropropene	- -	µg/kg	ND(1,900)	ND(2.1)	ND(460)	ND(2,900)	ND(1.7)	ND(100)	ND(2.1)	ND(2)	ND(2.1)	ND(2.5)	ND(470)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(19,000)	ND(21)	ND(4,600)	ND(29,000)	ND(17)	ND(1,000)	ND(21)	ND(20)	ND(21)	ND(25)	ND(4,700)
tert-Butylbenzene	- -	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
Tetrachloroethene	110	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
Toluene	2,900	µg/kg	ND(940)	6	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
Trichloroethene	110	µg/kg	ND(1,900)	ND(2.1)	ND(460)	ND(2,900)	ND(1.7)	ND(100)	ND(2.1)	ND(2)	ND(2.1)	ND(2.5)	ND(470)
Trichlorofluoromethane	3,300	µg/kg	ND(9,400)	ND(10)	ND(2,300)	ND(14,000)	ND(8.6)	ND(510)	ND(10)	ND(10)	ND(11)	ND(13)	ND(2,400)
Vinyl Acetate	9,020	µg/kg	ND(9,400)	ND(10)	ND(2,300)	ND(14,000)	ND(8.6)	ND(510)	ND(10)	ND(10)	ND(11)	ND(13)	ND(2,400)
Vinyl Chloride	11	µg/kg	ND(940)	ND(1)	ND(230)	ND(1,400)	ND(0.86)	ND(51)	ND(1)	ND(1)	ND(1.1)	ND(1.3)	ND(240)
Xylenes, total	2,300	µg/kg	**164,000**	NA	**3,180**	**31,000**	ND(1.7)	ND(100)	ND(2.1)	ND(2)	ND(2.1)	NA	**30,800**

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilute

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S119-12"	S120-0"	S121-0"	S121-12"	S122-0"	S123-0"	S124-0"	S125-0"	S126-0"	S126-12"	S127-0"	S130-0"
Depth (feet bgs):			1 - 1.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
Date Collected:			01/04/08	01/04/08	01/04/08	01/04/08	01/29/08	11/29/07	11/29/07	01/29/08	01/07/08	01/07/08	02/01/08	01/07/08
Location ID:	CSL	Unit	S119	S120	S121	S121	S122	S123	S124	S125	S126	S126	S127	S130
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
1,1,1-Trichloroethane	4,400	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(1,200)	ND(94)	ND(88)	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	ND(110)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(6,000)	ND(470)	ND(440)	ND(6,100)	ND(11)	ND(8.8)	ND(5.6)	ND(11)	ND(8)	ND(9.4)	ND(11)	ND(550)
1,1,2-Trichloroethane	70	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
1,1-Dichloroethane	110	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
1,1-Dichloroethene	132	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
1,1-Dichloropropene	- -	µg/kg	ND(1,200)	ND(94)	ND(88)	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	ND(110)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(1,200)	ND(94)	ND(88)	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	ND(110)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(1,200)	ND(94)	ND(88)	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	ND(110)
1,2,4-Trichlorobenzene	110	µg/kg	ND(1,200)	ND(94)	ND(88)	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	ND(110)
1,2,4-Trimethylbenzene	330	µg/kg	**60,000**	ND(94)	260	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	150
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(3,000)	ND(240)	ND(220)	ND(3,100)	ND(5.5)	ND(4.4)	ND(2.8)	ND(5.5)	ND(4)	ND(4.7)	ND(5.3)	ND(280)
1,2-Dibromoethane	0.33	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
1,2-Dichlorobenzene	1,100	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
1,2-Dichloroethane	4.5	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
1,2-Dichloropropane	110	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
1,3,5-Trimethylbenzene	264	µg/kg	**29,000**	ND(94)	98	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	ND(110)
1,3-Dichlorobenzene	7,400	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
1,3-Dichloropropane	16,060	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
1,4-Dichlorobenzene	590	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
2,2-Dichloropropane	- -	µg/kg	ND(3,000)	ND(240)	ND(220)	ND(3,100)	ND(5.5)	ND(4.4)	ND(2.8)	ND(5.5)	ND(4)	ND(4.7)	ND(5.3)	ND(280)
2-Butanone	3,900	µg/kg	ND(12,000)	ND(940)	ND(880)	ND(12,000)	ND(22)	29	ND(11)	ND(22)	ND(16)	30	ND(21)	ND(1,100)
2-Chlorotoluene	16,060	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
2-Hexanone	- -	µg/kg	ND(12,000)	ND(940)	ND(880)	ND(12,000)	ND(22)	ND(18)	ND(11)	ND(22)	ND(16)	ND(19)	ND(21)	ND(1,100)
4-Chlorotoluene	57,200	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(12,000)	ND(940)	ND(880)	ND(12,000)	ND(22)	ND(18)	ND(11)	ND(22)	ND(16)	ND(19)	ND(21)	ND(1,100)
Acetone	500	µg/kg	ND(30,000)	ND(2,400)	ND(2,200)	ND(31,000)	ND(55)	160	68	120	ND(40)	ND(2,700)	ND(53)	ND(2,800)
Benzene	22	µg/kg	**960**	**160**	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	**100**
Bromobenzene	440	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
Bromochloromethane	- -	µg/kg	ND(1,200)	ND(94)	ND(88)	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	ND(110)
Bromodichloromethane	24.2	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
Bromoform	187	µg/kg	ND(3,000)	ND(240)	ND(220)	ND(3,100)	ND(5.5)	ND(4.4)	ND(2.8)	ND(5.5)	ND(4)	ND(4.7)	ND(5.3)	ND(280)
Bromomethane	191.4	µg/kg	ND(12,000)	ND(940)	ND(880)	ND(12,000)	ND(22)	ND(18)	ND(11)	ND(22)	ND(16)	ND(19)	ND(21)	ND(1,100)
c-1,2-Dichloroethene	132	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
c-1,3-Dichloropropene	- -	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
Carbon Disulfide	22,000	µg/kg	ND(6,000)	ND(470)	ND(440)	ND(6,100)	ND(11)	ND(8.8)	ND(5.6)	ND(11)	ND(8)	ND(9.4)	ND(11)	ND(550)
Carbon Tetrachloride	20	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
Chlorobenzene	1,500	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
Chloroethane	850	µg/kg	ND(1,200)	ND(94)	ND(88)	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	ND(110)
Chloroform	4.18	µg/kg	ND(600)	**60**	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
Chloromethane	39.6	µg/kg	ND(12,000)	ND(940)	ND(880)	ND(12,000)	ND(22)	ND(18)	ND(11)	ND(22)	ND(16)	ND(19)	ND(21)	ND(1,100)
Dibromochloromethane	17.6	µg/kg	ND(1,200)	ND(94)	ND(88)	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	ND(110)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S119-12"	S120-0"	S121-0"	S121-12"	S122-0"	S123-0"	S124-0"	S125-0"	S126-0"	S126-12"	S127-0"	S130-0"
Depth (feet bgs):			1 - 1.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
Date Collected:			01/04/08	01/04/08	01/04/08	01/04/08	01/29/08	11/29/07	11/29/07	01/29/08	01/07/08	01/07/08	02/01/08	01/07/08
Location ID:	CSL	Unit	S119	S120	S121	S121	S122	S123	S124	S125	S126	S126	S127	S130
Dibromomethane	8,140	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
Dichlorodifluoromethane	8,580	µg/kg	ND(1,200)	ND(94)	ND(88)	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	ND(110)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
Ethanol	- -	µg/kg	ND(300,000)	ND(24,000)	ND(22,000)	ND(310,000)	ND(550)	ND(440)	ND(280)	ND(550)	ND(400)	ND(470)	ND(530)	ND(28,000)
Ethylbenzene	2,300	µg/kg	**27,000**	220	ND(44)	1,000	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	490
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
Isopropylbenzene	14,960	µg/kg	5,600	ND(47)	ND(44)	1,400	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
Methylene Chloride	77	µg/kg	ND(6,000)	ND(470)	**470**	ND(6,100)	ND(11)	ND(8.8)	ND(5.6)	ND(11)	ND(8)	ND(9.4)	ND(11)	**570**
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(1,200)	ND(94)	ND(88)	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	ND(110)
Naphthalene	3.08	µg/kg	ND(6,000)	ND(470)	ND(440)	**18,000**	ND(11)	ND(8.8)	ND(5.6)	ND(11)	ND(8)	ND(9.4)	ND(11)	ND(550)
n-Butylbenzene	- -	µg/kg	ND(600)	ND(47)	ND(44)	2,500	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
n-Propylbenzene	- -	µg/kg	12,000	ND(47)	57	3,400	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	140
o-Xylene	30,800	µg/kg	2,200	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	57
p/m-Xylene	30,800	µg/kg	**71,000**	ND(94)	ND(88)	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	270
p-Isopropyltoluene	- -	µg/kg	6,700	ND(47)	59	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
sec-Butylbenzene	- -	µg/kg	3,000	ND(47)	53	1,300	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
Styrene	1,500	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
t-1,2-Dichloroethene	220	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
t-1,3-Dichloropropene	- -	µg/kg	ND(1,200)	ND(94)	ND(88)	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	ND(110)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(12,000)	ND(940)	ND(880)	ND(12,000)	ND(22)	ND(18)	ND(11)	ND(22)	ND(16)	ND(19)	ND(21)	ND(1,100)
tert-Butylbenzene	- -	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
Tetrachloroethene	110	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
Toluene	2,900	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	0.97	ND(1.1)	ND(55)
Trichloroethene	110	µg/kg	ND(1,200)	ND(94)	ND(88)	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	ND(110)
Trichlorofluoromethane	3,300	µg/kg	ND(6,000)	ND(470)	ND(440)	ND(6,100)	ND(11)	ND(8.8)	ND(5.6)	ND(11)	ND(8)	ND(9.4)	ND(11)	ND(550)
Vinyl Acetate	9,020	µg/kg	ND(6,000)	ND(470)	ND(440)	ND(6,100)	ND(11)	ND(8.8)	ND(5.6)	ND(11)	ND(8)	ND(9.4)	ND(11)	ND(550)
Vinyl Chloride	11	µg/kg	ND(600)	ND(47)	ND(44)	ND(610)	ND(1.1)	ND(0.88)	ND(0.56)	ND(1.1)	ND(0.8)	ND(0.94)	ND(1.1)	ND(55)
Xylenes, total	2,300	µg/kg	**73,200**	ND(94)	ND(88)	ND(1,200)	ND(2.2)	ND(1.8)	ND(1.1)	ND(2.2)	ND(1.6)	ND(1.9)	ND(2.1)	327

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S130-12"	S131-0"	S132-0"	S133B-0"	S133B-12"	S134-0"	S135-6"	S136-0"	S136-24"	S137-0"	S138-0"
Depth (feet bgs):			1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0.5 - 1	0 - 0.5	2 - 2.5	0 - 0.5	0 - 0.5
Date Collected:			01/07/08	01/07/08	01/03/08	11/29/07	11/29/07	01/07/08	01/19/09	11/29/07	11/29/07	11/29/07	11/29/07
Location ID:	CSL	Unit	S130	S131	S132	S133	S133	S134	S135	S136	S136	S137	S138
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
1,1,1-Trichloroethane	4,400	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	ND(2.1)	ND(2.3)	ND(130)	ND(2.2)	ND(1.1)	ND(69)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(540)	ND(460)	ND(10)	ND(6.5)	ND(7.4)	ND(11)	ND(12)	ND(630)	ND(11)	ND(5.4)	ND(340)
1,1,2-Trichloroethane	70	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
1,1-Dichloroethane	110	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
1,1-Dichloroethene	132	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
1,1-Dichloropropene	- -	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	ND(2.1)	ND(2.3)	ND(130)	ND(2.2)	ND(1.1)	ND(69)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	ND(2.1)	ND(2.3)	ND(130)	ND(2.2)	ND(1.1)	ND(69)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	ND(2.1)	ND(2.3)	ND(130)	ND(2.2)	ND(1.1)	ND(69)
1,2,4-Trichlorobenzene	110	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	ND(2.1)	ND(2.3)	ND(130)	ND(2.2)	ND(1.1)	ND(69)
1,2,4-Trimethylbenzene	330	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	14	ND(2.3)	**7,100**	91	ND(1.1)	**800**
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(270)	ND(230)	ND(5)	ND(3.2)	ND(3.7)	ND(5.3)	ND(5.8)	ND(310)	ND(5.4)	ND(2.7)	ND(170)
1,2-Dibromoethane	0.33	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
1,2-Dichlorobenzene	1,100	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
1,2-Dichloroethane	4.5	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
1,2-Dichloropropane	110	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
1,3,5-Trimethylbenzene	264	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	3	ND(2.3)	**3,000**	21	ND(1.1)	**280**
1,3-Dichlorobenzene	7,400	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
1,3-Dichloropropane	16,060	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
1,4-Dichlorobenzene	590	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
2,2-Dichloropropane	- -	µg/kg	ND(270)	ND(230)	ND(5)	ND(3.2)	ND(3.7)	ND(5.3)	ND(5.8)	ND(310)	ND(5.4)	ND(2.7)	ND(170)
2-Butanone	3,900	µg/kg	ND(1,100)	ND(910)	ND(20)	34	33	ND(21)	ND(23)	ND(1,300)	39	91	ND(690)
2-Chlorotoluene	16,060	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
2-Hexanone	- -	µg/kg	ND(1,100)	ND(910)	ND(20)	ND(13)	ND(15)	ND(21)	ND(23)	ND(1,300)	ND(22)	ND(11)	ND(690)
4-Chlorotoluene	57,200	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(1,100)	ND(910)	ND(20)	ND(13)	ND(15)	ND(21)	ND(23)	ND(1,300)	ND(22)	ND(11)	ND(690)
Acetone	500	µg/kg	ND(2,700)	ND(2,300)	ND(50)	ND(1,700)	140	60	87	ND(3,100)	ND(3,000)	ND(460)	ND(1,700)
Benzene	22	µg/kg	ND(54)	ND(46)	1.3	ND(0.65)	ND(0.74)	1.1	ND(1.2)	**64**	14	ND(0.54)	ND(34)
Bromobenzene	440	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
Bromochloromethane	- -	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	ND(2.1)	ND(2.3)	ND(130)	ND(2.2)	ND(1.1)	ND(69)
Bromodichloromethane	24.2	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
Bromoform	187	µg/kg	ND(270)	ND(230)	ND(5)	ND(3.2)	ND(3.7)	ND(5.3)	ND(5.8)	ND(310)	ND(5.4)	ND(2.7)	ND(170)
Bromomethane	191.4	µg/kg	ND(1,100)	ND(910)	ND(20)	ND(13)	ND(15)	ND(21)	ND(23)	ND(1,300)	ND(22)	ND(11)	ND(690)
c-1,2-Dichloroethene	132	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
c-1,3-Dichloropropene	- -	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
Carbon Disulfide	22,000	µg/kg	ND(540)	ND(460)	ND(10)	ND(6.5)	ND(7.4)	ND(11)	ND(12)	ND(630)	ND(11)	ND(5.4)	ND(340)
Carbon Tetrachloride	20	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
Chlorobenzene	1,500	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
Chloroethane	850	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	ND(2.1)	ND(2.3)	ND(130)	ND(2.2)	ND(1.1)	ND(69)
Chloroform	4.18	µg/kg	**55**	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
Chloromethane	39.6	µg/kg	ND(1,100)	ND(910)	ND(20)	ND(13)	ND(15)	ND(21)	ND(23)	ND(1,300)	ND(22)	ND(11)	ND(690)
Dibromochloromethane	17.6	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	ND(2.1)	ND(2.3)	ND(130)	ND(2.2)	ND(1.1)	ND(69)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S130-12"	S131-0"	S132-0"	S133B-0"	S133B-12"	S134-0"	S135-6"	S136-0"	S136-24"	S137-0"	S138-0"
Depth (feet bgs):			1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0.5 - 1	0 - 0.5	2 - 2.5	0 - 0.5	0 - 0.5
Date Collected:			01/07/08	01/07/08	01/03/08	11/29/07	11/29/07	01/07/08	01/19/09	11/29/07	11/29/07	11/29/07	11/29/07
Location ID:	CSL	Unit	S130	S131	S132	S133	S133	S134	S135	S136	S136	S137	S138
Dibromomethane	8,140	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
Dichlorodifluoromethane	8,580	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	ND(2.1)	ND(2.3)	ND(130)	ND(2.2)	ND(1.1)	ND(69)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
Ethanol	- -	µg/kg	ND(27,000)	ND(23,000)	ND(500)	ND(320)	ND(370)	ND(530)	ND(580)	ND(31,000)	ND(540)	ND(270)	ND(17,000)
Ethylbenzene	2,300	µg/kg	66	ND(46)	ND(1)	ND(0.65)	ND(0.74)	1.3	ND(1.2)	200	5.8	ND(0.54)	490
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
Isopropylbenzene	14,960	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	170	2.4	ND(0.54)	50
Methylene Chloride	77	µg/kg	**580**	ND(460)	ND(10)	ND(6.5)	ND(7.4)	ND(11)	ND(12)	ND(630)	ND(11)	ND(5.4)	ND(340)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	ND(2.1)	ND(2.3)	ND(130)	ND(2.2)	ND(1.1)	ND(69)
Naphthalene	3.08	µg/kg	ND(540)	ND(460)	ND(10)	**65**	ND(7.4)	ND(11)	ND(12)	**6,100**	**150**	ND(5.4)	**1,500**
n-Butylbenzene	- -	µg/kg	ND(54)	ND(46)	ND(1)	1.8	ND(0.74)	2.3	ND(1.2)	3,500	19	ND(0.54)	220
n-Propylbenzene	- -	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	1.2	ND(2.3)	400	5.2	ND(0.54)	190
o-Xylene	30,800	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	1.8	ND(1.2)	880	21	ND(0.54)	680
p/m-Xylene	30,800	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	5.5	ND(2.3)	1,100	31	ND(1.1)	1,300
p-Isopropyltoluene	- -	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	2,600	13	ND(0.54)	92
sec-Butylbenzene	- -	µg/kg	ND(54)	ND(46)	ND(1)	0.72	ND(0.74)	ND(1.1)	ND(1.2)	920	7.5	ND(0.54)	58
Styrene	1,500	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
t-1,2-Dichloroethene	220	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
t-1,3-Dichloropropene	- -	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	ND(2.1)	ND(2.3)	ND(130)	ND(2.2)	ND(1.1)	ND(69)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(1,100)	ND(910)	ND(20)	ND(13)	ND(15)	ND(21)	ND(23)	ND(1,300)	ND(22)	ND(11)	ND(690)
tert-Butylbenzene	- -	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
Tetrachloroethene	110	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
Toluene	2,900	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	6.7	ND(1.2)	120	5.2	ND(0.54)	110
Trichloroethene	110	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	ND(2.1)	ND(2.3)	ND(130)	ND(2.2)	ND(1.1)	ND(69)
Trichlorofluoromethane	3,300	µg/kg	ND(540)	ND(460)	ND(10)	ND(6.5)	ND(7.4)	ND(11)	ND(12)	ND(630)	ND(11)	ND(5.4)	ND(340)
Vinyl Acetate	9,020	µg/kg	ND(540)	ND(460)	ND(10)	ND(6.5)	ND(7.4)	ND(11)	ND(12)	ND(630)	ND(11)	ND(5.4)	ND(340)
Vinyl Chloride	11	µg/kg	ND(54)	ND(46)	ND(1)	ND(0.65)	ND(0.74)	ND(1.1)	ND(1.2)	ND(63)	ND(1.1)	ND(0.54)	ND(34)
Xylenes, total	2,300	µg/kg	ND(110)	ND(91)	ND(2)	ND(1.3)	ND(1.5)	7.3	NA	1,980	52	ND(1.1)	1,980

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S138-18"	S139-12"	S139-24"	S140-12"	S141-0"	S141-12"	S142-0"	S143-0"	S144B-0"	S144B-12"	S145-0"	S145-12"
Depth (feet bgs):			1.5 - 2	1 - 1.5	2 - 2.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5
Date Collected:			11/29/07	11/29/07	11/29/07	11/29/07	01/07/08	01/07/08	01/07/08	01/07/08	01/31/08	01/31/08	01/07/08	01/07/08
Location ID:	CSL	Unit	S138	S139	S139	S140	S141	S141	S142	S143	S144B	S144B	S145	S145
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
1,1,1-Trichloroethane	4,400	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(63)	ND(1.5)	ND(2.4)	ND(1.1)	ND(69)	ND(1.1)	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(310)	ND(7.5)	ND(12)	ND(5.3)	ND(340)	ND(5.4)	ND(7.1)	ND(8.2)	ND(13)	ND(9)	ND(9.5)	ND(13)
1,1,2-Trichloroethane	70	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
1,1-Dichloroethane	110	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
1,1-Dichloroethene	132	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
1,1-Dichloropropene	- -	µg/kg	ND(63)	ND(1.5)	ND(2.4)	ND(1.1)	ND(69)	ND(1.1)	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(63)	ND(1.5)	ND(2.4)	ND(1.1)	ND(69)	ND(1.1)	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(63)	ND(1.5)	ND(2.4)	ND(1.1)	ND(69)	ND(1.1)	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)
1,2,4-Trichlorobenzene	110	µg/kg	ND(63)	ND(1.5)	ND(2.4)	ND(1.1)	ND(69)	ND(1.1)	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)
1,2,4-Trimethylbenzene	330	µg/kg	**980**	38	**1,300 D**	3	82	ND(1.1)	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(160)	ND(3.7)	ND(5.9)	ND(2.7)	ND(170)	ND(2.7)	ND(3.6)	ND(4.1)	ND(6.5)	ND(4.5)	ND(4.7)	ND(6.3)
1,2-Dibromoethane	0.33	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
1,2-Dichlorobenzene	1,100	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
1,2-Dichloroethane	4.5	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
1,2-Dichloropropane	110	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
1,3,5-Trimethylbenzene	264	µg/kg	**280**	6.7	150	1.5	ND(69)	ND(1.1)	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)
1,3-Dichlorobenzene	7,400	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
1,3-Dichloropropane	16,060	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
1,4-Dichlorobenzene	590	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
2,2-Dichloropropane	- -	µg/kg	ND(160)	ND(3.7)	ND(5.9)	ND(2.7)	ND(170)	ND(2.7)	ND(3.6)	ND(4.1)	ND(6.5)	ND(4.5)	ND(4.7)	ND(6.3)
2-Butanone	3,900	µg/kg	ND(630)	43	ND(24)	ND(11)	ND(690)	ND(11)	65	ND(16)	ND(26)	ND(18)	53	ND(25)
2-Chlorotoluene	16,060	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
2-Hexanone	- -	µg/kg	ND(630)	ND(15)	ND(24)	ND(11)	ND(690)	ND(11)	ND(14)	ND(16)	ND(26)	ND(18)	ND(19)	ND(25)
4-Chlorotoluene	57,200	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(630)	ND(15)	ND(24)	ND(11)	ND(690)	ND(11)	ND(14)	ND(16)	ND(26)	ND(18)	ND(19)	ND(25)
Acetone	500	µg/kg	ND(1,600)	ND(2,800)	210	33	ND(1,700)	ND(27)	ND(1,200)	85	100	56	ND(2,700)	ND(63)
Benzene	22	µg/kg	**140**	18	**61**	0.61	ND(34)	0.71	1.1	1.1	ND(1.3)	ND(0.9)	1.7	2.4
Bromobenzene	440	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Bromochloromethane	- -	µg/kg	ND(63)	ND(1.5)	ND(2.4)	ND(1.1)	ND(69)	ND(1.1)	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)
Bromodichloromethane	24.2	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Bromoform	187	µg/kg	ND(160)	ND(3.7)	ND(5.9)	ND(2.7)	ND(170)	ND(2.7)	ND(3.6)	ND(4.1)	ND(6.5)	ND(4.5)	ND(4.7)	ND(6.3)
Bromomethane	191.4	µg/kg	ND(630)	ND(15)	ND(24)	ND(11)	ND(690)	ND(11)	ND(14)	ND(16)	ND(26)	ND(18)	ND(19)	ND(25)
c-1,2-Dichloroethene	132	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
c-1,3-Dichloropropene	- -	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Carbon Disulfide	22,000	µg/kg	ND(310)	9.1	19	ND(5.3)	ND(340)	ND(5.4)	ND(7.1)	ND(8.2)	ND(13)	ND(9)	ND(9.5)	ND(13)
Carbon Tetrachloride	20	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Chlorobenzene	1,500	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Chloroethane	850	µg/kg	ND(63)	ND(1.5)	ND(2.4)	ND(1.1)	ND(69)	ND(1.1)	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)
Chloroform	4.18	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Chloromethane	39.6	µg/kg	ND(630)	ND(15)	ND(24)	ND(11)	ND(690)	ND(11)	ND(14)	ND(16)	ND(26)	ND(18)	ND(19)	ND(25)
Dibromochloromethane	17.6	µg/kg	ND(63)	ND(1.5)	ND(2.4)	ND(1.1)	ND(69)	ND(1.1)	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S138-18"	S139-12"	S139-24"	S140-12"	S141-0"	S141-12"	S142-0"	S143-0"	S144B-0"	S144B-12"	S145-0"	S145-12"
Depth (feet bgs):			1.5 - 2	1 - 1.5	2 - 2.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5
Date Collected:			11/29/07	11/29/07	11/29/07	11/29/07	01/07/08	01/07/08	01/07/08	01/07/08	01/31/08	01/31/08	01/07/08	01/07/08
Location ID:	CSL	Unit	S138	S139	S139	S140	S141	S141	S142	S143	S144B	S144B	S145	S145
Dibromomethane	8,140	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Dichlorodifluoromethane	8,580	µg/kg	ND(63)	ND(1.5)	ND(2.4)	ND(1.1)	ND(69)	ND(1.1)	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Ethanol	- -	µg/kg	ND(16,000)	ND(370)	ND(590)	ND(270)	ND(17,000)	ND(270)	ND(360)	ND(410)	ND(650)	ND(450)	ND(470)	ND(630)
Ethylbenzene	2,300	µg/kg	1,100	7.1	54	1.1	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Isopropylbenzene	14,960	µg/kg	71	2.2	27	ND(0.53)	42	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Methylene Chloride	77	µg/kg	ND(310)	ND(7.5)	ND(12)	ND(5.3)	ND(340)	ND(5.4)	ND(7.1)	ND(8.2)	ND(13)	ND(9)	ND(9.5)	ND(13)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(63)	ND(1.5)	ND(2.4)	**320 D**	ND(69)	11	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)
Naphthalene	3.08	µg/kg	**6,200**	**82**	**130**	ND(5.3)	**1,700**	**12**	ND(7.1)	ND(8.2)	ND(13)	ND(9)	ND(9.5)	ND(13)
n-Butylbenzene	- -	µg/kg	190	9.6	210	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
n-Propylbenzene	- -	µg/kg	230	4.2	54	0.56	83	0.62	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
o-Xylene	30,800	µg/kg	1,000	5.5	17	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
p/m-Xylene	30,800	µg/kg	2,700	3.1	27	ND(1.1)	ND(69)	ND(1.1)	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)
p-Isopropyltoluene	- -	µg/kg	62	5.9	120	ND(0.53)	38	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
sec-Butylbenzene	- -	µg/kg	43	2.9	66	ND(0.53)	82	0.92	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Styrene	1,500	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
t-1,2-Dichloroethene	220	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
t-1,3-Dichloropropene	- -	µg/kg	ND(63)	ND(1.5)	ND(2.4)	ND(1.1)	ND(69)	ND(1.1)	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(630)	21	37	44	ND(690)	57	ND(490)	ND(16)	ND(26)	ND(18)	ND(19)	ND(25)
tert-Butylbenzene	- -	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Tetrachloroethene	110	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Toluene	2,900	µg/kg	520	2.3	9	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	1.6	ND(1.3)	ND(0.9)	1.4	2.9
Trichloroethene	110	µg/kg	ND(63)	ND(1.5)	ND(2.4)	ND(1.1)	ND(69)	ND(1.1)	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)
Trichlorofluoromethane	3,300	µg/kg	ND(310)	ND(7.5)	ND(12)	ND(5.3)	ND(340)	ND(5.4)	ND(7.1)	ND(8.2)	ND(13)	ND(9)	ND(9.5)	ND(13)
Vinyl Acetate	9,020	µg/kg	ND(310)	ND(7.5)	ND(12)	ND(5.3)	ND(340)	ND(5.4)	ND(7.1)	ND(8.2)	ND(13)	ND(9)	ND(9.5)	ND(13)
Vinyl Chloride	11	µg/kg	ND(31)	ND(0.75)	ND(1.2)	ND(0.53)	ND(34)	ND(0.54)	ND(0.71)	ND(0.82)	ND(1.3)	ND(0.9)	ND(0.95)	ND(1.3)
Xylenes, total	2,300	µg/kg	**3,700**	8.6	44	ND(1.1)	ND(69)	ND(1.1)	ND(1.4)	ND(1.6)	ND(2.6)	ND(1.8)	ND(1.9)	ND(2.5)

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S146-0"	S147-12"	S148-0"	S149-12"	S150-12"	S151-12"	S152-0"	S153-0"	S154-0"	S155B-0"	S156-0"	S157-0"
Depth (feet bgs):			0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	1 - 1.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	01/07/08	01/02/08
Location ID:	CSL	Unit	S146	S147	S148	S149	S150	S151	S152	S153	S154	S155	S156	S157
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
1,1,1-Trichloroethane	4,400	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	ND(110)	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	ND(2.4)	ND(1.5)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(7.6)	ND(9.3)	ND(13)	ND(6.2)	ND(570)	ND(5.6)	ND(8.1)	ND(7.7)	ND(9.4)	ND(6.5)	ND(12)	ND(7.6)
1,1,2-Trichloroethane	70	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
1,1-Dichloroethane	110	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
1,1-Dichloroethene	132	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
1,1-Dichloropropene	- -	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	ND(110)	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	ND(2.4)	ND(1.5)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	ND(110)	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	ND(2.4)	ND(1.5)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	ND(110)	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	ND(2.4)	ND(1.5)
1,2,4-Trichlorobenzene	110	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	ND(110)	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	ND(2.4)	ND(1.5)
1,2,4-Trimethylbenzene	330	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	200	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	ND(2.4)	ND(1.5)
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(3.8)	ND(4.7)	ND(6.3)	ND(3.1)	ND(290)	ND(2.8)	ND(4)	ND(3.8)	ND(4.7)	ND(3.2)	ND(6)	ND(3.8)
1,2-Dibromoethane	0.33	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
1,2-Dichlorobenzene	1,100	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
1,2-Dichloroethane	4.5	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
1,2-Dichloropropane	110	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
1,3,5-Trimethylbenzene	264	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	**810**	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	ND(2.4)	ND(1.5)
1,3-Dichlorobenzene	7,400	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
1,3-Dichloropropane	16,060	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
1,4-Dichlorobenzene	590	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
2,2-Dichloropropane	- -	µg/kg	ND(3.8)	ND(4.7)	ND(6.3)	ND(3.1)	ND(290)	ND(2.8)	ND(4)	ND(3.8)	ND(4.7)	ND(3.2)	ND(6)	ND(3.8)
2-Butanone	3,900	µg/kg	18	ND(19)	34	24	ND(1,100)	17	27	42	ND(19)	ND(13)	49	ND(15)
2-Chlorotoluene	16,060	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
2-Hexanone	- -	µg/kg	ND(15)	ND(19)	ND(25)	ND(12)	ND(1,100)	ND(11)	ND(16)	ND(15)	ND(19)	ND(13)	ND(24)	ND(15)
4-Chlorotoluene	57,200	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(15)	ND(19)	ND(25)	ND(12)	ND(1,100)	ND(11)	ND(16)	ND(15)	ND(19)	ND(13)	ND(24)	ND(15)
Acetone	500	µg/kg	130	75	ND(6,000)	ND(4,000)	ND(2,900)	ND(3,000)	ND(1,100)	ND(1,300)	130	ND(32)	220	82
Benzene	22	µg/kg	ND(0.76)	ND(0.93)	3.9	ND(0.62)	**280**	ND(0.56)	ND(0.81)	0.92	2.6	ND(0.65)	2.9	ND(0.76)
Bromobenzene	440	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Bromochloromethane	- -	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	ND(110)	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	ND(2.4)	ND(1.5)
Bromodichloromethane	24.2	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Bromoform	187	µg/kg	ND(3.8)	ND(4.7)	ND(6.3)	ND(3.1)	ND(290)	ND(2.8)	ND(4)	ND(3.8)	ND(4.7)	ND(3.2)	ND(6)	ND(3.8)
Bromomethane	191.4	µg/kg	ND(15)	ND(19)	ND(25)	ND(12)	ND(1,100)	ND(11)	ND(16)	ND(15)	ND(19)	ND(13)	ND(24)	ND(15)
c-1,2-Dichloroethene	132	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
c-1,3-Dichloropropene	- -	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Carbon Disulfide	22,000	µg/kg	ND(7.6)	ND(9.3)	ND(13)	ND(6.2)	ND(570)	ND(5.6)	ND(8.1)	ND(7.7)	ND(9.4)	ND(6.5)	ND(12)	ND(7.6)
Carbon Tetrachloride	20	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Chlorobenzene	1,500	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Chloroethane	850	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	ND(110)	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	ND(2.4)	ND(1.5)
Chloroform	4.18	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Chloromethane	39.6	µg/kg	ND(15)	ND(19)	ND(25)	ND(12)	ND(1,100)	ND(11)	ND(16)	ND(15)	ND(19)	ND(13)	ND(24)	ND(15)
Dibromochloromethane	17.6	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	ND(110)	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	ND(2.4)	ND(1.5)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S146-0"	S147-12"	S148-0"	S149-12"	S150-12"	S151-12"	S152-0"	S153-0"	S154-0"	S155B-0"	S156-0"	S157-0"
Depth (feet bgs):			0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	1 - 1.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	01/07/08	01/02/08
Location ID:	CSL	Unit	S146	S147	S148	S149	S150	S151	S152	S153	S154	S155	S156	S157
Dibromomethane	8,140	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Dichlorodifluoromethane	8,580	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	ND(110)	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	ND(2.4)	ND(1.5)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Ethanol	- -	µg/kg	ND(380)	ND(470)	ND(630)	ND(310)	ND(29,000)	ND(280)	ND(400)	ND(380)	ND(470)	ND(320)	ND(600)	ND(380)
Ethylbenzene	2,300	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	120	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Isopropylbenzene	14,960	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Methylene Chloride	77	µg/kg	ND(7.6)	ND(9.3)	ND(13)	ND(6.2)	ND(570)	ND(5.6)	ND(8.1)	ND(7.7)	ND(9.4)	ND(6.5)	ND(12)	ND(7.6)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	ND(110)	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	ND(2.4)	ND(1.5)
Naphthalene	3.08	µg/kg	ND(7.6)	ND(9.3)	ND(13)	ND(6.2)	ND(570)	ND(5.6)	ND(8.1)	ND(7.7)	ND(9.4)	ND(6.5)	ND(12)	ND(7.6)
n-Butylbenzene	- -	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
n-Propylbenzene	- -	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
o-Xylene	30,800	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	210	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
p/m-Xylene	30,800	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	460	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	2.5	ND(1.5)
p-Isopropyltoluene	- -	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
sec-Butylbenzene	- -	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Styrene	1,500	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
t-1,2-Dichloroethene	220	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
t-1,3-Dichloropropene	- -	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	ND(110)	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	ND(2.4)	ND(1.5)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(15)	ND(19)	ND(25)	ND(12)	ND(1,100)	ND(11)	ND(16)	ND(15)	ND(19)	ND(13)	ND(24)	ND(15)
tert-Butylbenzene	- -	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Tetrachloroethene	110	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Toluene	2,900	µg/kg	ND(0.76)	ND(0.93)	1.5	ND(0.62)	920	ND(0.56)	ND(0.81)	2.5	1.5	ND(0.65)	4.7	ND(0.76)
Trichloroethene	110	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	ND(110)	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	ND(2.4)	ND(1.5)
Trichlorofluoromethane	3,300	µg/kg	ND(7.6)	ND(9.3)	ND(13)	ND(6.2)	ND(570)	ND(5.6)	ND(8.1)	ND(7.7)	ND(9.4)	ND(6.5)	ND(12)	ND(7.6)
Vinyl Acetate	9,020	µg/kg	ND(7.6)	ND(9.3)	ND(13)	ND(6.2)	ND(570)	ND(5.6)	ND(8.1)	ND(7.7)	ND(9.4)	ND(6.5)	ND(12)	ND(7.6)
Vinyl Chloride	11	µg/kg	ND(0.76)	ND(0.93)	ND(1.3)	ND(0.62)	ND(57)	ND(0.56)	ND(0.81)	ND(0.77)	ND(0.94)	ND(0.65)	ND(1.2)	ND(0.76)
Xylenes, total	2,300	µg/kg	ND(1.5)	ND(1.9)	ND(2.5)	ND(1.2)	670	ND(1.1)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.3)	2.5	ND(1.5)

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

D = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S158-0"	S158-12"	S159-0"	S160-0"	S161B-0"	S162-12"	S162-24"	S163-0"	S164-0"	S165-0"	S166-0"	S167-0"
Depth (feet bgs):			0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	2 - 2.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			12/17/07	12/17/07	12/17/07	01/07/08	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07
Location ID:	CSL	Unit	S158	S158	S159	S160	S161	S162	S162	S163	S164	S165	S166	S167
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
1,1,1-Trichloroethane	4,400	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(2)	ND(120)	ND(2)	ND(1.8)	ND(1.5)	ND(1.2)	ND(1.8)	ND(1.7)	ND(1.2)	ND(1.1)	ND(1.4)	ND(1.3)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(9.8)	ND(610)	ND(10)	ND(9.2)	ND(7.7)	ND(6)	ND(9.2)	ND(8.3)	ND(6)	ND(5.6)	ND(7.1)	ND(6.4)
1,1,2-Trichloroethane	70	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
1,1-Dichloroethane	110	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
1,1-Dichloroethene	132	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
1,1-Dichloropropene	- -	µg/kg	ND(2)	ND(120)	ND(2)	ND(1.8)	ND(1.5)	ND(1.2)	ND(1.8)	ND(1.7)	ND(1.2)	ND(1.1)	ND(1.4)	ND(1.3)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(2)	ND(120)	ND(2)	ND(1.8)	ND(1.5)	ND(1.2)	ND(1.8)	ND(1.7)	ND(1.2)	ND(1.1)	ND(1.4)	ND(1.3)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(2)	**550**	ND(2)	ND(1.8)	ND(1.5)	ND(1.2)	ND(1.8)	ND(1.7)	ND(1.2)	ND(1.1)	ND(1.4)	ND(1.3)
1,2,4-Trichlorobenzene	110	µg/kg	ND(2)	ND(120)	ND(2)	ND(1.8)	ND(1.5)	ND(1.2)	ND(1.8)	ND(1.7)	ND(1.2)	ND(1.1)	ND(1.4)	ND(1.3)
1,2,4-Trimethylbenzene	330	µg/kg	ND(2)	**1,100**	ND(2)	ND(1.8)	ND(1.5)	ND(1.2)	ND(1.8)	ND(1.7)	ND(1.2)	ND(1.1)	ND(1.4)	ND(1.3)
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(4.9)	ND(300)	ND(5)	ND(4.6)	ND(3.8)	ND(3)	ND(4.6)	ND(4.2)	ND(3)	ND(2.8)	ND(3.5)	ND(3.2)
1,2-Dibromoethane	0.33	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
1,2-Dichlorobenzene	1,100	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
1,2-Dichloroethane	4.5	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
1,2-Dichloropropane	110	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
1,3,5-Trimethylbenzene	264	µg/kg	ND(2)	**590**	ND(2)	ND(1.8)	ND(1.5)	2.7	ND(1.8)	ND(1.7)	ND(1.2)	ND(1.1)	ND(1.4)	ND(1.3)
1,3-Dichlorobenzene	7,400	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
1,3-Dichloropropane	16,060	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
1,4-Dichlorobenzene	590	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
2,2-Dichloropropane	- -	µg/kg	ND(4.9)	ND(300)	ND(5)	ND(4.6)	ND(3.8)	ND(3)	ND(4.6)	ND(4.2)	ND(3)	ND(2.8)	ND(3.5)	ND(3.2)
2-Butanone	3,900	µg/kg	40	ND(1,200)	ND(20)	33	ND(15)	ND(12)	ND(18)	ND(17)	26	18	20	16
2-Chlorotoluene	16,060	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
2-Hexanone	- -	µg/kg	ND(20)	ND(1,200)	ND(20)	ND(18)	ND(15)	ND(12)	ND(18)	ND(17)	ND(12)	ND(11)	ND(14)	ND(13)
4-Chlorotoluene	57,200	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(20)	ND(1,200)	ND(20)	ND(18)	ND(15)	ND(12)	ND(18)	ND(17)	12	ND(11)	ND(14)	ND(13)
Acetone	500	µg/kg	150	ND(3,000)	ND(50)	ND(3,500)	70	55	50	ND(42)	ND(3,500)	ND(1,300)	130	ND(1,500)
Benzene	22	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	2	1.1	ND(0.83)	1.5	ND(0.56)	6.9	7
Bromobenzene	440	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Bromochloromethane	- -	µg/kg	ND(2)	ND(120)	ND(2)	ND(1.8)	ND(1.5)	ND(1.2)	ND(1.8)	ND(1.7)	ND(1.2)	ND(1.1)	ND(1.4)	ND(1.3)
Bromodichloromethane	24.2	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Bromoform	187	µg/kg	ND(4.9)	ND(300)	ND(5)	ND(4.6)	ND(3.8)	ND(3)	ND(4.6)	ND(4.2)	ND(3)	ND(2.8)	ND(3.5)	ND(3.2)
Bromomethane	191.4	µg/kg	ND(20)	ND(1,200)	ND(20)	ND(18)	ND(15)	ND(12)	ND(18)	ND(17)	ND(12)	ND(11)	ND(14)	ND(13)
c-1,2-Dichloroethene	132	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
c-1,3-Dichloropropene	- -	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Carbon Disulfide	22,000	µg/kg	ND(9.8)	ND(610)	ND(10)	ND(9.2)	ND(7.7)	ND(6)	ND(9.2)	ND(8.3)	ND(6)	ND(5.6)	ND(7.1)	ND(6.4)
Carbon Tetrachloride	20	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Chlorobenzene	1,500	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Chloroethane	850	µg/kg	ND(2)	ND(120)	ND(2)	ND(1.8)	ND(1.5)	ND(1.2)	ND(1.8)	ND(1.7)	ND(1.2)	ND(1.1)	ND(1.4)	ND(1.3)
Chloroform	4.18	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Chloromethane	39.6	µg/kg	ND(20)	ND(1,200)	ND(20)	ND(18)	ND(15)	ND(12)	ND(18)	ND(17)	ND(12)	ND(11)	ND(14)	ND(13)
Dibromochloromethane	17.6	µg/kg	ND(2)	ND(120)	ND(2)	ND(1.8)	ND(1.5)	ND(1.2)	ND(1.8)	ND(1.7)	ND(1.2)	ND(1.1)	ND(1.4)	ND(1.3)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S158-0"	S158-12"	S159-0"	S160-0"	S161B-0"	S162-12"	S162-24"	S163-0"	S164-0"	S165-0"	S166-0"	S167-0"
Depth (feet bgs):			0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	2 - 2.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			12/17/07	12/17/07	12/17/07	01/07/08	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07
Location ID:	CSL	Unit	S158	S158	S159	S160	S161	S162	S162	S163	S164	S165	S166	S167
Dibromomethane	8,140	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Dichlorodifluoromethane	8,580	µg/kg	ND(2)	ND(120)	ND(2)	ND(1.8)	ND(1.5)	ND(1.2)	ND(1.8)	ND(1.7)	ND(1.2)	ND(1.1)	ND(1.4)	ND(1.3)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Ethanol	- -	µg/kg	ND(490)	ND(30,000)	ND(500)	ND(460)	ND(380)	ND(300)	ND(460)	ND(420)	ND(300)	ND(280)	ND(350)	ND(320)
Ethylbenzene	2,300	µg/kg	ND(0.98)	320	ND(1)	ND(0.92)	ND(0.77)	3.2	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Isopropylbenzene	14,960	µg/kg	ND(0.98)	180	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Methylene Chloride	77	µg/kg	ND(9.8)	ND(610)	ND(10)	ND(9.2)	ND(7.7)	ND(6)	ND(9.2)	ND(8.3)	ND(6)	ND(5.6)	ND(7.1)	ND(6.4)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(2)	ND(120)	ND(2)	ND(1.8)	ND(1.5)	6.4	10	1.9	2.3	ND(1.1)	1.9	ND(1.3)
Naphthalene	3.08	µg/kg	ND(9.8)	ND(610)	ND(10)	ND(9.2)	ND(7.7)	ND(6)	ND(9.2)	ND(8.3)	ND(6)	ND(5.6)	ND(7.1)	ND(6.4)
n-Butylbenzene	- -	µg/kg	ND(0.98)	240	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
n-Propylbenzene	- -	µg/kg	ND(0.98)	220	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
o-Xylene	30,800	µg/kg	ND(0.98)	640	ND(1)	ND(0.92)	ND(0.77)	1.8	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
p/m-Xylene	30,800	µg/kg	ND(2)	1,100	ND(2)	ND(1.8)	ND(1.5)	ND(1.2)	ND(1.8)	ND(1.7)	ND(1.2)	ND(1.1)	ND(1.4)	ND(1.3)
p-Isopropyltoluene	- -	µg/kg	ND(0.98)	220	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
sec-Butylbenzene	- -	µg/kg	ND(0.98)	190	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Styrene	1,500	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
t-1,2-Dichloroethene	220	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
t-1,3-Dichloropropene	- -	µg/kg	ND(2)	ND(120)	ND(2)	ND(1.8)	ND(1.5)	ND(1.2)	ND(1.8)	ND(1.7)	ND(1.2)	ND(1.1)	ND(1.4)	ND(1.3)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(20)	ND(1,200)	ND(20)	ND(18)	ND(15)	ND(12)	ND(18)	ND(17)	ND(12)	ND(11)	ND(14)	ND(13)
tert-Butylbenzene	- -	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Tetrachloroethene	110	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Toluene	2,900	µg/kg	ND(0.98)	240	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	1.2	ND(0.56)	3.4	2
Trichloroethene	110	µg/kg	ND(2)	ND(120)	ND(2)	ND(1.8)	ND(1.5)	ND(1.2)	ND(1.8)	ND(1.7)	ND(1.2)	ND(1.1)	ND(1.4)	ND(1.3)
Trichlorofluoromethane	3,300	µg/kg	ND(9.8)	ND(610)	ND(10)	ND(9.2)	ND(7.7)	ND(6)	ND(9.2)	ND(8.3)	ND(6)	ND(5.6)	ND(7.1)	ND(6.4)
Vinyl Acetate	9,020	µg/kg	ND(9.8)	ND(610)	ND(10)	ND(9.2)	ND(7.7)	ND(6)	ND(9.2)	ND(8.3)	ND(6)	ND(5.6)	ND(7.1)	ND(6.4)
Vinyl Chloride	11	µg/kg	ND(0.98)	ND(61)	ND(1)	ND(0.92)	ND(0.77)	ND(0.6)	ND(0.92)	ND(0.83)	ND(0.6)	ND(0.56)	ND(0.71)	ND(0.64)
Xylenes, total	2,300	µg/kg	ND(2)	1,740	ND(2)	ND(1.8)	ND(1.5)	1.8	ND(1.8)	ND(1.7)	ND(1.2)	ND(1.1)	ND(1.4)	ND(1.3)

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S168-0"	S169-0"	S170-0"	S171-0"	S171-12"	S172-0"	S173-0"	S174-0"	S175-0"	S175-0"	S176-0"	S177-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/29/07	11/29/07	01/07/08	12/17/07	12/17/07	12/17/07	12/17/07	12/14/07	01/07/08	01/31/08	11/28/07	11/28/07
Location ID:	CSL	Unit	S168	S169	S170	S171	S171	S172	S173	S174	S175	S175	S176	S177
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
1,1,1-Trichloroethane	4,400	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(1.4)	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	ND(2.2)	ND(1.7)	ND(5.7)	ND(1.8)	ND(1.5)	ND(1.6)	ND(1.8)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(7)	ND(8.3)	ND(7.3)	ND(13)	ND(45)	ND(11)	ND(8.3)	ND(57)	ND(9.2)	ND(7.7)	ND(7.9)	ND(9)
1,1,2-Trichloroethane	70	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
1,1-Dichloroethane	110	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
1,1-Dichloroethene	132	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
1,1-Dichloropropene	- -	µg/kg	ND(1.4)	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	ND(2.2)	ND(1.7)	ND(5.7)	ND(1.8)	ND(1.5)	ND(1.6)	ND(1.8)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(1.4)	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	ND(2.2)	ND(1.7)	ND(11)	ND(1.8)	ND(1.5)	ND(1.6)	ND(1.8)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(1.4)	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	ND(2.2)	ND(1.7)	ND(5.7)	ND(1.8)	ND(1.5)	ND(1.6)	ND(1.8)
1,2,4-Trichlorobenzene	110	µg/kg	ND(1.4)	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	ND(2.2)	ND(1.7)	ND(5.7)	ND(1.8)	ND(1.5)	ND(1.6)	ND(1.8)
1,2,4-Trimethylbenzene	330	µg/kg	ND(1.4)	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	ND(2.2)	ND(1.7)	ND(5.7)	34	33	ND(1.6)	ND(1.8)
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(3.5)	ND(4.1)	ND(3.6)	ND(6.7)	ND(22)	ND(5.6)	ND(4.2)	ND(11)	ND(4.6)	ND(3.9)	ND(3.9)	ND(4.5)
1,2-Dibromoethane	0.33	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
1,2-Dichlorobenzene	1,100	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
1,2-Dichloroethane	4.5	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
1,2-Dichloropropane	110	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	5.3	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
1,3,5-Trimethylbenzene	264	µg/kg	ND(1.4)	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	ND(2.2)	ND(1.7)	ND(5.7)	10	13	ND(1.6)	ND(1.8)
1,3-Dichlorobenzene	7,400	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
1,3-Dichloropropane	16,060	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
1,4-Dichlorobenzene	590	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
2,2-Dichloropropane	- -	µg/kg	ND(3.5)	ND(4.1)	ND(3.6)	ND(6.7)	ND(22)	ND(5.6)	ND(4.2)	ND(5.7)	ND(4.6)	ND(3.9)	ND(3.9)	ND(4.5)
2-Butanone	3,900	µg/kg	29	31	43	ND(27)	ND(89)	150	ND(17)	ND(57)	ND(18)	ND(15)	20	23
2-Chlorotoluene	16,060	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
2-Hexanone	- -	µg/kg	ND(14)	ND(17)	ND(15)	ND(27)	ND(89)	ND(22)	ND(17)	ND(57)	ND(18)	ND(15)	ND(16)	ND(18)
4-Chlorotoluene	57,200	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(14)	ND(17)	ND(15)	ND(27)	ND(89)	ND(22)	ND(17)	ND(57)	ND(18)	ND(15)	ND(16)	ND(18)
Acetone	500	µg/kg	ND(2,200)	ND(2,100)	ND(2,500)	99	**540**	160	56	ND(140)	52	ND(39)	140	160
Benzene	22	µg/kg	2.6	ND(0.83)	0.73	ND(1.3)	ND(4.5)	8	ND(0.83)	ND(5.7)	**4,300 D**	4.4	ND(0.79)	ND(0.9)
Bromobenzene	440	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
Bromochloromethane	- -	µg/kg	ND(1.4)	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	ND(2.2)	ND(1.7)	ND(5.7)	ND(1.8)	ND(1.5)	ND(1.6)	ND(1.8)
Bromodichloromethane	24.2	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
Bromoform	187	µg/kg	ND(3.5)	ND(4.1)	ND(3.6)	ND(6.7)	ND(22)	ND(5.6)	ND(4.2)	ND(5.7)	ND(4.6)	ND(3.9)	ND(3.9)	ND(4.5)
Bromomethane	191.4	µg/kg	ND(14)	ND(17)	ND(15)	ND(27)	ND(89)	ND(22)	ND(17)	ND(29)	ND(18)	ND(15)	ND(16)	ND(18)
c-1,2-Dichloroethene	132	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
c-1,3-Dichloropropene	- -	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
Carbon Disulfide	22,000	µg/kg	ND(7)	ND(8.3)	ND(7.3)	ND(13)	ND(45)	ND(11)	ND(8.3)	ND(57)	ND(9.2)	ND(7.7)	ND(7.9)	ND(9)
Carbon Tetrachloride	20	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
Chlorobenzene	1,500	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
Chloroethane	850	µg/kg	ND(1.4)	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	ND(2.2)	ND(1.7)	ND(5.7)	ND(1.8)	ND(1.5)	ND(1.6)	ND(1.8)
Chloroform	4.18	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	1.5	ND(0.83)	ND(5.7)	1.4	ND(0.77)	ND(0.79)	ND(0.9)
Chloromethane	39.6	µg/kg	ND(14)	ND(17)	ND(15)	ND(27)	ND(89)	ND(22)	ND(17)	ND(29)	ND(18)	ND(15)	ND(16)	ND(18)
Dibromochloromethane	17.6	µg/kg	ND(1.4)	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	ND(2.2)	ND(1.7)	ND(5.7)	ND(1.8)	ND(1.5)	ND(1.6)	ND(1.8)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S168-0"	S169-0"	S170-0"	S171-0"	S171-12"	S172-0"	S173-0"	S174-0"	S175-0"	S175-0"	S176-0"	S177-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/29/07	11/29/07	01/07/08	12/17/07	12/17/07	12/17/07	12/17/07	12/14/07	01/07/08	01/31/08	11/28/07	11/28/07
Location ID:	CSL	Unit	S168	S169	S170	S171	S171	S172	S173	S174	S175	S175	S176	S177
Dibromomethane	8,140	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
Dichlorodifluoromethane	8,580	µg/kg	ND(1.4)	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	ND(2.2)	ND(1.7)	ND(5.7)	ND(1.8)	ND(1.5)	ND(1.6)	ND(1.8)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(11)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
Ethanol	- -	µg/kg	ND(350)	ND(410)	ND(360)	ND(670)	ND(2,200)	ND(560)	ND(420)	ND(290)	ND(460)	ND(390)	ND(390)	ND(450)
Ethylbenzene	2,300	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	140	15	ND(0.79)	ND(0.9)
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(11)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
Isopropylbenzene	14,960	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	3.2	0.91	ND(0.79)	ND(0.9)
Methylene Chloride	77	µg/kg	ND(7)	ND(8.3)	ND(7.3)	ND(13)	ND(45)	ND(11)	ND(8.3)	ND(57)	ND(9.2)	ND(7.7)	ND(7.9)	ND(9)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(1.4)	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	ND(2.2)	ND(1.7)	ND(5.7)	10	ND(1.5)	ND(1.6)	ND(1.8)
Naphthalene	3.08	µg/kg	ND(7)	ND(8.3)	ND(7.3)	ND(13)	ND(45)	ND(11)	ND(8.3)	ND(57)	**9.2**	**17**	NA	NA
n-Butylbenzene	- -	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	1.4	1.3	ND(0.79)	ND(0.9)
n-Propylbenzene	- -	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	6.6	3.5	ND(0.79)	ND(0.9)
o-Xylene	30,800	µg/kg	1.3	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	74	33	ND(0.79)	ND(0.9)
p/m-Xylene	30,800	µg/kg	3.2	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	3.4	ND(1.7)	ND(5.7)	180	51	ND(1.6)	2.7
p-Isopropyltoluene	- -	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
sec-Butylbenzene	- -	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
Styrene	1,500	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
t-1,2-Dichloroethene	220	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
t-1,3-Dichloropropene	- -	µg/kg	ND(1.4)	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	ND(2.2)	ND(1.7)	ND(5.7)	ND(1.8)	ND(1.5)	ND(1.6)	ND(1.8)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(11)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(14)	ND(17)	ND(15)	ND(27)	ND(89)	ND(22)	ND(17)	ND(57)	59	ND(15)	ND(16)	ND(18)
tert-Butylbenzene	- -	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
Tetrachloroethene	110	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
Toluene	2,900	µg/kg	11	ND(0.83)	0.73	ND(1.3)	ND(4.5)	5.4	ND(0.83)	ND(5.7)	**3,500 D**	8.5	ND(0.79)	1.3
Trichloroethene	110	µg/kg	ND(1.4)	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	ND(2.2)	ND(1.7)	ND(5.7)	ND(1.8)	ND(1.5)	ND(1.6)	ND(1.8)
Trichlorofluoromethane	3,300	µg/kg	ND(7)	ND(8.3)	ND(7.3)	ND(13)	ND(45)	ND(11)	ND(8.3)	ND(57)	ND(9.2)	ND(7.7)	ND(7.9)	ND(9)
Vinyl Acetate	9,020	µg/kg	ND(7)	ND(8.3)	ND(7.3)	ND(13)	ND(45)	ND(11)	ND(8.3)	ND(57)	ND(9.2)	ND(7.7)	ND(7.9)	ND(9)
Vinyl Chloride	11	µg/kg	ND(0.7)	ND(0.83)	ND(0.73)	ND(1.3)	ND(4.5)	ND(1.1)	ND(0.83)	ND(5.7)	ND(0.92)	ND(0.77)	ND(0.79)	ND(0.9)
Xylenes, total	2,300	µg/kg	4.5	ND(1.7)	ND(1.5)	ND(2.7)	ND(8.9)	3.4	ND(1.7)	ND(5.7)	254	84	ND(1.6)	2.7

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilute

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S178-0"	S179-0"	S180-0"	S181-0"	S182-0"	S183-0"	S184-0"	S185-6"	S186-0"	S187-0"	S188-0"	S189-0"	S190-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/28/07	11/28/07	11/28/07	01/31/08	12/14/07	12/17/07	12/14/07	01/19/09	01/31/08	01/04/08	11/26/07	11/26/07	11/26/07
Location ID:	CSL	Unit	S178	S179	S180	S181	S182	S183	S184	S185	S186	S187	S188	S189	S190
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
1,1,1-Trichloroethane	4,400	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	3.8	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	ND(2.4)	ND(2.3)	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(5.3)	ND(9.8)	ND(9.9)	ND(10)	ND(11)	ND(12)	ND(12)	ND(11)	ND(10)	ND(7.1)	ND(4.4)	ND(9.2)	ND(9.1)
1,1,2-Trichloroethane	70	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
1,1-Dichloroethane	110	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
1,1-Dichloroethene	132	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
1,1-Dichloropropene	- -	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	ND(2.4)	ND(2.3)	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	ND(2.4)	ND(2.3)	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	ND(2.4)	ND(2.3)	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)
1,2,4-Trichlorobenzene	110	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	ND(2.4)	ND(2.3)	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)
1,2,4-Trimethylbenzene	330	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	ND(2.4)	ND(2.3)	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(2.7)	ND(4.9)	ND(4.9)	ND(5.1)	ND(5.4)	ND(6)	ND(5.9)	ND(5.7)	ND(5.2)	ND(3.6)	ND(2.2)	ND(4.6)	ND(4.5)
1,2-Dibromoethane	0.33	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
1,2-Dichlorobenzene	1,100	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
1,2-Dichloroethane	4.5	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
1,2-Dichloropropane	110	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
1,3,5-Trimethylbenzene	264	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	ND(2.4)	ND(2.3)	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)
1,3-Dichlorobenzene	7,400	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
1,3-Dichloropropane	16,060	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
1,4-Dichlorobenzene	590	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
2,2-Dichloropropane	- -	µg/kg	ND(2.7)	ND(4.9)	ND(4.9)	ND(5.1)	ND(5.4)	ND(6)	ND(5.9)	ND(5.7)	ND(5.2)	ND(3.6)	ND(2.2)	ND(4.6)	ND(4.5)
2-Butanone	3,900	µg/kg	ND(11)	ND(20)	39	28	ND(22)	ND(24)	ND(24)	26	23	ND(14)	ND(8.9)	ND(18)	ND(18)
2-Chlorotoluene	16,060	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
2-Hexanone	- -	µg/kg	ND(11)	ND(20)	ND(20)	ND(20)	ND(22)	ND(24)	ND(24)	ND(23)	ND(21)	ND(14)	ND(8.9)	ND(18)	ND(18)
4-Chlorotoluene	57,200	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(11)	ND(20)	ND(20)	ND(20)	ND(22)	ND(24)	ND(24)	ND(23)	ND(21)	ND(14)	ND(8.9)	ND(18)	ND(18)
Acetone	500	µg/kg	ND(27)	ND(49)	ND(1,400)	190	83	92	170	170	170	ND(36)	89	ND(46)	85
Benzene	22	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	**38**	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Bromobenzene	440	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Bromochloromethane	- -	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	ND(2.4)	ND(2.3)	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)
Bromodichloromethane	24.2	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Bromoform	187	µg/kg	ND(2.7)	ND(4.9)	ND(4.9)	ND(5.1)	ND(5.4)	ND(6)	ND(5.9)	ND(5.7)	ND(5.2)	ND(3.6)	ND(2.2)	ND(4.6)	ND(4.5)
Bromomethane	191.4	µg/kg	ND(11)	ND(20)	ND(20)	ND(20)	ND(22)	ND(24)	ND(24)	ND(23)	ND(21)	ND(14)	ND(8.9)	ND(18)	ND(18)
c-1,2-Dichloroethene	132	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
c-1,3-Dichloropropene	- -	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Carbon Disulfide	22,000	µg/kg	ND(5.3)	ND(9.8)	ND(9.9)	ND(10)	ND(11)	ND(12)	ND(12)	ND(11)	ND(10)	ND(7.1)	ND(4.4)	ND(9.2)	ND(9.1)
Carbon Tetrachloride	20	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Chlorobenzene	1,500	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Chloroethane	850	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	ND(2.4)	ND(2.3)	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)
Chloroform	4.18	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	**9.4**	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Chloromethane	39.6	µg/kg	ND(11)	ND(20)	ND(20)	ND(20)	ND(22)	ND(24)	ND(24)	ND(23)	ND(21)	ND(14)	ND(8.9)	ND(18)	ND(18)
Dibromochloromethane	17.6	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	ND(2.4)	ND(2.3)	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S178-0"	S179-0"	S180-0"	S181-0"	S182-0"	S183-0"	S184-0"	S185-6"	S186-0"	S187-0"	S188-0"	S189-0"	S190-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/28/07	11/28/07	11/28/07	01/31/08	12/14/07	12/17/07	12/14/07	01/19/09	01/31/08	01/04/08	11/26/07	11/26/07	11/26/07
Location ID:	CSL	Unit	S178	S179	S180	S181	S182	S183	S184	S185	S186	S187	S188	S189	S190
Dibromomethane	8,140	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Dichlorodifluoromethane	8,580	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	ND(2.4)	ND(2.3)	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Ethanol	- -	µg/kg	ND(270)	ND(490)	ND(490)	ND(510)	ND(540)	ND(600)	ND(590)	ND(570)	ND(520)	ND(360)	ND(220)	ND(460)	ND(450)
Ethylbenzene	2,300	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	4	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Isopropylbenzene	14,960	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Methylene Chloride	77	µg/kg	ND(5.3)	ND(9.8)	ND(9.9)	ND(10)	ND(11)	ND(12)	ND(12)	ND(11)	ND(10)	ND(7.1)	ND(4.4)	ND(9.2)	ND(9.1)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	**230**	ND(2.3)	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)
Naphthalene	3.08	µg/kg	NA	NA	NA	ND(10)	ND(11)	ND(12)	ND(12)	**33**	ND(10)	ND(7.1)	ND(4.4)	ND(9.2)	ND(9.1)
n-Butylbenzene	- -	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
n-Propylbenzene	- -	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(2.3)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
o-Xylene	30,800	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
p/m-Xylene	30,800	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	4.6	ND(2.3)	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)
p-Isopropyltoluene	- -	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
sec-Butylbenzene	- -	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Styrene	1,500	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
t-1,2-Dichloroethene	220	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
t-1,3-Dichloropropene	- -	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	ND(2.4)	ND(2.3)	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(11)	ND(20)	ND(20)	ND(20)	ND(22)	ND(24)	**81**	ND(23)	ND(21)	ND(14)	ND(8.9)	ND(18)	ND(18)
tert-Butylbenzene	- -	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Tetrachloroethene	110	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Toluene	2,900	µg/kg	ND(0.53)	ND(0.98)	1.1	1.1	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Trichloroethene	110	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	ND(2.4)	ND(2.3)	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)
Trichlorofluoromethane	3,300	µg/kg	ND(5.3)	ND(9.8)	ND(9.9)	ND(10)	ND(11)	ND(12)	ND(12)	ND(11)	ND(10)	ND(7.1)	ND(4.4)	ND(9.2)	ND(9.1)
Vinyl Acetate	9,020	µg/kg	ND(5.3)	ND(9.8)	ND(9.9)	ND(10)	ND(11)	ND(12)	ND(12)	ND(11)	ND(10)	ND(7.1)	ND(4.4)	ND(9.2)	ND(9.1)
Vinyl Chloride	11	µg/kg	ND(0.53)	ND(0.98)	ND(0.99)	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.1)	ND(1)	ND(0.71)	ND(0.44)	ND(0.92)	ND(0.91)
Xylenes, total	2,300	µg/kg	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(2.2)	ND(2.4)	4.6	NA	ND(2.1)	ND(1.4)	ND(0.89)	ND(1.8)	ND(1.8)

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S191-0" 0 - 0.5 11/26/07 S191	S192-0" 0 - 0.5 11/26/07 S192	S193-0" 0 - 0.5 11/26/07 S193	S194-0" 0 - 0.5 11/26/07 S194	S195-0" 0 - 0.5 11/26/07 S195	S196-0" 0 - 0.5 11/26/07 S196	S196-18" 1.5 - 2 11/26/07 S196	S197-0" 0 - 0.5 11/26/07 S197	S198-0" 0 - 0.5 11/26/07 S198	S199-12" 1 - 1.5 11/26/07 S199	S199-24" 2 - 2.5 11/26/07 S199	S200-0" 0 - 0.5 11/26/07 S200
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
1,1,1-Trichloroethane	4,400	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	ND(1.1)	ND(1,100)	ND(2)	ND(1.3)	ND(57)	ND(1.2)	ND(1.1)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(4.9)	ND(9.4)	ND(8.9)	ND(9.8)	ND(12)	ND(5.6)	ND(5,600)	ND(10)	ND(6.3)	ND(280)	ND(6)	ND(5.4)
1,1,2-Trichloroethane	70	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	3.7	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
1,1-Dichloroethane	110	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
1,1-Dichloroethene	132	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
1,1-Dichloropropene	- -	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	ND(1.1)	ND(1,100)	ND(2)	ND(1.3)	ND(57)	ND(1.2)	ND(1.1)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	ND(1.1)	ND(1,100)	ND(2)	ND(1.3)	ND(57)	ND(1.2)	ND(1.1)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	ND(1.1)	ND(1,100)	ND(2)	ND(1.3)	ND(57)	ND(1.2)	ND(1.1)
1,2,4-Trichlorobenzene	110	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	ND(1.1)	ND(1,100)	ND(2)	ND(1.3)	ND(57)	ND(1.2)	ND(1.1)
1,2,4-Trimethylbenzene	330	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	57	**27,000**	ND(2)	ND(1.3)	**2,300**	110	ND(1.1)
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(2.5)	ND(4.7)	ND(4.5)	ND(4.9)	ND(5.8)	ND(2.8)	ND(2,800)	ND(5)	ND(3.1)	ND(140)	ND(3)	ND(2.7)
1,2-Dibromoethane	0.33	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
1,2-Dichlorobenzene	1,100	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
1,2-Dichloroethane	4.5	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
1,2-Dichloropropane	110	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
1,3,5-Trimethylbenzene	264	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	12	**9,300**	ND(2)	ND(1.3)	**1,100**	62	ND(1.1)
1,3-Dichlorobenzene	7,400	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
1,3-Dichloropropane	16,060	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
1,4-Dichlorobenzene	590	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
2,2-Dichloropropane	- -	µg/kg	ND(2.5)	ND(4.7)	ND(4.5)	ND(4.9)	ND(5.8)	ND(2.8)	ND(2,800)	ND(5)	ND(3.1)	ND(140)	ND(3)	ND(2.7)
2-Butanone	3,900	µg/kg	30	35	ND(18)	29	ND(23)	ND(11)	ND(11,000)	25	ND(13)	ND(570)	ND(12)	60
2-Chlorotoluene	16,060	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
2-Hexanone	- -	µg/kg	ND(9.8)	ND(19)	ND(18)	ND(20)	ND(23)	ND(11)	ND(11,000)	ND(20)	ND(13)	ND(570)	ND(12)	ND(11)
4-Chlorotoluene	57,200	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(9.8)	ND(19)	ND(18)	ND(20)	ND(23)	ND(11)	ND(11,000)	ND(20)	ND(13)	ND(570)	ND(12)	ND(11)
Acetone	500	µg/kg	ND(1,300)	170	100	180	70	61	ND(28,000)	150	41	ND(1,400)	ND(30)	ND(980)
Benzene	22	µg/kg	0.64	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	4.4	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
Bromobenzene	440	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
Bromochloromethane	- -	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	ND(1.1)	ND(1,100)	ND(2)	ND(1.3)	ND(57)	ND(1.2)	ND(1.1)
Bromodichloromethane	24.2	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
Bromoform	187	µg/kg	ND(2.5)	ND(4.7)	ND(4.5)	ND(4.9)	ND(5.8)	ND(2.8)	ND(2,800)	ND(5)	ND(3.1)	ND(140)	ND(3)	ND(2.7)
Bromomethane	191.4	µg/kg	ND(9.8)	ND(19)	ND(18)	ND(20)	ND(23)	ND(11)	ND(11,000)	ND(20)	ND(13)	ND(570)	ND(12)	ND(11)
c-1,2-Dichloroethene	132	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
c-1,3-Dichloropropene	- -	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
Carbon Disulfide	22,000	µg/kg	ND(4.9)	ND(9.4)	ND(8.9)	ND(9.8)	ND(12)	ND(5.6)	ND(5,600)	ND(10)	ND(6.3)	ND(280)	ND(6)	ND(5.4)
Carbon Tetrachloride	20	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
Chlorobenzene	1,500	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
Chloroethane	850	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	ND(1.1)	ND(1,100)	ND(2)	ND(1.3)	ND(57)	ND(1.2)	ND(1.1)
Chloroform	4.18	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
Chloromethane	39.6	µg/kg	ND(9.8)	ND(19)	ND(18)	ND(20)	ND(23)	ND(11)	ND(11,000)	ND(20)	ND(13)	ND(570)	ND(12)	ND(11)
Dibromochloromethane	17.6	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	ND(1.1)	ND(1,100)	ND(2)	ND(1.3)	ND(57)	ND(1.2)	ND(1.1)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S191-0" 0 - 0.5 11/26/07 S191	S192-0" 0 - 0.5 11/26/07 S192	S193-0" 0 - 0.5 11/26/07 S193	S194-0" 0 - 0.5 11/26/07 S194	S195-0" 0 - 0.5 11/26/07 S195	S196-0" 0 - 0.5 11/26/07 S196	S196-18" 1.5 - 2 11/26/07 S196	S197-0" 0 - 0.5 11/26/07 S197	S198-0" 0 - 0.5 11/26/07 S198	S199-12" 1 - 1.5 11/26/07 S199	S199-24" 2 - 2.5 11/26/07 S199	S200-0" 0 - 0.5 11/26/07 S200
Dibromomethane	8,140	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
Dichlorodifluoromethane	8,580	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	ND(1.1)	ND(1,100)	ND(2)	ND(1.3)	ND(57)	ND(1.2)	ND(1.1)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
Ethanol	- -	µg/kg	ND(250)	ND(470)	ND(450)	ND(490)	ND(580)	ND(280)	ND(280,000)	ND(500)	ND(310)	ND(14,000)	ND(300)	ND(270)
Ethylbenzene	2,300	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	1,100 D	600	ND(1)	ND(0.63)	130	3.2	ND(0.54)
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
Isopropylbenzene	14,960	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	10	5,400	ND(1)	ND(0.63)	120	1.9	ND(0.54)
Methylene Chloride	77	µg/kg	ND(4.9)	ND(9.4)	ND(8.9)	ND(9.8)	ND(12)	ND(5.6)	ND(5,600)	ND(10)	ND(6.3)	ND(280)	ND(6)	ND(5.4)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	ND(1.1)	ND(1,100)	ND(2)	ND(1.3)	ND(57)	ND(1.2)	ND(1.1)
Naphthalene	3.08	µg/kg	ND(4.9)	ND(9.4)	ND(8.9)	ND(9.8)	ND(12)	ND(5.6)	**7,500**	ND(10)	ND(6.3)	**1,400**	**7.4**	ND(5.4)
n-Butylbenzene	- -	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	0.68	3,500	ND(1)	ND(0.63)	260	9.5	ND(0.54)
n-Propylbenzene	- -	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	8.7	8,600	ND(1)	ND(0.63)	170	1.9	ND(0.54)
o-Xylene	30,800	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	5.8	ND(560)	ND(1)	ND(0.63)	370	6.2	ND(0.54)
p/m-Xylene	30,800	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	3,000 D	ND(1,100)	ND(2)	ND(1.3)	1,700	110	1.2
p-Isopropyltoluene	- -	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	0.68	2,000	ND(1)	ND(0.63)	200	12	ND(0.54)
sec-Butylbenzene	- -	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	0.66	2,800	ND(1)	ND(0.63)	110	5	ND(0.54)
Styrene	1,500	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
t-1,2-Dichloroethene	220	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
t-1,3-Dichloropropene	- -	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	ND(1.1)	ND(1,100)	ND(2)	ND(1.3)	ND(57)	ND(1.2)	ND(1.1)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(9.8)	ND(19)	ND(18)	ND(20)	ND(23)	12	ND(11,000)	ND(20)	ND(13)	ND(570)	ND(12)	ND(11)
tert-Butylbenzene	- -	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	0.81	ND(0.54)
Tetrachloroethene	110	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
Toluene	2,900	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	1.5	ND(560)	ND(1)	ND(0.63)	120	6.2	ND(0.54)
Trichloroethene	110	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	ND(1.1)	ND(1,100)	ND(2)	ND(1.3)	ND(57)	ND(1.2)	ND(1.1)
Trichlorofluoromethane	3,300	µg/kg	ND(4.9)	ND(9.4)	ND(8.9)	ND(9.8)	ND(12)	ND(5.6)	ND(5,600)	ND(10)	ND(6.3)	ND(280)	ND(6)	ND(5.4)
Vinyl Acetate	9,020	µg/kg	ND(4.9)	ND(9.4)	ND(8.9)	ND(9.8)	ND(12)	ND(5.6)	ND(5,600)	ND(10)	ND(6.3)	ND(280)	ND(6)	ND(5.4)
Vinyl Chloride	11	µg/kg	ND(0.49)	ND(0.94)	ND(0.89)	ND(0.98)	ND(1.2)	ND(0.56)	ND(560)	ND(1)	ND(0.63)	ND(28)	ND(0.6)	ND(0.54)
Xylenes, total	2,300	µg/kg	ND(0.98)	ND(1.9)	ND(1.8)	ND(2)	ND(2.3)	**3,010**	ND(1,100)	ND(2)	ND(1.3)	2,070	116	1.2

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S201-0"	S201-18"	S202-0"	S203-0"	S204-0"	S205-0"	S206-0"	S207-0"	S208-0"	S209-0"	S210-0"	S211-0"	S212-0"
Depth (feet bgs):			0 - 0.5	1.5 - 2	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/26/07	11/26/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/26/07	11/26/07	11/26/07	11/26/07	11/26/07
Location ID:	CSL	Unit	S201	S201	S202	S203	S204	S205	S206	S207	S208	S209	S210	S211	S212
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
1,1,1-Trichloroethane	4,400	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
1,1,2,2-Tetrachloroethane	18	µg/kg	12	ND(2.6)	ND(1.4)	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	ND(1.4)	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(15)	ND(13)	ND(6.9)	ND(8.1)	ND(5.9)	ND(9)	ND(9.5)	ND(4.5)	ND(7.2)	ND(4.6)	ND(4.8)	ND(4.4)	ND(9.3)
1,1,2-Trichloroethane	70	µg/kg	7.7	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
1,1-Dichloroethane	110	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
1,1-Dichloroethene	132	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
1,1-Dichloropropene	- -	µg/kg	ND(3)	ND(2.6)	ND(1.4)	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	ND(1.4)	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(3)	ND(2.6)	ND(1.4)	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	ND(1.4)	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(3)	ND(2.6)	ND(1.4)	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	ND(1.4)	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)
1,2,4-Trichlorobenzene	110	µg/kg	ND(3)	ND(2.6)	ND(1.4)	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	ND(1.4)	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)
1,2,4-Trimethylbenzene	330	µg/kg	37	ND(2.6)	ND(1.4)	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	25	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(7.6)	ND(6.4)	ND(3.5)	ND(4)	ND(3)	ND(4.5)	ND(4.7)	ND(2.2)	ND(3.6)	ND(2.3)	ND(2.4)	ND(2.2)	ND(4.6)
1,2-Dibromoethane	0.33	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
1,2-Dichlorobenzene	1,100	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
1,2-Dichloroethane	4.5	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
1,2-Dichloropropane	110	µg/kg	2.1	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
1,3,5-Trimethylbenzene	264	µg/kg	16	ND(2.6)	ND(1.4)	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	22	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)
1,3-Dichlorobenzene	7,400	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
1,3-Dichloropropane	16,060	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
1,4-Dichlorobenzene	590	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
2,2-Dichloropropane	- -	µg/kg	ND(7.6)	ND(6.4)	ND(3.5)	ND(4)	ND(3)	ND(4.5)	ND(4.7)	ND(2.2)	ND(3.6)	ND(2.3)	ND(2.4)	ND(2.2)	ND(4.6)
2-Butanone	3,900	µg/kg	ND(30)	ND(26)	ND(14)	ND(16)	12	34	ND(19)	ND(8.9)	ND(14)	16	15	12	ND(19)
2-Chlorotoluene	16,060	µg/kg	2.8	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
2-Hexanone	- -	µg/kg	ND(30)	ND(26)	ND(14)	ND(16)	ND(12)	ND(18)	ND(19)	ND(8.9)	ND(14)	ND(9.1)	ND(9.7)	ND(8.9)	ND(19)
4-Chlorotoluene	57,200	µg/kg	2.1	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(30)	ND(26)	ND(14)	ND(16)	ND(12)	ND(18)	ND(19)	ND(8.9)	ND(14)	ND(9.1)	ND(9.7)	ND(8.9)	ND(19)
Acetone	500	µg/kg	130	ND(64)	36	51	72	ND(2,100)	130	45	55	ND(1,200)	75	59	ND(46)
Benzene	22	µg/kg	2.5	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Bromobenzene	440	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Bromochloromethane	- -	µg/kg	ND(3)	ND(2.6)	ND(1.4)	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	ND(1.4)	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)
Bromodichloromethane	24.2	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Bromoform	187	µg/kg	ND(7.6)	ND(6.4)	ND(3.5)	ND(4)	ND(3)	ND(4.5)	ND(4.7)	ND(2.2)	ND(3.6)	ND(2.3)	ND(2.4)	ND(2.2)	ND(4.6)
Bromomethane	191.4	µg/kg	ND(30)	ND(26)	ND(14)	ND(16)	ND(12)	ND(18)	ND(19)	ND(8.9)	ND(14)	ND(9.1)	ND(9.7)	ND(8.9)	ND(19)
c-1,2-Dichloroethene	132	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
c-1,3-Dichloropropene	- -	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Carbon Disulfide	22,000	µg/kg	ND(15)	ND(13)	ND(6.9)	ND(8.1)	ND(5.9)	ND(9)	ND(9.5)	ND(4.5)	ND(7.2)	ND(4.6)	ND(4.8)	ND(4.4)	9.6
Carbon Tetrachloride	20	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Chlorobenzene	1,500	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Chloroethane	850	µg/kg	ND(3)	ND(2.6)	ND(1.4)	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	ND(1.4)	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)
Chloroform	4.18	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Chloromethane	39.6	µg/kg	ND(30)	ND(26)	ND(14)	ND(16)	ND(12)	ND(18)	ND(19)	ND(8.9)	ND(14)	ND(9.1)	ND(9.7)	ND(8.9)	ND(19)
Dibromochloromethane	17.6	µg/kg	ND(3)	ND(2.6)	ND(1.4)	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	ND(1.4)	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S201-0"	S201-18"	S202-0"	S203-0"	S204-0"	S205-0"	S206-0"	S207-0"	S208-0"	S209-0"	S210-0"	S211-0"	S212-0"
Depth (feet bgs):			0 - 0.5	1.5 - 2	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/26/07	11/26/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/26/07	11/26/07	11/26/07	11/26/07	11/26/07
Location ID:	CSL	Unit	S201	S201	S202	S203	S204	S205	S206	S207	S208	S209	S210	S211	S212
Dibromomethane	8,140	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Dichlorodifluoromethane	8,580	µg/kg	ND(3)	ND(2.6)	ND(1.4)	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	ND(1.4)	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Ethanol	- -	µg/kg	ND(760)	ND(640)	ND(350)	ND(400)	ND(300)	ND(450)	ND(470)	ND(220)	ND(360)	ND(230)	ND(240)	ND(220)	ND(460)
Ethylbenzene	2,300	µg/kg	11	ND(1.3)	4	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	9.2	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Isopropylbenzene	14,960	µg/kg	3.8	1.3	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	3.2	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Methylene Chloride	77	µg/kg	ND(15)	ND(13)	ND(6.9)	ND(8.1)	ND(5.9)	ND(9)	ND(9.5)	ND(4.5)	ND(7.2)	ND(4.6)	ND(4.8)	ND(4.4)	ND(9.3)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(3)	ND(2.6)	ND(1.4)	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	ND(1.4)	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)
Naphthalene	3.08	µg/kg	**32**	**23**	NA	NA	NA	NA	NA	NA	**56**	ND(4.6)	ND(4.8)	ND(4.4)	ND(9.3)
n-Butylbenzene	- -	µg/kg	4.7	1.9	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	6.5	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
n-Propylbenzene	- -	µg/kg	5.3	1.5	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	4.7	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
o-Xylene	30,800	µg/kg	12	ND(1.3)	4.1	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	18	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
p/m-Xylene	30,800	µg/kg	26	ND(2.6)	14	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	2.2	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)
p-Isopropyltoluene	- -	µg/kg	3.3	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	4.5	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
sec-Butylbenzene	- -	µg/kg	2.7	2.5	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	3.2	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Styrene	1,500	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
t-1,2-Dichloroethene	220	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
t-1,3-Dichloropropene	- -	µg/kg	ND(3)	ND(2.6)	ND(1.4)	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	ND(1.4)	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(30)	ND(26)	ND(14)	ND(16)	ND(12)	ND(18)	ND(19)	ND(8.9)	ND(14)	ND(9.1)	ND(9.7)	ND(8.9)	ND(19)
tert-Butylbenzene	- -	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Tetrachloroethene	110	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Toluene	2,900	µg/kg	1.9	ND(1.3)	1.3	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Trichloroethene	110	µg/kg	ND(3)	ND(2.6)	ND(1.4)	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	ND(1.4)	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)
Trichlorofluoromethane	3,300	µg/kg	ND(15)	ND(13)	ND(6.9)	ND(8.1)	ND(5.9)	ND(9)	ND(9.5)	ND(4.5)	ND(7.2)	ND(4.6)	ND(4.8)	ND(4.4)	ND(9.3)
Vinyl Acetate	9,020	µg/kg	ND(15)	ND(13)	ND(6.9)	ND(8.1)	ND(5.9)	ND(9)	ND(9.5)	ND(4.5)	ND(7.2)	ND(4.6)	ND(4.8)	ND(4.4)	ND(9.3)
Vinyl Chloride	11	µg/kg	ND(1.5)	ND(1.3)	ND(0.69)	ND(0.81)	ND(0.59)	ND(0.9)	ND(0.95)	ND(0.45)	ND(0.72)	ND(0.46)	ND(0.48)	ND(0.44)	ND(0.93)
Xylenes, total	2,300	µg/kg	38	ND(2.6)	18.1	ND(1.6)	ND(1.2)	ND(1.8)	ND(1.9)	ND(0.89)	20.2	ND(0.91)	ND(0.97)	ND(0.89)	ND(1.9)

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S213-0" 0 - 0.5 11/28/07 S213	S214-0" 0 - 0.5 11/28/07 S214	S215-0" 0 - 0.5 11/28/07 S215	S216-0" 0 - 0.5 11/28/07 S216	S217-0" 0 - 0.5 11/28/07 S217	S218-0" 0 - 0.5 11/28/07 S218	S219-0" 0 - 0.5 11/28/07 S219	S220-0" 0 - 0.5 11/28/07 S220	S221-0" 0 - 0.5 11/28/07 S221	S222-0" 0 - 0.5 11/28/07 S222	S223-0" 0 - 0.5 11/28/07 S223	S224-0" 0 - 0.5 11/28/07 S224
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
1,1,1-Trichloroethane	4,400	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(1.8)	ND(1.2)	ND(340)	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	ND(150)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(9.1)	ND(5.8)	ND(1,700)	ND(7.5)	ND(6.8)	ND(7.4)	ND(4.6)	ND(8.6)	ND(7.5)	ND(9.4)	ND(5.9)	ND(740)
1,1,2-Trichloroethane	70	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
1,1-Dichloroethane	110	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
1,1-Dichloroethene	132	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
1,1-Dichloropropene	- -	µg/kg	ND(1.8)	ND(1.2)	ND(340)	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	ND(150)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(1.8)	ND(1.2)	ND(340)	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	ND(150)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(1.8)	ND(1.2)	ND(340)	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	ND(150)
1,2,4-Trichlorobenzene	110	µg/kg	ND(1.8)	ND(1.2)	ND(340)	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	ND(150)
1,2,4-Trimethylbenzene	330	µg/kg	ND(1.8)	ND(1.2)	**13,000**	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	ND(150)
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(4.5)	ND(2.9)	ND(860)	ND(3.8)	ND(3.4)	ND(3.7)	ND(2.3)	ND(4.3)	ND(3.8)	ND(4.7)	ND(2.9)	ND(370)
1,2-Dibromoethane	0.33	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
1,2-Dichlorobenzene	1,100	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
1,2-Dichloroethane	4.5	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
1,2-Dichloropropane	110	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
1,3,5-Trimethylbenzene	264	µg/kg	ND(1.8)	ND(1.2)	**3,800**	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	ND(150)
1,3-Dichlorobenzene	7,400	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
1,3-Dichloropropane	16,060	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
1,4-Dichlorobenzene	590	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
2,2-Dichloropropane	- -	µg/kg	ND(4.5)	ND(2.9)	ND(860)	ND(3.8)	ND(3.4)	ND(3.7)	ND(2.3)	ND(4.3)	ND(3.8)	ND(4.7)	ND(2.9)	ND(370)
2-Butanone	3,900	µg/kg	62	ND(12)	ND(3,400)	19	ND(14)	ND(15)	11	ND(17)	17	ND(19)	23	ND(1,500)
2-Chlorotoluene	16,060	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
2-Hexanone	- -	µg/kg	ND(18)	ND(12)	ND(3,400)	ND(15)	ND(14)	ND(15)	ND(9.2)	ND(17)	ND(15)	ND(19)	ND(12)	ND(1,500)
4-Chlorotoluene	57,200	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(18)	ND(12)	ND(3,400)	ND(15)	ND(14)	ND(15)	ND(9.2)	ND(17)	ND(15)	ND(19)	ND(12)	ND(1,500)
Acetone	500	µg/kg	ND(2,300)	66	ND(8,600)	110	78	38	ND(2,100)	80	110	ND(47)	ND(1,200)	ND(3,700)
Benzene	22	µg/kg	ND(0.91)	0.7	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Bromobenzene	440	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Bromochloromethane	- -	µg/kg	ND(1.8)	ND(1.2)	ND(340)	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	ND(150)
Bromodichloromethane	24.2	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Bromoform	187	µg/kg	ND(4.5)	ND(2.9)	ND(860)	ND(3.8)	ND(3.4)	ND(3.7)	ND(2.3)	ND(4.3)	ND(3.8)	ND(4.7)	ND(2.9)	ND(370)
Bromomethane	191.4	µg/kg	ND(18)	ND(12)	ND(3,400)	ND(15)	ND(14)	ND(15)	ND(9.2)	ND(17)	ND(15)	ND(19)	ND(12)	ND(1,500)
c-1,2-Dichloroethene	132	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
c-1,3-Dichloropropene	- -	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Carbon Disulfide	22,000	µg/kg	ND(9.1)	ND(5.8)	ND(1,700)	ND(7.5)	ND(6.8)	ND(7.4)	ND(4.6)	ND(8.6)	ND(7.5)	ND(9.4)	ND(5.9)	ND(740)
Carbon Tetrachloride	20	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Chlorobenzene	1,500	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Chloroethane	850	µg/kg	ND(1.8)	ND(1.2)	ND(340)	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	ND(150)
Chloroform	4.18	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Chloromethane	39.6	µg/kg	ND(18)	ND(12)	ND(3,400)	ND(15)	ND(14)	ND(15)	ND(9.2)	ND(17)	ND(15)	ND(19)	ND(12)	ND(1,500)
Dibromochloromethane	17.6	µg/kg	ND(1.8)	ND(1.2)	ND(340)	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	ND(150)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S213-0"	S214-0"	S215-0"	S216-0"	S217-0"	S218-0"	S219-0"	S220-0"	S221-0"	S222-0"	S223-0"	S224-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07
Location ID:	CSL	Unit	S213	S214	S215	S216	S217	S218	S219	S220	S221	S222	S223	S224
Dibromomethane	8,140	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Dichlorodifluoromethane	8,580	µg/kg	ND(1.8)	ND(1.2)	ND(340)	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	ND(150)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Ethanol	- -	µg/kg	1,600	ND(290)	ND(86,000)	ND(380)	ND(340)	ND(370)	ND(230)	ND(430)	ND(380)	ND(470)	ND(290)	ND(37,000)
Ethylbenzene	2,300	µg/kg	ND(0.91)	ND(0.58)	760	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Isopropylbenzene	14,960	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Methylene Chloride	77	µg/kg	ND(9.1)	ND(5.8)	ND(1,700)	ND(7.5)	ND(6.8)	ND(7.4)	ND(4.6)	ND(8.6)	ND(7.5)	ND(9.4)	ND(5.9)	ND(740)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(1.8)	ND(1.2)	ND(340)	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	ND(150)
Naphthalene	3.08	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	- -	µg/kg	ND(0.91)	ND(0.58)	2,500	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
n-Propylbenzene	- -	µg/kg	ND(0.91)	ND(0.58)	1,100	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
o-Xylene	30,800	µg/kg	ND(0.91)	ND(0.58)	2,300	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
p/m-Xylene	30,800	µg/kg	ND(1.8)	ND(1.2)	4,700	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	160
p-Isopropyltoluene	- -	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
sec-Butylbenzene	- -	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Styrene	1,500	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
t-1,2-Dichloroethene	220	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
t-1,3-Dichloropropene	- -	µg/kg	ND(1.8)	ND(1.2)	ND(340)	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	ND(150)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(18)	ND(12)	ND(3,400)	ND(15)	ND(14)	ND(15)	ND(9.2)	ND(17)	ND(15)	ND(19)	ND(12)	ND(1,500)
tert-Butylbenzene	- -	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Tetrachloroethene	110	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Toluene	2,900	µg/kg	ND(0.91)	1.3	730	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	130
Trichloroethene	110	µg/kg	ND(1.8)	ND(1.2)	ND(340)	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	ND(150)
Trichlorofluoromethane	3,300	µg/kg	ND(9.1)	ND(5.8)	ND(1,700)	ND(7.5)	ND(6.8)	ND(7.4)	ND(4.6)	ND(8.6)	ND(7.5)	ND(9.4)	ND(5.9)	ND(740)
Vinyl Acetate	9,020	µg/kg	ND(9.1)	ND(5.8)	ND(1,700)	ND(7.5)	ND(6.8)	ND(7.4)	ND(4.6)	ND(8.6)	ND(7.5)	ND(9.4)	ND(5.9)	ND(740)
Vinyl Chloride	11	µg/kg	ND(0.91)	ND(0.58)	ND(170)	ND(0.75)	ND(0.68)	ND(0.74)	ND(0.46)	ND(0.86)	ND(0.75)	ND(0.94)	ND(0.59)	ND(74)
Xylenes, total	2,300	µg/kg	ND(1.8)	ND(1.2)	**7,000**	ND(1.5)	ND(1.4)	ND(1.5)	ND(0.92)	ND(1.7)	ND(1.5)	ND(1.9)	ND(1.2)	160

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S225-0"	S226-0"	S227-0"	S228-0"	S229-0"	S230-0"	S230-12"	S231-0"	S232-0"	S233-0"	S234-0"	S235-0"	S236-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/28/07	11/28/07	11/29/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07
Location ID:	CSL	Unit	S225	S226	S227	S228	S229	S230	S230	S231	S232	S233	S234	S235	S236
1,1,1,2-Tetrachloroethane	11.44	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
1,1,1-Trichloroethane	4,400	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
1,1,2,2-Tetrachloroethane	18	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	ND(1.4)	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	ND(1.9)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	µg/kg	ND(4.7)	ND(4.9)	ND(6.2)	ND(7.4)	ND(6.8)	ND(11)	ND(9.5)	ND(6.7)	ND(6.4)	ND(9.8)	ND(6.8)	ND(11)	ND(9.7)
1,1,2-Trichloroethane	70	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
1,1-Dichloroethane	110	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
1,1-Dichloroethene	132	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
1,1-Dichloropropene	- -	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	ND(1.4)	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	ND(1.9)
1,2,3-Trichlorobenzene	- -	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	9	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	ND(1.9)
1,2,3-Trichloropropane	0.2112	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	ND(1.4)	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	ND(1.9)
1,2,4-Trichlorobenzene	110	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	ND(1.4)	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	ND(1.9)
1,2,4-Trimethylbenzene	330	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	ND(1.4)	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	ND(1.9)
1,2-Dibromo-3-Chloropropane	4.4	µg/kg	ND(2.4)	ND(2.5)	ND(3.1)	ND(3.7)	ND(3.4)	ND(5.4)	ND(4.7)	ND(3.3)	ND(3.2)	ND(4.9)	ND(3.4)	ND(5.4)	ND(4.8)
1,2-Dibromoethane	0.33	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
1,2-Dichlorobenzene	1,100	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
1,2-Dichloroethane	4.5	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
1,2-Dichloropropane	110	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
1,3,5-Trimethylbenzene	264	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	ND(1.4)	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	ND(1.9)
1,3-Dichlorobenzene	7,400	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
1,3-Dichloropropane	16,060	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
1,4-Dichlorobenzene	590	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
2,2-Dichloropropane	- -	µg/kg	ND(2.4)	ND(2.5)	ND(3.1)	ND(3.7)	ND(3.4)	ND(5.4)	ND(4.7)	ND(3.3)	ND(3.2)	ND(4.9)	ND(3.4)	ND(5.4)	ND(4.8)
2-Butanone	3,900	µg/kg	ND(9.5)	ND(9.8)	ND(12)	ND(15)	18	ND(21)	ND(19)	24	ND(13)	ND(20)	ND(14)	ND(21)	33
2-Chlorotoluene	16,060	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
2-Hexanone	- -	µg/kg	ND(9.5)	ND(9.8)	ND(12)	ND(15)	ND(14)	ND(21)	ND(19)	ND(13)	ND(13)	ND(20)	ND(14)	ND(21)	ND(19)
4-Chlorotoluene	57,200	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
4-Methyl-2-Pentanone	2,800	µg/kg	ND(9.5)	ND(9.8)	ND(12)	ND(15)	ND(14)	ND(21)	ND(19)	ND(13)	ND(13)	ND(20)	ND(14)	ND(21)	ND(19)
Acetone	500	µg/kg	ND(24)	29	40	84	76	ND(54)	ND(47)	ND(1,700)	72	110	38	75	ND(4,500)
Benzene	22	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	1.6	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	1.3
Bromobenzene	440	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
Bromochloromethane	- -	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	ND(1.4)	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	ND(1.9)
Bromodichloromethane	24.2	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
Bromoform	187	µg/kg	ND(2.4)	ND(2.5)	ND(3.1)	ND(3.7)	ND(3.4)	ND(5.4)	ND(4.7)	ND(3.3)	ND(3.2)	ND(4.9)	ND(3.4)	ND(5.4)	ND(4.8)
Bromomethane	191.4	µg/kg	ND(9.5)	ND(9.8)	ND(12)	ND(15)	ND(14)	ND(21)	ND(19)	ND(13)	ND(13)	ND(20)	ND(14)	ND(21)	ND(19)
c-1,2-Dichloroethene	132	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
c-1,3-Dichloropropene	- -	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
Carbon Disulfide	22,000	µg/kg	ND(4.7)	ND(4.9)	34	ND(7.4)	ND(6.8)	ND(11)	ND(9.5)	ND(6.7)	ND(6.4)	ND(9.8)	ND(6.8)	14	ND(9.7)
Carbon Tetrachloride	20	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
Chlorobenzene	1,500	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
Chloroethane	850	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	ND(1.4)	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	ND(1.9)
Chloroform	4.18	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
Chloromethane	39.6	µg/kg	ND(9.5)	ND(9.8)	ND(12)	ND(15)	ND(14)	ND(21)	ND(19)	ND(13)	ND(13)	ND(20)	ND(14)	ND(21)	ND(19)
Dibromochloromethane	17.6	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	ND(1.4)	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	ND(1.9)

TABLE 12
VOC CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S225-0"	S226-0"	S227-0"	S228-0"	S229-0"	S230-0"	S230-12"	S231-0"	S232-0"	S233-0"	S234-0"	S235-0"	S236-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/28/07	11/28/07	11/29/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07
Location ID:	CSL	Unit	S225	S226	S227	S228	S229	S230	S230	S231	S232	S233	S234	S235	S236
Dibromomethane	8,140	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
Dichlorodifluoromethane	8,580	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	ND(1.4)	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	ND(1.9)
Diisopropyl Ether (DIPE)	- -	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
Ethanol	- -	µg/kg	ND(240)	ND(250)	ND(310)	ND(370)	ND(340)	ND(540)	ND(470)	ND(330)	ND(320)	ND(490)	ND(340)	ND(540)	ND(480)
Ethylbenzene	2,300	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	4
Ethyl tert-Butyl Ether (ETBE)	- -	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
Isopropylbenzene	14,960	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
Methylene Chloride	77	µg/kg	ND(4.7)	ND(4.9)	ND(6.2)	ND(7.4)	ND(6.8)	ND(11)	ND(9.5)	ND(6.7)	ND(6.4)	ND(9.8)	ND(6.8)	ND(11)	ND(9.7)
Methyl tert-Butyl Ether (MTBE)	23	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	ND(1.4)	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	ND(1.9)
Naphthalene	3.08	µg/kg	NA	NA	ND(6.2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	- -	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
n-Propylbenzene	- -	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
o-Xylene	30,800	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	6.5
p/m-Xylene	30,800	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	ND(1.4)	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	21
p-Isopropyltoluene	- -	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
sec-Butylbenzene	- -	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
Styrene	1,500	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
t-1,2-Dichloroethene	220	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
t-1,3-Dichloropropene	- -	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	ND(1.4)	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	ND(1.9)
Tert-Amyl-Methyl Ether (TAME)	- -	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
Tert-Butyl Alcohol (TBA)	75	µg/kg	ND(9.5)	ND(9.8)	ND(12)	ND(15)	ND(14)	ND(21)	ND(19)	ND(13)	ND(13)	ND(20)	ND(14)	ND(21)	ND(19)
tert-Butylbenzene	- -	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
Tetrachloroethene	110	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
Toluene	2,900	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	1.8	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	2.4
Trichloroethene	110	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	ND(1.4)	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	ND(1.9)
Trichlorofluoromethane	3,300	µg/kg	ND(4.7)	ND(4.9)	ND(6.2)	ND(7.4)	ND(6.8)	ND(11)	ND(9.5)	ND(6.7)	ND(6.4)	ND(9.8)	ND(6.8)	ND(11)	ND(9.7)
Vinyl Acetate	9,020	µg/kg	ND(4.7)	ND(4.9)	ND(6.2)	ND(7.4)	ND(6.8)	ND(11)	ND(9.5)	ND(6.7)	ND(6.4)	ND(9.8)	ND(6.8)	ND(11)	ND(9.7)
Vinyl Chloride	11	µg/kg	ND(0.47)	ND(0.49)	ND(0.62)	ND(0.74)	ND(0.68)	ND(1.1)	ND(0.95)	ND(0.67)	ND(0.64)	ND(0.98)	ND(0.68)	ND(1.1)	ND(0.97)
Xylenes, total	2,300	µg/kg	ND(0.95)	ND(0.98)	ND(1.2)	ND(1.5)	ND(1.4)	ND(2.1)	ND(1.9)	ND(1.3)	ND(1.3)	ND(2)	ND(1.4)	ND(2.1)	27.5

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis of the dilutec

D = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

VOC = volatile organic compound

TABLE 13
PAH DETECTION FREQUENCY IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte	Depth (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
1-Methylnaphthalene	0-1	24	250,000	60	286	21.0
	1-2	27	270,000	36	73	49.3
2-Methylnaphthalene	0-1	22	320,000	67	286	23.4
	1-2	40	360,000	35	73	47.9
Acenaphthene	0-1	43	48,000	34	286	11.9
	1-2	25	26,000	15	73	20.5
Acenaphthylene	0-1	38	6,200	12	286	4.2
	1-2	33	240	6	73	8.2
Anthracene	0-1	26	7,300	36	286	12.6
	1-2	46	4,100	9	73	12.3
Benzo(a)anthracene	0-1	21	11,000	75	286	26.2
	1-2	46	7,200	12	73	16.4
Benzo(a)pyrene	0-1	24	5,100	77	286	26.9
	1-2	70	5,200	11	73	15.1
Benzo(b)fluoran hene	0-1	21	5,900	57	286	19.9
	1-2	60	2,900	7	73	9.6
Benzo(ghi)perylene	0-1	22	4,000	84	286	29.4
	1-2	110	2,400	9	73	12.3
Benzo(k)fluoranthene	0-1	24	5,400	42	286	14.7
	1-2	57	740	4	73	5.5
Chrysene	0-1	23	14,000	143	286	50.0
	1-2	49	20,000	24	73	32.9
Dibenzo(a,h)anthracene	0-1	51	3,500	17	286	5.9
	1-2	450	450	1	73	1.4
Fluoranthene	0-1	22	15,000	80	286	28.0
	1-2	30	4,200	15	73	20.5
Fluorene	0-1	22	52,000	46	286	16.1
	1-2	25	42,000	25	73	34.2
Indeno(1,2,3-cd)pyrene	0-1	24	4,000	37	286	12.9
	1-2	130	430	4	73	5.5
Naphthalene	0-1	21	71,000	48	286	16.8
	1-2	37	86,000	30	73	41.1
Phenanthrene	0-1	22	190,000	97	286	33.9
	1-2	28	110,000	34	73	46.6
Pyrene	0-1	25	26,000	143	286	50.0
	1-2	52	31,000	28	73	38.4

NOTES
bgs = below ground surface
µg/kg = micrograms per kilogram
PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S001-0"	S002-0"	S003ALT-0"	S004-0"	S004-12"	S005-0"	S006-0"	S006-12"	S007-0"	S008-0"	S009-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			12/04/07	12/04/07	12/20/07	01/04/08	01/04/08	12/18/07	12/17/07	12/17/07	12/17/07	12/17/07	12/17/07
Location ID:	CSL	Unit	S001	S002	S003ALT	S004	S004	S005	S006	S006	S007	S008	S009
1-Methylnaphthalene	22,000	µg/kg	ND(45)	ND(210)	ND(110)	240	ND(23)	ND(110)	ND(110)	ND(110)	2,100	ND(110)	ND(100)
2-Methylnaphthalene	250	µg/kg	ND(45)	ND(210)	ND(110)	ND(220)	ND(23)	ND(110)	ND(110)	ND(110)	**4,300**	ND(110)	ND(100)
Acenaphthene	16,000	µg/kg	51	ND(210)	ND(110)	420	ND(23)	ND(110)	ND(110)	ND(110)	ND(110)	ND(110)	ND(100)
Acenaphthylene	13,000	µg/kg	47	ND(210)	ND(110)	380	ND(23)	ND(110)	ND(110)	160	ND(110)	ND(110)	ND(100)
Anthracene	2,800	µg/kg	ND(45)	ND(210)	ND(110)	510	ND(23)	ND(110)	140	ND(110)	290	120	ND(100)
Benzo(a)anthracene	150	µg/kg	ND(45)	ND(210)	ND(110)	**570**	ND(23)	ND(110)	ND(110)	ND(110)	**250**	**440**	110
Benzo(a)pyrene	15	µg/kg	ND(45)	ND(210)	ND(110)	**480**	ND(23)	ND(110)	ND(110)	ND(110)	**200**	**350**	ND(100)
Benzo(b)fluoranthene	150	µg/kg	ND(45)	ND(210)	ND(110)	**470**	ND(23)	ND(110)	ND(110)	ND(110)	120	**390**	110
Benzo(ghi)perylene	27,000	µg/kg	61	ND(210)	140	530	ND(23)	ND(110)	ND(110)	ND(110)	320	240	ND(100)
Benzo(k)fluoranthene	380	µg/kg	ND(45)	ND(210)	ND(110)	**520**	ND(23)	ND(110)	ND(110)	ND(110)	ND(110)	350	ND(100)
Chrysene	15,000	µg/kg	55	ND(210)	ND(110)	610	ND(23)	ND(110)	110	140	650	520	150
Dibenzo(a,h)anthracene	15	µg/kg	ND(45)	ND(210)	ND(110)	**620**	ND(23)	ND(110)	ND(110)	ND(110)	ND(110)	ND(110)	ND(100)
Fluoranthene	40,000	µg/kg	ND(45)	ND(210)	ND(110)	590	ND(23)	ND(110)	ND(110)	ND(110)	110	710	190
Fluorene	8,900	µg/kg	110	ND(210)	ND(110)	510	ND(23)	ND(110)	ND(110)	ND(110)	120	ND(110)	ND(100)
Indeno(1,2,3-cd)pyrene	150	µg/kg	64	**220**	ND(110)	**670**	ND(23)	ND(110)	ND(110)	ND(110)	ND(110)	**210**	ND(100)
Naphthalene	1,300	µg/kg	140	ND(210)	ND(110)	ND(220)	ND(23)	ND(110)	ND(110)	ND(110)	1,100	ND(110)	ND(100)
Phenanthrene	11,000	µg/kg	ND(45)	ND(210)	ND(110)	560	ND(23)	ND(110)	ND(110)	ND(110)	1,800	570	130
Pyrene	85,000	µg/kg	110	ND(210)	ND(110)	560	ND(23)	ND(110)	ND(110)	480	1,600	1,700	440

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentra ion was reported from analysis of the diluted sample.

ID = identification

J = estimated concentration between
the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S009-12"	S010-6"	S011-0"	S011-12"	S012B-0"	S013-0"	S014-0"	S015-0"	S016B-0"	S016B-12"	S017-0"
Depth (feet bgs):			1 - 1.5	0.5 - 1	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5
Date Collected:			12/17/07	01/19/09	12/17/07	12/17/07	12/18/07	01/04/08	12/04/07	12/04/07	01/02/08	01/02/08	12/04/07
Location ID:	CSL	Unit	S009	S010	S011	S011	S012	S013	S014	S015	S016	S016	S017
1-Methylnaphthalene	22,000	µg/kg	ND(110)	ND(220)	ND(120)	**190,000 D**	ND(100)	ND(220)	29	ND(110)	2,700	ND(23)	ND(24)
2-Methylnaphthalene	250	µg/kg	ND(110)	ND(220)	ND(120)	**250,000 D**	ND(100)	ND(220)	45	ND(110)	**3,100**	ND(23)	ND(24)
Acenaphthene	16,000	µg/kg	ND(110)	ND(220)	ND(120)	2,700	ND(100)	ND(220)	ND(26)	ND(110)	290	ND(23)	ND(24)
Acenaphthylene	13,000	µg/kg	ND(110)	ND(220)	ND(120)	ND(2,300)	ND(100)	ND(220)	ND(26)	ND(110)	ND(110)	ND(23)	ND(24)
Anthracene	2,800	µg/kg	ND(110)	ND(220)	ND(120)	ND(2,300)	ND(100)	ND(220)	ND(26)	ND(110)	110	ND(23)	ND(24)
Benzo(a)anthracene	150	µg/kg	ND(110)	ND(220)	ND(120)	ND(2,300)	ND(100)	ND(220)	ND(26)	ND(110)	130	ND(23)	ND(24)
Benzo(a)pyrene	15	µg/kg	ND(110)	ND(220)	ND(120)	ND(2,300)	ND(100)	ND(220)	ND(26)	ND(110)	**240**	ND(23)	ND(24)
Benzo(b)fluoranthene	150	µg/kg	ND(110)	ND(220)	ND(120)	ND(2,300)	ND(100)	ND(220)	ND(26)	ND(110)	ND(110)	ND(23)	ND(24)
Benzo(ghi)perylene	27,000	µg/kg	ND(110)	ND(220)	290	2,400	ND(100)	ND(220)	58	ND(110)	ND(110)	ND(23)	ND(24)
Benzo(k)fluoranthene	380	µg/kg	ND(110)	ND(220)	ND(120)	ND(2,300)	ND(100)	ND(220)	ND(26)	ND(110)	ND(110)	ND(23)	ND(24)
Chrysene	15,000	µg/kg	ND(110)	ND(220)	ND(120)	3,000	ND(100)	300	47	ND(110)	560	ND(23)	39
Dibenzo(a,h)anthracene	15	µg/kg	ND(110)	ND(220)	ND(120)	ND(2,300)	ND(100)	ND(220)	ND(26)	ND(110)	ND(110)	ND(23)	ND(24)
Fluoranthene	40,000	µg/kg	ND(110)	230	ND(120)	3,300	ND(100)	ND(220)	ND(26)	110	130	ND(23)	ND(24)
Fluorene	8,900	µg/kg	ND(110)	ND(220)	ND(120)	5,200	ND(100)	ND(220)	ND(26)	ND(110)	640	ND(23)	ND(24)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(110)	ND(220)	ND(120)	ND(2,300)	ND(100)	ND(220)	60	ND(110)	ND(110)	ND(23)	ND(24)
Naphthalene	1,300	µg/kg	ND(110)	ND(220)	ND(120)	**41,000**	ND(100)	ND(220)	28	ND(110)	**1,700**	ND(23)	ND(24)
Phenanthrene	11,000	µg/kg	ND(110)	ND(220)	ND(120)	8,200	ND(100)	ND(220)	ND(26)	ND(110)	900	ND(23)	ND(24)
Pyrene	85,000	µg/kg	160	310	ND(120)	4,700	ND(100)	430	44	ND(110)	560	ND(23)	33

NOTES:

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ID = identification

J = estimated concentration between
the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S018-0" 0 - 0.5 12/20/07 S018	S019-0" 0 - 0.5 12/18/07 S019	S020-0" 0 - 0.5 12/18/07 S020	S020-12" 1 - 1.5 12/18/07 S020	S021-6" 0.5 - 1 01/19/09 S021	S022-0" 0 - 0.5 12/17/07 S022	S023-0" 0 - 0.5 12/17/07 S023	S024-0" 0 - 0.5 12/17/07 S024	S025-0" 0 - 0.5 12/18/07 S025	S025-12" 1 - 1.5 12/18/07 S025	S026-0" 0 - 0.5 12/18/07 S026
1-Methylnaphthalene	22,000	µg/kg	ND(110)	ND(110)	ND(110)	14,000	ND(220)	ND(110)	ND(110)	ND(23)	1,400	330	ND(120)
2-Methylnaphthalene	250	µg/kg	ND(110)	ND(110)	ND(110)	**18,000**	ND(220)	ND(110)	ND(110)	ND(23)	**1,800**	**390**	ND(120)
Acenaphthene	16,000	µg/kg	ND(110)	ND(110)	ND(110)	ND(1,100)	ND(220)	ND(110)	ND(110)	ND(23)	170	ND(110)	ND(120)
Acenaphthylene	13,000	µg/kg	ND(110)	ND(110)	ND(110)	ND(1,100)	ND(220)	ND(110)	ND(110)	ND(23)	ND(110)	ND(110)	ND(120)
Anthracene	2,800	µg/kg	ND(110)	ND(110)	ND(110)	ND(1,100)	ND(220)	ND(110)	ND(110)	ND(23)	ND(110)	ND(110)	ND(120)
Benzo(a)anthracene	150	µg/kg	ND(110)	ND(110)	ND(110)	ND(1,100)	ND(220)	ND(110)	ND(110)	ND(23)	ND(110)	ND(110)	ND(120)
Benzo(a)pyrene	15	µg/kg	ND(110)	ND(110)	**250**	ND(1,100)	ND(220)	ND(110)	ND(110)	ND(23)	ND(110)	ND(110)	ND(120)
Benzo(b)fluoranthene	150	µg/kg	ND(110)	ND(110)	ND(110)	ND(1,100)	ND(220)	ND(110)	ND(110)	ND(23)	ND(110)	ND(110)	ND(120)
Benzo(ghi)perylene	27,000	µg/kg	ND(110)	ND(110)	ND(110)	ND(1,100)	ND(220)	ND(110)	ND(110)	ND(23)	ND(110)	ND(110)	ND(120)
Benzo(k)fluoranthene	380	µg/kg	ND(110)	ND(110)	ND(110)	ND(1,100)	ND(220)	ND(110)	ND(110)	ND(23)	ND(110)	ND(110)	ND(120)
Chrysene	15,000	µg/kg	ND(110)	ND(110)	360	ND(1,100)	ND(220)	ND(110)	ND(110)	ND(23)	440	ND(110)	ND(120)
D benzo(a,h)anthracene	15	µg/kg	ND(110)	ND(110)	ND(110)	ND(1,100)	ND(220)	ND(110)	ND(110)	ND(23)	ND(110)	ND(110)	ND(120)
Fluoranthene	40,000	µg/kg	ND(110)	ND(110)	ND(110)	ND(1,100)	ND(220)	ND(110)	ND(110)	ND(23)	ND(110)	ND(110)	ND(120)
Fluorene	8,900	µg/kg	ND(110)	ND(110)	ND(110)	1,700	ND(220)	ND(110)	ND(110)	ND(23)	540	ND(110)	ND(120)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(110)	ND(110)	ND(110)	ND(1,100)	ND(220)	ND(110)	ND(110)	ND(23)	ND(110)	ND(110)	ND(120)
Naphthalene	1,300	µg/kg	ND(110)	ND(110)	ND(110)	**4,500**	ND(220)	ND(110)	ND(110)	ND(23)	210	ND(110)	ND(120)
Phenanthrene	11,000	µg/kg	ND(110)	ND(110)	ND(110)	2,900	ND(220)	ND(110)	ND(110)	ND(23)	920	160	ND(120)
Pyrene	85,000	µg/kg	ND(110)	ND(110)	160	ND(1,100)	250	ND(110)	ND(110)	42	490	ND(110)	ND(120)

NOTES:

Detections exceeding CSLs are bolded and shaded.

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ID = identifica ion

J = estimated concentration between
the detec ion and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at repor ing limit shown

PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S026-12"	S027-0"	S028-0"	S029-0"	S029-18"	S030-12"	S031-0"	S032-0"	S033-0"	S034-0"	S035-0"
Depth (feet bgs):			1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1.5 - 2	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			12/18/07	12/20/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07
Location ID:	CSL	Unit	S026	S027	S028	S029	S029	S030	S031	S032	S033	S034	S035
1-Methylnaphthalene	22,000	µg/kg	**30,000**	**33,000**	ND(21)	950	9,600	ND(110)	ND(110)	ND(110)	ND(100)	ND(110)	ND(110)
2-Methylnaphthalene	250	µg/kg	**43,000**	**42,000**	ND(21)	**1,100**	**9,600**	ND(110)	220	ND(110)	ND(100)	ND(110)	ND(110)
Acenaphthene	16,000	µg/kg	ND(1,200)	1,700	ND(21)	170	ND(1,100)	ND(110)	ND(110)	ND(110)	ND(100)	ND(110)	ND(110)
Acenaphthylene	13,000	µg/kg	ND(1,200)	ND(1,100)	ND(21)	ND(110)	ND(1,100)	ND(110)	ND(110)	ND(110)	ND(100)	ND(110)	ND(110)
Anthracene	2,800	µg/kg	ND(1,200)	ND(1,100)	ND(21)	190	ND(1,100)	ND(110)	ND(110)	ND(110)	ND(100)	ND(110)	ND(110)
Benzo(a)anthracene	150	µg/kg	ND(1,200)	ND(1,100)	ND(21)	**210**	ND(1,100)	ND(110)	ND(110)	ND(110)	ND(100)	ND(110)	ND(110)
Benzo(a)pyrene	15	µg/kg	ND(1,200)	ND(1,100)	ND(21)	ND(110)	ND(1,100)	ND(110)	ND(110)	ND(110)	ND(100)	ND(110)	**200**
Benzo(b)fluoranthene	150	µg/kg	ND(1,200)	ND(1,100)	ND(21)	ND(110)	ND(1,100)	ND(110)	ND(110)	ND(110)	ND(100)	ND(110)	ND(110)
Benzo(ghi)perylene	27,000	µg/kg	ND(1,200)	ND(1,100)	ND(21)	ND(110)	ND(1,100)	ND(110)	ND(110)	140	110	ND(110)	170
Benzo(k)fluoranthene	380	µg/kg	ND(1,200)	ND(1,100)	ND(21)	340	ND(1,100)	ND(110)	ND(110)	ND(110)	ND(100)	ND(110)	ND(110)
Chrysene	15,000	µg/kg	ND(1,200)	ND(1,100)	40	990	ND(1,100)	150	130	ND(110)	ND(100)	140	220
Dibenzo(a,h)anthracene	15	µg/kg	ND(1,200)	ND(1,100)	ND(21)	ND(110)	ND(1,100)	ND(110)	ND(110)	ND(110)	ND(100)	ND(110)	ND(110)
Fluoranthene	40,000	µg/kg	ND(1,200)	ND(1,100)	ND(21)	130	ND(1,100)	ND(110)	ND(110)	ND(110)	ND(100)	ND(110)	ND(110)
Fluorene	8,900	µg/kg	3,800	4,500	ND(21)	240	1,900	ND(110)	ND(110)	ND(110)	ND(100)	ND(110)	ND(110)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(1,200)	ND(1,100)	ND(21)	ND(110)	ND(1,100)	ND(110)	ND(110)	ND(110)	ND(100)	ND(110)	ND(110)
Naphthalene	1,300	µg/kg	**2,000**	**14,000**	ND(21)	450	**4,700**	ND(110)	ND(110)	ND(110)	ND(100)	ND(110)	ND(110)
Phenanthrene	11,000	µg/kg	5,800	3,500	ND(21)	1,400	1,400	ND(110)	ND(110)	ND(110)	ND(100)	ND(110)	ND(110)
Pyrene	85,000	µg/kg	1,700	2,500	ND(21)	2,100	ND(1,100)	120	120	ND(110)	ND(100)	210	ND(110)

NOTES:

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the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S036-0"	S037-0"	S037-20"	S038-0"	S039-0"	S039-12"	S040-0"	S040-12"	S041-0"	S042-0"	S042-12"
Depth (feet bgs):			0 - 0.5	0 - 0.5	1.67 - 2.167	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	1 - 1.5
Date Collected:			12/04/07	12/04/07	12/04/07	12/20/07	01/02/08	01/02/08	12/20/07	12/20/07	01/30/08	01/30/08	01/30/08
Location ID:	CSL	Unit	S036	S037	S037	S038	S039	S039	S040	S040	S041	S042	S042
1-Methylnaphthalene	22,000	µg/kg	ND(230)	420	10,000	220	180	**110,000**	ND(120)	ND(120)	ND(250)	**76,000**	**240,000**
2-Methylnaphthalene	250	µg/kg	ND(230)	**430**	**15,000**	**330**	130	**160,000**	ND(120)	ND(120)	ND(250)	**72,000**	**360,000**
Acenaphthene	16,000	µg/kg	ND(230)	ND(320)	ND(510)	ND(120)	ND(110)	ND(11,000)	ND(120)	ND(120)	ND(250)	14,000	ND(26,000)
Acenaphthylene	13,000	µg/kg	ND(230)	ND(320)	ND(510)	ND(120)	ND(110)	ND(11,000)	ND(120)	ND(120)	ND(250)	6,200	ND(26,000)
Anthracene	2,800	µg/kg	370	390	ND(510)	ND(120)	ND(110)	ND(11,000)	ND(120)	ND(120)	ND(250)	**7,300**	ND(26,000)
Benzo(a)anthracene	150	µg/kg	ND(230)	ND(320)	ND(510)	ND(120)	ND(110)	ND(11,000)	ND(120)	ND(120)	ND(250)	**7,400**	ND(26,000)
Benzo(a)pyrene	15	µg/kg	ND(230)	ND(320)	ND(510)	ND(120)	ND(110)	ND(11,000)	ND(120)	ND(120)	ND(250)	**5,100**	ND(26,000)
Benzo(b)fluoranthene	150	µg/kg	ND(230)	ND(320)	ND(510)	ND(120)	ND(110)	ND(11,000)	ND(120)	ND(120)	ND(250)	**5,900**	ND(26,000)
Benzo(ghi)perylene	27,000	µg/kg	ND(230)	320	ND(510)	ND(120)	ND(110)	ND(11,000)	ND(120)	ND(120)	ND(250)	3,000	ND(26,000)
Benzo(k)fluoranthene	380	µg/kg	ND(230)	350	ND(510)	ND(120)	ND(110)	ND(11,000)	ND(120)	ND(120)	ND(250)	**5,400**	ND(26,000)
Chrysene	15,000	µg/kg	700	480	ND(510)	140	ND(110)	ND(11,000)	ND(120)	ND(120)	ND(250)	7,500	ND(26,000)
Dibenzo(a,h)anthracene	15	µg/kg	ND(230)	ND(320)	ND(510)	ND(120)	ND(110)	ND(11,000)	ND(120)	ND(120)	ND(250)	**3,500**	ND(26,000)
Fluoranthene	40,000	µg/kg	ND(230)	ND(320)	ND(510)	ND(120)	ND(110)	ND(11,000)	ND(120)	ND(120)	ND(250)	6,500	ND(26,000)
Fluorene	8,900	µg/kg	ND(230)	ND(320)	960	ND(120)	ND(110)	ND(11,000)	ND(120)	ND(120)	ND(250)	**22,000**	**39,000**
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(230)	**330**	ND(510)	ND(120)	ND(110)	ND(11,000)	ND(120)	ND(120)	ND(250)	**3,200**	ND(26,000)
Naphthalene	1,300	µg/kg	ND(230)	490	**12,000**	ND(120)	ND(110)	**30,000**	ND(120)	ND(120)	ND(250)	**24,000**	**86,000**
Phenanthrene	11,000	µg/kg	ND(230)	ND(320)	1,900	140	ND(110)	ND(11,000)	ND(120)	ND(120)	ND(250)	9,500	**59,000**
Pyrene	85,000	µg/kg	470	1,300	ND(510)	ND(120)	ND(110)	ND(11,000)	ND(120)	ND(120)	ND(250)	10,000	ND(26,000)

NOTES:

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TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S043-0"	S044-0"	S045-0"	S046-0"	S047-6"	S048-0"	S049-6"	S050-0"	S051-0"	S052-0"	S052-12"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5
Date Collected:			01/30/08	12/20/07	12/20/07	12/20/07	01/20/09	01/07/08	01/20/09	12/04/07	12/20/07	12/20/07	12/20/07
Location ID:	CSL	Unit	S043	S044	S045	S046	S047	S048	S049	S050	S051	S052	S052
1-Methylnaphthalene	22,000	µg/kg	420	140	ND(120)	1,100	**170,000 D**	1,600	ND(240)	ND(45)	120	ND(120)	2,400
2-Methylnaphthalene	250	µg/kg	**570**	**270**	ND(120)	**1,200**	**220,000 D**	ND(230)	ND(240)	ND(45)	150	ND(120)	**1,700**
Acenaphthene	16,000	µg/kg	ND(240)	ND(140)	ND(120)	350	ND(2,300)	2,300	ND(240)	ND(45)	ND(110)	ND(120)	270
Acenaphthylene	13,000	µg/kg	ND(240)	ND(140)	ND(120)	190	ND(2,300)	ND(230)	ND(240)	ND(45)	ND(110)	ND(120)	120
Anthracene	2,800	µg/kg	ND(240)	ND(140)	ND(120)	ND(110)	ND(2,300)	ND(230)	ND(240)	ND(45)	ND(110)	ND(120)	ND(120)
Benzo(a)anthracene	150	µg/kg	ND(240)	ND(140)	ND(120)	ND(110)	ND(2,300)	**2,300**	ND(240)	ND(45)	ND(110)	ND(120)	**160**
Benzo(a)pyrene	15	µg/kg	ND(240)	ND(140)	ND(120)	ND(110)	ND(2,300)	**880**	**380**	ND(45)	ND(110)	ND(120)	ND(120)
Benzo(b)fluoranthene	150	µg/kg	ND(240)	ND(140)	ND(120)	ND(110)	ND(2,300)	**670**	ND(240)	ND(45)	ND(110)	ND(120)	ND(120)
Benzo(ghi)perylene	27,000	µg/kg	ND(240)	200	ND(120)	ND(110)	ND(2,300)	ND(230)	360	51	ND(110)	ND(120)	ND(120)
Benzo(k)fluoranthene	380	µg/kg	ND(240)	ND(140)	ND(120)	ND(110)	ND(2,300)	ND(230)	ND(240)	ND(45)	ND(110)	ND(120)	ND(120)
Chrysene	15,000	µg/kg	ND(240)	190	ND(120)	370	ND(2,300)	5,900	330	74	ND(110)	ND(120)	430
Dibenzo(a,h)anthracene	15	µg/kg	ND(240)	ND(140)	ND(120)	ND(110)	ND(2,300)	ND(230)	ND(240)	ND(45)	ND(110)	ND(120)	ND(120)
Fluoranthene	40,000	µg/kg	ND(240)	ND(140)	ND(120)	ND(110)	ND(2,300)	1,400	ND(240)	ND(45)	ND(110)	ND(120)	130
Fluorene	8,900	µg/kg	ND(240)	ND(140)	ND(120)	470	3,200	1,500	ND(240)	ND(45)	ND(110)	ND(120)	710
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(240)	ND(140)	ND(120)	ND(110)	ND(2,300)	ND(230)	ND(240)	ND(45)	ND(110)	ND(120)	ND(120)
Naphthalene	1,300	µg/kg	ND(240)	ND(140)	ND(120)	310	**71,000**	260	ND(240)	ND(45)	ND(110)	ND(120)	650
Phenanthrene	11,000	µg/kg	ND(240)	200	ND(120)	940	ND(2,300)	1,400	ND(240)	ND(45)	120	ND(120)	580
Pyrene	85,000	µg/kg	ND(240)	190	ND(120)	440	ND(2,300)	8,900	ND(240)	ND(45)	ND(110)	ND(120)	540

NOTES:

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PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S053-0"	S053-12"	S054-0"	S055-0"	S055-12"	S056-0"	S056-12"	S057-0"	S058-0"	S059-0"	S059-12"
Depth (feet bgs):			0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5
Date Collected:			12/20/07	12/20/07	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	02/01/08	02/01/08	02/01/08
Location ID:	CSL	Unit	S053	S053	S054	S055	S055	S056	S056	S057	S058	S059	S059
1-Methylnaphthalene	22,000	µg/kg	ND(110)	1,400	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	ND(220)	ND(1,200)	ND(240)
2-Methylnaphthalene	250	µg/kg	230	**1,700**	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	ND(220)	ND(1,200)	ND(240)
Acenaphthene	16,000	µg/kg	ND(110)	490	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	ND(220)	ND(1,200)	250
Acenaphthylene	13,000	µg/kg	ND(110)	220	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	ND(220)	ND(1,200)	ND(240)
Anthracene	2,800	µg/kg	ND(110)	140	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	ND(220)	ND(1,200)	260
Benzo(a)anthracene	150	µg/kg	ND(110)	120	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	**390**	ND(1,200)	**260**
Benzo(a)pyrene	15	µg/kg	**1,200**	ND(110)	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	ND(220)	ND(1,200)	ND(240)
Benzo(b)fluoranthene	150	µg/kg	**300**	ND(110)	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	ND(220)	ND(1,200)	ND(240)
Benzo(ghi)perylene	27,000	µg/kg	410	ND(110)	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	360	1,300	730
Benzo(k)fluoranthene	380	µg/kg	ND(110)	ND(110)	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	ND(220)	ND(1,200)	310
Chrysene	15,000	µg/kg	1,100	130	240	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	790	ND(1,200)	ND(240)
D benzo(a,h)anthracene	15	µg/kg	ND(110)	ND(110)	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	**380**	ND(1,200)	**450**
Fluoranthene	40,000	µg/kg	460	210	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	ND(220)	ND(1,200)	340
Fluorene	8,900	µg/kg	ND(110)	710	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	ND(220)	ND(1,200)	ND(240)
Indeno(1,2,3-cd)pyrene	150	µg/kg	120	ND(110)	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	**400**	ND(1,200)	ND(240)
Naphthalene	1,300	µg/kg	ND(110)	790	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	ND(220)	ND(1,200)	ND(240)
Phenanthrene	11,000	µg/kg	170	510	ND(240)	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	ND(220)	ND(1,200)	350
Pyrene	85,000	µg/kg	1,500	530	370	ND(240)	ND(240)	ND(220)	ND(210)	ND(240)	440	ND(1,200)	ND(240)

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TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S060-0" 0 - 0.5 12/13/07 S060	S060-18" 1.5 - 2 12/13/07 S060	S061-0" 0 - 0.5 12/13/07 S061	S063-0" 0 - 0.5 12/14/07 S063	S064-0" 0 - 0.5 12/14/07 S064	S064-18" 1.5 - 2 12/14/07 S064	S065-0" 0 - 0.5 02/01/08 S065	S065-12" 1 - 1.5 02/01/08 S065	S066-0" 0 - 0.5 12/14/07 S066	S067-0" 0 - 0.5 12/14/07 S067	S068-0" 0 - 0.5 12/13/07 S068
1-Methylnaphthalene	22,000	µg/kg	ND(120)	4,000	ND(110)	ND(110)	ND(110)	ND(22)	ND(220)	ND(23)	ND(110)	ND(110)	ND(120)
2-Methylnaphthalene	250	µg/kg	ND(120)	**5,500**	ND(110)	ND(110)	ND(110)	ND(22)	ND(220)	ND(23)	ND(110)	ND(110)	ND(120)
Acenaphthene	16,000	µg/kg	ND(120)	290	ND(110)	ND(110)	ND(110)	ND(22)	250	ND(23)	ND(110)	ND(110)	ND(120)
Acenaphthylene	13,000	µg/kg	ND(120)	ND(110)	ND(110)	ND(110)	ND(110)	ND(22)	ND(220)	ND(23)	ND(110)	ND(110)	ND(120)
Anthracene	2,800	µg/kg	ND(120)	120	ND(110)	ND(110)	ND(110)	ND(22)	ND(220)	ND(23)	ND(110)	ND(110)	ND(120)
Benzo(a)anthracene	150	µg/kg	130	120	ND(110)	ND(110)	ND(110)	ND(22)	**280**	ND(23)	ND(110)	ND(110)	ND(120)
Benzo(a)pyrene	15	µg/kg	ND(120)	**110**	ND(110)	ND(110)	ND(110)	ND(22)	ND(220)	ND(23)	ND(110)	ND(110)	ND(120)
Benzo(b)fluoranthene	150	µg/kg	ND(120)	ND(110)	ND(110)	ND(110)	ND(110)	ND(22)	ND(220)	ND(23)	ND(110)	ND(110)	ND(120)
Benzo(ghi)perylene	27,000	µg/kg	ND(120)	ND(110)	ND(110)	ND(110)	ND(110)	ND(22)	390	ND(23)	ND(110)	ND(110)	ND(120)
Benzo(k)fluoranthene	380	µg/kg	ND(120)	ND(110)	ND(110)	ND(110)	ND(110)	ND(22)	ND(220)	ND(23)	ND(110)	ND(110)	ND(120)
Chrysene	15,000	µg/kg	160	460	ND(110)	ND(110)	ND(110)	ND(22)	280	ND(23)	ND(110)	ND(110)	ND(120)
Dibenzo(a,h)anthracene	15	µg/kg	ND(120)	ND(110)	ND(110)	ND(110)	ND(110)	ND(22)	**270**	ND(23)	ND(110)	ND(110)	ND(120)
Fluoranthene	40,000	µg/kg	ND(120)	130	ND(110)	ND(110)	ND(110)	ND(22)	250	ND(23)	ND(110)	ND(110)	ND(120)
Fluorene	8,900	µg/kg	ND(120)	1,700	ND(110)	ND(110)	ND(110)	ND(22)	240	ND(23)	ND(110)	ND(110)	ND(120)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(120)	ND(110)	ND(110)	ND(110)	ND(110)	ND(22)	**320**	ND(23)	ND(110)	ND(110)	ND(120)
Naphthalene	1,300	µg/kg	ND(120)	**1,600**	ND(110)	ND(110)	ND(110)	ND(22)	ND(220)	ND(23)	ND(110)	ND(110)	ND(120)
Phenanthrene	11,000	µg/kg	ND(120)	2,100	ND(110)	ND(110)	120	ND(22)	230	ND(23)	ND(110)	ND(110)	ND(120)
Pyrene	85,000	µg/kg	240	500	ND(110)	ND(110)	130	ND(22)	230	ND(23)	ND(110)	ND(110)	ND(120)

NOTES:

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TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S069-0"	S070-0"	S071B-12"	S072-0"	S073-0"	S074-0"	S075-0"	S076-6"	S078-0"	S078-12"	S079-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	1 - 1.5	0 - 0.5
Date Collected:			12/13/07	12/13/07	12/21/07	12/04/07	12/04/07	12/04/07	12/04/07	01/22/09	02/01/08	02/01/08	02/01/08
Location ID:	CSL	Unit	S069	S070	S071B	S072	S073	S074	S075	S076	S078	S078	S079
1-Methylnaphthalene	22,000	µg/kg	ND(110)	ND(110)	85	ND(22)	ND(110)	ND(22)	ND(1,100)	2,000	740	ND(24)	ND(23)
2-Methylnaphthalene	250	µg/kg	ND(110)	ND(110)	100	ND(22)	ND(110)	ND(22)	ND(1,100)	**1,900**	**660**	40	ND(23)
Acenaphthene	16,000	µg/kg	ND(110)	ND(110)	ND(23)	ND(22)	ND(110)	ND(22)	ND(1,100)	540	ND(220)	ND(24)	ND(23)
Acenaphthylene	13,000	µg/kg	ND(110)	ND(110)	ND(23)	ND(22)	ND(110)	ND(22)	ND(1,100)	ND(220)	ND(220)	ND(24)	ND(23)
Anthracene	2,800	µg/kg	ND(110)	ND(110)	ND(23)	ND(22)	ND(110)	ND(22)	2,500	1,800	ND(220)	ND(24)	ND(23)
Benzo(a)anthracene	150	µg/kg	ND(110)	ND(110)	ND(23)	ND(22)	**530**	ND(22)	**5,900**	ND(220)	ND(220)	ND(24)	ND(23)
Benzo(a)pyrene	15	µg/kg	ND(110)	ND(110)	ND(23)	ND(22)	**440**	**24**	**4,400**	ND(220)	ND(220)	ND(24)	ND(23)
Benzo(b)fluoranthene	150	µg/kg	ND(110)	ND(110)	ND(23)	ND(22)	**360**	32	**3,100**	ND(220)	ND(220)	ND(24)	ND(23)
Benzo(ghi)perylene	27,000	µg/kg	ND(110)	ND(110)	ND(23)	ND(22)	190	73	4,000	ND(220)	ND(220)	ND(24)	ND(23)
Benzo(k)fluoranthene	380	µg/kg	ND(110)	ND(110)	ND(23)	ND(22)	**470**	24	**4,100**	ND(220)	ND(220)	ND(24)	ND(23)
Chrysene	15,000	µg/kg	ND(110)	ND(110)	ND(23)	ND(22)	620	36	6,700	290	ND(220)	ND(24)	ND(23)
Dibenzo(a,h)anthracene	15	µg/kg	ND(110)	ND(110)	ND(23)	ND(22)	ND(110)	ND(22)	ND(1,100)	ND(220)	ND(220)	ND(24)	ND(23)
Fluoranthene	40,000	µg/kg	ND(110)	ND(110)	ND(23)	ND(22)	1,000	ND(22)	15,000	ND(220)	ND(220)	ND(24)	ND(23)
Fluorene	8,900	µg/kg	ND(110)	ND(110)	27	ND(22)	ND(110)	ND(22)	ND(1,100)	1,600	290	ND(24)	ND(23)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(110)	ND(110)	ND(23)	ND(22)	**220**	ND(22)	**4,000**	ND(220)	ND(220)	ND(24)	ND(23)
Naphthalene	1,300	µg/kg	ND(110)	ND(110)	37	ND(22)	ND(110)	ND(22)	ND(1,100)	360	390	52	ND(23)
Phenanthrene	11,000	µg/kg	ND(110)	ND(110)	31	ND(22)	330	ND(22)	**12,000**	2,100	ND(220)	ND(24)	ND(23)
Pyrene	85,000	µg/kg	ND(110)	ND(110)	ND(23)	25	950	34	13,000	540	ND(220)	ND(24)	ND(23)

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TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S080-0"	S081-0"	S082-0"	S083-0"	S083-15"	S084-0"	S085-0"	S086-6"	S087-0"	S088-0"	S089-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1.25 - 1.75	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			02/01/08	02/01/08	12/13/07	12/13/07	12/13/07	12/04/07	12/04/07	01/20/09	12/13/07	01/02/08	01/02/08
Location ID:	CSL	Unit	S080	S081	S082	S083	S083	S084	S085	S086	S087	S088	S089
1-Methylnaphthalene	22,000	µg/kg	ND(220)	ND(240)	ND(120)	880	280	ND(22)	ND(120)	ND(310)	ND(110)	ND(110)	ND(21)
2-Methylnaphthalene	250	µg/kg	ND(220)	ND(240)	ND(120)	**750**	**260**	ND(22)	ND(120)	**540**	ND(110)	ND(110)	ND(21)
Acenaphthene	16,000	µg/kg	ND(220)	ND(240)	ND(120)	510	ND(110)	ND(22)	ND(120)	ND(310)	ND(110)	ND(110)	ND(21)
Acenaphthylene	13,000	µg/kg	ND(220)	ND(240)	ND(120)	ND(110)	ND(110)	ND(22)	ND(120)	ND(310)	ND(110)	ND(110)	ND(21)
Anthracene	2,800	µg/kg	ND(220)	ND(240)	ND(120)	550	ND(110)	ND(22)	ND(120)	ND(310)	ND(110)	ND(110)	ND(21)
Benzo(a)anthracene	150	µg/kg	ND(220)	ND(240)	ND(120)	**760**	ND(110)	ND(22)	ND(120)	ND(310)	ND(110)	ND(110)	ND(21)
Benzo(a)pyrene	15	µg/kg	ND(220)	ND(240)	**150**	**540**	ND(110)	**28**	ND(120)	ND(310)	ND(110)	ND(110)	ND(21)
Benzo(b)fluoranthene	150	µg/kg	ND(220)	ND(240)	ND(120)	**370**	ND(110)	40	ND(120)	ND(310)	ND(110)	ND(110)	ND(21)
Benzo(ghi)perylene	27,000	µg/kg	ND(220)	ND(240)	ND(120)	200	ND(110)	51	ND(120)	400	120	ND(110)	ND(21)
Benzo(k)fluoranthene	380	µg/kg	ND(220)	ND(240)	ND(120)	370	ND(110)	28	ND(120)	ND(310)	ND(110)	ND(110)	ND(21)
Chrysene	15,000	µg/kg	ND(220)	ND(240)	140	860	ND(110)	63	ND(120)	ND(310)	ND(110)	380	ND(21)
Dibenzo(a,h)anthracene	15	µg/kg	ND(220)	ND(240)	ND(120)	ND(110)	ND(110)	ND(22)	ND(120)	ND(310)	ND(110)	ND(110)	ND(21)
Fluoranthene	40,000	µg/kg	310	ND(240)	ND(120)	1,000	ND(110)	ND(22)	160	ND(310)	ND(110)	ND(110)	ND(21)
Fluorene	8,900	µg/kg	ND(220)	ND(240)	ND(120)	1,300	ND(110)	ND(22)	ND(120)	ND(310)	ND(110)	ND(110)	ND(21)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(220)	ND(240)	ND(120)	**170**	ND(110)	ND(22)	ND(120)	ND(310)	ND(110)	ND(110)	ND(21)
Naphthalene	1,300	µg/kg	ND(220)	ND(240)	ND(120)	ND(110)	ND(110)	ND(22)	ND(120)	ND(310)	ND(110)	ND(110)	ND(21)
Phenanthrene	11,000	µg/kg	ND(220)	ND(240)	ND(120)	2,800	ND(110)	ND(22)	ND(120)	ND(310)	ND(110)	280	ND(21)
Pyrene	85,000	µg/kg	ND(220)	ND(240)	ND(120)	3,800	ND(110)	45	120	ND(310)	ND(110)	330	ND(21)

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ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S090-0" 0 - 0.5 12/13/07 S090	S090-18" 1.5 - 2 12/13/07 S090	S091-0" 0 - 0.5 02/01/08 S091	S092-0" 0 - 0.5 12/13/07 S092	S093-0" 0 - 0.5 12/04/07 S093	S094-0" 0 - 0.5 12/04/07 S094	S095-0" 0 - 0.5 12/04/07 S095	S096-0" 0 - 0.5 12/04/07 S096	S097-6" 0.5 - 1 01/20/09 S097	S098-0" 0 - 0.5 12/04/07 S098	S099-0" 0 - 0.5 12/13/07 S099
1-Methylnaphthalene	22,000	µg/kg	500	410	14,000	ND(110)	ND(100)	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
2-Methylnaphthalene	250	µg/kg	**530**	**400**	**15,000**	ND(110)	ND(100)	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
Acenaphthene	16,000	µg/kg	ND(110)	170	4,500	ND(110)	ND(100)	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
Acenaphthylene	13,000	µg/kg	ND(110)	ND(110)	1,400	ND(110)	ND(100)	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
Anthracene	2,800	µg/kg	ND(110)	ND(110)	ND(1,100)	ND(110)	ND(100)	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
Benzo(a)anthracene	150	µg/kg	ND(110)	ND(110)	**2,000**	ND(110)	150	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
Benzo(a)pyrene	15	µg/kg	**260**	ND(110)	**2,200**	ND(110)	**120**	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
Benzo(b)fluoranthene	150	µg/kg	130	ND(110)	**1,700**	ND(110)	ND(100)	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
Benzo(ghi)perylene	27,000	µg/kg	ND(110)	ND(110)	ND(1,100)	ND(110)	ND(100)	35	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
Benzo(k)fluoranthene	380	µg/kg	ND(110)	ND(110)	ND(1,100)	ND(110)	110	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
Chrysene	15,000	µg/kg	490	170	5,300	ND(110)	210	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
D benzo(a,h)anthracene	15	µg/kg	ND(110)	ND(110)	ND(1,100)	ND(110)	ND(100)	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
Fluoranthene	40,000	µg/kg	ND(110)	ND(110)	1,400	ND(110)	300	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
Fluorene	8,900	µg/kg	280	ND(110)	5,100	ND(110)	ND(100)	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(110)	ND(110)	ND(1,100)	ND(110)	ND(100)	38	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
Naphthalene	1,300	µg/kg	210	ND(110)	**4,600**	ND(110)	ND(100)	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
Phenanthrene	11,000	µg/kg	430	ND(110)	7,200	ND(110)	200	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)
Pyrene	85,000	µg/kg	570	660	3,400	220	310	ND(22)	ND(22)	ND(22)	ND(21)	ND(21)	ND(110)

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentration was reported from analysis o

ID = identifica ion

J = estimated concentration between
the detec ion and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at repor ing limit shown

PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S100-0"	S101-0"	S102-0"	S102-15"	S103-0"	S103-12"	S104-0"	S105-0"	S106-6"	S106-12"	S107-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	1.25 - 1.75	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0.5 - 1	1 - 1.5	0 - 0.5
Date Collected:			12/13/07	12/13/07	12/13/07	12/13/07	01/03/08	01/03/08	01/29/08	01/31/08	01/22/09	01/22/09	12/20/07
Location ID:	CSL	Unit	S100	S101	S102	S102	S103	S103	S104	S105	S106	S106	S107
1-Methylnaphthalene	22,000	µg/kg	110	ND(110)	ND(110)	ND(110)	ND(110)	ND(120)	ND(24)	4,700	ND(23)	ND(23)	31
2-Methylnaphthalene	250	µg/kg	180	ND(110)	ND(110)	ND(110)	ND(110)	ND(120)	ND(24)	**5,900**	ND(23)	ND(23)	37
Acenaphthene	16,000	µg/kg	ND(110)	ND(110)	ND(110)	ND(110)	ND(110)	ND(120)	ND(24)	1,200	ND(23)	ND(23)	ND(22)
Acenaphthylene	13,000	µg/kg	ND(110)	ND(110)	ND(110)	ND(110)	ND(110)	ND(120)	ND(24)	ND(240)	ND(23)	ND(23)	ND(22)
Anthracene	2,800	µg/kg	ND(110)	ND(110)	140	ND(110)	ND(110)	ND(120)	ND(24)	630	ND(23)	ND(23)	ND(22)
Benzo(a)anthracene	150	µg/kg	ND(110)	**200**	ND(110)	ND(110)	ND(110)	ND(120)	ND(24)	**1,100**	ND(23)	ND(23)	ND(22)
Benzo(a)pyrene	15	µg/kg	ND(110)	**160**	ND(110)	ND(110)	ND(110)	ND(120)	ND(24)	**740**	ND(23)	ND(23)	ND(22)
Benzo(b)fluoranthene	150	µg/kg	ND(110)	**210**	ND(110)	ND(110)	ND(110)	ND(120)	ND(24)	ND(240)	ND(23)	ND(23)	ND(22)
Benzo(ghi)perylene	27,000	µg/kg	ND(110)	ND(110)	230	110	ND(110)	ND(120)	ND(24)	300	ND(23)	ND(23)	ND(22)
Benzo(k)fluoranthene	380	µg/kg	ND(110)	170	ND(110)	ND(110)	ND(110)	ND(120)	ND(24)	**1,000**	ND(23)	ND(23)	ND(22)
Chrysene	15,000	µg/kg	ND(110)	320	ND(110)	ND(110)	360	ND(120)	ND(24)	5,200	ND(23)	ND(23)	ND(22)
Dibenzo(a,h)anthracene	15	µg/kg	ND(110)	ND(110)	ND(110)	ND(110)	ND(110)	ND(120)	ND(24)	ND(240)	ND(23)	ND(23)	ND(22)
Fluoranthene	40,000	µg/kg	ND(110)	500	ND(110)	ND(110)	ND(110)	ND(120)	ND(24)	700	ND(23)	ND(23)	ND(22)
Fluorene	8,900	µg/kg	ND(110)	ND(110)	ND(110)	ND(110)	ND(110)	ND(120)	ND(24)	2,000	ND(23)	ND(23)	ND(22)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(110)	ND(110)	ND(110)	ND(110)	ND(110)	ND(120)	ND(24)	ND(240)	ND(23)	ND(23)	ND(22)
Naphthalene	1,300	µg/kg	ND(110)	ND(110)	ND(110)	ND(110)	ND(110)	ND(120)	ND(24)	570	ND(23)	ND(23)	ND(22)
Phenanthrene	11,000	µg/kg	ND(110)	370	ND(110)	ND(110)	340	ND(120)	ND(24)	7,000	ND(23)	ND(23)	ND(22)
Pyrene	85,000	µg/kg	ND(110)	540	ND(110)	ND(110)	390	ND(120)	ND(24)	3,600	ND(23)	ND(23)	ND(22)

NOTES:

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TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S108-0"	S109-0"	S109-12"	S110-6"	S111-0"	S111-12"	S112-6"	S113-0"	S113-12"	S114-0"	S115-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	1 - 1.5	0.5 - 1	0 - 0.5	1 - 1.5	0.5 - 1	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
Date Collected:			12/20/07	01/31/08	01/31/08	01/22/09	12/21/07	12/21/07	01/22/09	01/31/08	01/31/08	01/29/08	01/29/08
Location ID:	CSL	Unit	S108	S109	S109	S110	S111	S111	S112	S113	S113	S114	S115
1-Methylnaphthalene	22,000	µg/kg	ND(120)	9,700	10,000	ND(210)	ND(110)	19,000	7,200	8,200	**32,000 D**	ND(220)	ND(240)
2-Methylnaphthalene	250	µg/kg	ND(120)	**18,000 D**	**28,000 D**	ND(210)	ND(110)	**36,000**	**6,600**	**5,700**	**36,000 D**	ND(220)	ND(240)
Acenaphthene	16,000	µg/kg	ND(120)	ND(210)	2,200	ND(210)	ND(110)	ND(1,100)	ND(2,300)	1,300	2,500	ND(220)	ND(240)
Acenaphthylene	13,000	µg/kg	ND(120)	ND(210)	ND(230)	ND(210)	ND(110)	ND(1,100)	ND(2,300)	280	ND(230)	ND(220)	ND(240)
Anthracene	2,800	µg/kg	ND(120)	ND(210)	600	ND(210)	ND(110)	ND(1,100)	**3,200**	ND(220)	**4,100**	ND(220)	ND(240)
Benzo(a)anthracene	150	µg/kg	ND(120)	ND(210)	ND(230)	ND(210)	ND(110)	ND(1,100)	**11,000**	**350**	**520**	ND(220)	ND(240)
Benzo(a)pyrene	15	µg/kg	ND(120)	ND(210)	ND(230)	ND(210)	ND(110)	ND(1,100)	**4,700**	ND(220)	**270**	ND(220)	ND(240)
Benzo(b)fluoranthene	150	µg/kg	ND(120)	ND(210)	ND(230)	ND(210)	ND(110)	ND(1,100)	ND(2,300)	ND(220)	ND(230)	ND(220)	ND(240)
Benzo(ghi)perylene	27,000	µg/kg	180	220	ND(230)	ND(210)	ND(110)	ND(1,100)	ND(2,300)	ND(220)	ND(230)	ND(220)	ND(240)
Benzo(k)fluoranthene	380	µg/kg	ND(120)	ND(210)	ND(230)	ND(210)	ND(110)	ND(1,100)	ND(2,300)	ND(220)	ND(230)	ND(220)	ND(240)
Chrysene	15,000	µg/kg	ND(120)	1,400	ND(230)	ND(210)	ND(110)	ND(1,100)	14,000	470	880	ND(220)	ND(240)
Dibenzo(a,h)anthracene	15	µg/kg	ND(120)	ND(210)	ND(230)	ND(210)	ND(110)	ND(1,100)	ND(2,300)	ND(220)	ND(230)	ND(220)	ND(240)
Fluoranthene	40,000	µg/kg	ND(120)	ND(210)	ND(230)	ND(210)	ND(110)	ND(1,100)	3,000	ND(220)	250	ND(220)	ND(240)
Fluorene	8,900	µg/kg	ND(120)	4,300	2,800	ND(210)	ND(110)	ND(1,100)	2,900	1,200	2,600	ND(220)	ND(240)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(120)	ND(210)	ND(230)	ND(210)	ND(110)	ND(1,100)	ND(2,300)	ND(220)	ND(230)	ND(220)	ND(240)
Naphthalene	1,300	µg/kg	ND(120)	**4,800**	**5,700**	ND(210)	ND(110)	**38,000**	ND(2,300)	**2,700**	**6,900**	ND(220)	ND(240)
Phenanthrene	11,000	µg/kg	ND(120)	ND(210)	5,600	ND(210)	ND(110)	ND(1,100)	**29,000**	1,700	4,300	ND(220)	ND(240)
Pyrene	85,000	µg/kg	140	2,000	ND(230)	370	ND(110)	ND(1,100)	18,000	1,000	1,700	ND(220)	ND(240)

NOTES:

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J = estimated concentration between
the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S116-0"	S117-0"	S117-12"	S118-6"	S119-0"	S119-12"	S120-0"	S121-0"	S121-12"	S122-0"	S123-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	1 - 1.5	0.5 - 1	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
Date Collected:			01/29/08	01/31/08	02/01/08	01/22/09	01/04/08	01/04/08	01/04/08	01/04/08	01/04/08	01/29/08	11/29/07
Location ID:	CSL	Unit	S116	S117	S117	S118	S119	S119	S120	S121	S121	S122	S123
1-Methylnaphthalene	22,000	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	ND(240)	140	ND(120)	490	13,000	ND(21)	ND(22)
2-Methylnaphthalene	250	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	ND(240)	**260**	ND(120)	**480**	**21,000**	ND(21)	ND(22)
Acenaphthene	16,000	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	ND(240)	ND(24)	120	ND(240)	1,400	ND(21)	ND(22)
Acenaphthylene	13,000	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	ND(240)	ND(24)	ND(120)	ND(240)	ND(1,200)	ND(21)	ND(22)
Anthracene	2,800	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	250	ND(24)	140	340	2,700	ND(21)	ND(22)
Benzo(a)anthracene	150	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	**300**	ND(24)	**170**	**380**	ND(1,200)	ND(21)	ND(22)
Benzo(a)pyrene	15	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	**250**	ND(24)	**140**	**340**	ND(1,200)	ND(21)	ND(22)
Benzo(b)fluoranthene	150	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	ND(240)	ND(24)	130	**340**	ND(1,200)	ND(21)	ND(22)
Benzo(ghi)perylene	27,000	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	ND(240)	ND(24)	160	250	ND(1,200)	ND(21)	25
Benzo(k)fluoranthene	380	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	260	ND(24)	150	340	ND(1,200)	ND(21)	ND(22)
Chrysene	15,000	µg/kg	270	ND(25)	ND(24)	ND(24)	310	ND(24)	170	450	1,300	ND(21)	28
Dibenzo(a,h)anthracene	15	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	**240**	ND(24)	**180**	ND(240)	ND(1,200)	ND(21)	ND(22)
Fluoranthene	40,000	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	300	ND(24)	170	410	1,900	ND(21)	32
Fluorene	8,900	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	ND(240)	ND(24)	140	340	2,700	ND(21)	ND(22)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	**290**	ND(24)	150	ND(240)	ND(1,200)	ND(21)	25
Naphthalene	1,300	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	ND(240)	410	ND(120)	ND(240)	**6,000**	ND(21)	ND(22)
Phenanthrene	11,000	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	280	ND(24)	160	600	**19,000**	ND(21)	32
Pyrene	85,000	µg/kg	ND(240)	ND(25)	ND(24)	ND(24)	270	ND(24)	150	530	7,300	ND(21)	50

NOTES:

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TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S124-0"	S125-0"	S126-0"	S126-12"	S127-0"	S130-0"	S130-12"	S131-0"	S132-0"	S133B-0"	S133B-12"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5
Date Collected:			11/29/07	01/29/08	01/07/08	01/07/08	02/01/08	01/07/08	01/07/08	01/07/08	01/03/08	11/29/07	11/29/07
Location ID:	CSL	Unit	S124	S125	S126	S126	S127	S130	S130	S131	S132	S133	S133
1-Methylnaphthalene	22,000	µg/kg	ND(110)	ND(230)	ND(220)	48	ND(1,200)	970	ND(230)	ND(420)	ND(23)	**44,000**	340
2-Methylnaphthalene	250	µg/kg	ND(110)	ND(230)	ND(220)	42	ND(1,200)	**410**	ND(230)	ND(420)	28	**31,000**	**300**
Acenaphthene	16,000	µg/kg	ND(110)	ND(230)	ND(220)	ND(21)	ND(1,200)	280	ND(230)	ND(420)	ND(23)	12,000	240
Acenaphthylene	13,000	µg/kg	ND(110)	ND(230)	ND(220)	ND(21)	ND(1,200)	ND(220)	ND(230)	ND(420)	ND(23)	ND(1,100)	ND(110)
Anthracene	2,800	µg/kg	ND(110)	ND(230)	ND(220)	ND(21)	ND(1,200)	320	ND(230)	ND(420)	ND(23)	**4,000**	890
Benzo(a)anthracene	150	µg/kg	**520**	ND(230)	ND(220)	46	**1,500**	**300**	ND(230)	ND(420)	ND(23)	**4,400**	**1,100**
Benzo(a)pyrene	15	µg/kg	**370**	ND(230)	ND(220)	**150**	ND(1,200)	ND(220)	ND(230)	ND(420)	ND(23)	**2,200**	**710**
Benzo(b)fluoranthene	150	µg/kg	**350**	ND(230)	ND(220)	60	ND(1,200)	ND(220)	ND(230)	ND(420)	ND(23)	ND(1,100)	**510**
Benzo(ghi)perylene	27,000	µg/kg	300	ND(230)	ND(220)	ND(21)	ND(1,200)	ND(220)	ND(230)	ND(420)	ND(23)	ND(1,100)	270
Benzo(k)fluoranthene	380	µg/kg	190	ND(230)	ND(220)	ND(21)	ND(1,200)	ND(220)	ND(230)	ND(420)	ND(23)	ND(1,100)	ND(110)
Chrysene	15,000	µg/kg	1,000	ND(230)	ND(220)	280	2,300	740	230	420	ND(23)	5,800	2,500
Dibenzo(a,h)anthracene	15	µg/kg	ND(110)	ND(230)	ND(220)	ND(21)	ND(1,200)	ND(220)	ND(230)	ND(420)	ND(23)	ND(1,100)	ND(110)
Fluoranthene	40,000	µg/kg	410	ND(230)	ND(220)	30	1,400	450	ND(230)	ND(420)	ND(23)	1,800	450
Fluorene	8,900	µg/kg	ND(110)	ND(230)	ND(220)	ND(21)	ND(1,200)	540	ND(230)	ND(420)	ND(23)	**11,000**	150
Indeno(1,2,3-cd)pyrene	150	µg/kg	**310**	ND(230)	ND(220)	ND(21)	ND(1,200)	ND(220)	ND(230)	ND(420)	ND(23)	ND(1,100)	**280**
Naphthalene	1,300	µg/kg	ND(110)	ND(230)	ND(220)	ND(21)	ND(1,200)	ND(220)	ND(230)	ND(420)	ND(23)	**3,600**	ND(110)
Phenanthrene	11,000	µg/kg	280	ND(230)	ND(220)	270	1,800	1,100	340	ND(420)	ND(23)	**29,000**	1,200
Pyrene	85,000	µg/kg	1,400	ND(230)	ND(220)	130	5,000	1,200	280	ND(420)	ND(23)	13,000	4,400

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FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S134-0"	S135-6"	S136-0"	S136-24"	S137-0"	S138-0"	S138-18"	S139-12"	S139-24"	S140-12"	S141-0"
Depth (feet bgs):			0 - 0.5	0.5 - 1	0 - 0.5	2 - 2.5	0 - 0.5	0 - 0.5	1.5 - 2	1 - 1.5	2 - 2.5	1 - 1.5	0 - 0.5
Date Collected:			01/07/08	01/19/09	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	01/07/08
Location ID:	CSL	Unit	S134	S135	S136	S136	S137	S138	S138	S139	S139	S140	S141
1-Methylnaphthalene	22,000	µg/kg	ND(21)	ND(24)	**60,000**	13,000	460	2,700	**270,000**	700	1,400	66	ND(240)
2-Methylnaphthalene	250	µg/kg	ND(21)	ND(24)	**60,000**	**18,000**	**500**	**1,800**	**350,000**	**310**	**2,300**	43	ND(240)
Acenaphthene	16,000	µg/kg	ND(21)	ND(24)	**18,000**	ND(1,100)	ND(110)	570	**26,000**	ND(110)	ND(110)	ND(22)	ND(240)
Acenaphthylene	13,000	µg/kg	ND(21)	ND(24)	3,400	ND(1,100)	ND(110)	ND(110)	ND(23,000)	240	ND(110)	ND(22)	ND(240)
Anthracene	2,800	µg/kg	26	ND(24)	ND(2,200)	ND(1,100)	110	350	ND(23,000)	ND(110)	140	ND(22)	ND(240)
Benzo(a)anthracene	150	µg/kg	**310**	ND(24)	**2,500**	ND(1,100)	150	**390**	ND(23,000)	130	ND(110)	ND(22)	ND(240)
Benzo(a)pyrene	15	µg/kg	**440**	ND(24)	ND(2,200)	ND(1,100)	**480**	**690**	ND(23,000)	**140**	ND(110)	ND(22)	ND(240)
Benzo(b)fluoranthene	150	µg/kg	**450**	ND(24)	ND(2,200)	ND(1,100)	**290**	ND(110)	ND(23,000)	ND(110)	ND(110)	ND(22)	ND(240)
Benzo(ghi)perylene	27,000	µg/kg	160	ND(24)	ND(2,200)	ND(1,100)	170	240	ND(23,000)	130	ND(110)	ND(22)	ND(240)
Benzo(k)fluoranthene	380	µg/kg	**460**	ND(24)	ND(2,200)	ND(1,100)	ND(110)	260	ND(23,000)	ND(110)	ND(110)	ND(22)	ND(240)
Chrysene	15,000	µg/kg	550	ND(24)	5,400	ND(1,100)	730	1,300	ND(23,000)	180	ND(110)	ND(22)	ND(240)
Dibenzo(a,h)anthracene	15	µg/kg	**51**	ND(24)	ND(2,200)	ND(1,100)	ND(110)	ND(110)	ND(23,000)	ND(110)	ND(110)	ND(22)	ND(240)
Fluoranthene	40,000	µg/kg	560	ND(24)	ND(2,200)	ND(1,100)	250	160	ND(23,000)	ND(110)	ND(110)	ND(22)	ND(240)
Fluorene	8,900	µg/kg	ND(21)	ND(24)	**20,000**	3,500	ND(110)	810	**42,000**	660	3,000	34	ND(240)
Indeno(1,2,3-cd)pyrene	150	µg/kg	**160**	ND(24)	ND(2,200)	ND(1,100)	ND(110)	ND(110)	ND(23,000)	130	ND(110)	ND(22)	ND(240)
Naphthalene	1,300	µg/kg	ND(21)	ND(24)	**15,000**	**1,500**	ND(110)	ND(110)	ND(23,000)	220	270	ND(22)	ND(240)
Phenanthrene	11,000	µg/kg	190	ND(24)	**26,000**	2,200	730	1,800	**110,000**	570	580	28	ND(240)
Pyrene	85,000	µg/kg	960	ND(24)	8,200	ND(1,100)	760	2,700	31,000	280	ND(110)	ND(22)	ND(240)

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =The analyte concentra ion was reported from analysis o

ID = identification

J = es imated concentration between
the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S141-12"	S142-0"	S143-0"	S144B-0"	S144B-12"	S145-0"	S145-12"	S146-0"	S147-12"	S148-0"	S149-12"
Depth (feet bgs):			1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5
Date Collected:			01/07/08	01/07/08	01/07/08	01/31/08	01/31/08	01/07/08	01/07/08	11/29/07	11/29/07	11/29/07	11/29/07
Location ID:	CSL	Unit	S141	S142	S143	S144B	S144B	S145	S145	S146	S147	S148	S149
1-Methylnaphthalene	22,000	µg/kg	1,900	ND(210)	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	32	ND(42)	ND(110)	ND(1,100)
2-Methylnaphthalene	250	µg/kg	**2,700**	ND(210)	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	43	ND(42)	ND(110)	ND(1,100)
Acenaphthene	16,000	µg/kg	ND(240)	ND(210)	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	ND(23)	ND(42)	ND(110)	ND(1,100)
Acenaphthylene	13,000	µg/kg	ND(240)	ND(210)	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	ND(23)	ND(42)	ND(110)	ND(1,100)
Anthracene	2,800	µg/kg	ND(240)	ND(210)	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	ND(23)	46	130	ND(1,100)
Benzo(a)anthracene	150	µg/kg	ND(240)	ND(210)	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	ND(23)	69	ND(110)	**7,200**
Benzo(a)pyrene	15	µg/kg	ND(240)	ND(210)	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	ND(23)	**70**	ND(110)	**5,200**
Benzo(b)fluoranthene	150	µg/kg	ND(240)	**220**	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	ND(23)	66	ND(110)	**2,900**
Benzo(ghi)perylene	27,000	µg/kg	ND(240)	ND(210)	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	ND(23)	ND(42)	ND(110)	1,300
Benzo(k)fluoranthene	380	µg/kg	ND(240)	ND(210)	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	ND(23)	57	ND(110)	ND(1,100)
Chrysene	15,000	µg/kg	ND(240)	920	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	ND(23)	130	290	**20,000**
Dibenzo(a,h)anthracene	15	µg/kg	ND(240)	ND(210)	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	ND(23)	ND(42)	ND(110)	ND(1,100)
Fluoranthene	40,000	µg/kg	ND(240)	ND(210)	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	ND(23)	120	160	4,200
Fluorene	8,900	µg/kg	250	ND(210)	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	ND(23)	ND(42)	130	ND(1,100)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(240)	ND(210)	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	ND(23)	ND(42)	ND(110)	ND(1,100)
Naphthalene	1,300	µg/kg	500	ND(210)	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	28	ND(42)	ND(110)	ND(1,100)
Phenanthrene	11,000	µg/kg	320	660	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	ND(23)	120	1,200	**27,000**
Pyrene	85,000	µg/kg	ND(240)	2,600	ND(220)	ND(220)	ND(230)	ND(220)	ND(230)	ND(23)	160	470	30,000

NOTES:

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PAH = polycyclic aroma ic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S150-12"	S151-12"	S152-0"	S153-0"	S154-0"	S155B-0"	S156-0"	S157-0"	S158-0"	S158-12"	S159-0"
Depth (feet bgs):			1 - 1.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5
Date Collected:			11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	01/07/08	01/02/08	12/17/07	12/17/07	12/17/07
Location ID:	CSL	Unit	S150	S151	S152	S153	S154	S155	S156	S157	S158	S158	S159
1-Methylnaphthalene	22,000	µg/kg	240	ND(43)	ND(110)	ND(42)	ND(100)	ND(220)	ND(220)	ND(23)	ND(110)	ND(130)	ND(110)
2-Methylnaphthalene	250	µg/kg	**450**	ND(43)	ND(110)	ND(42)	ND(100)	ND(220)	ND(220)	ND(23)	ND(110)	ND(130)	ND(110)
Acenaphthene	16,000	µg/kg	ND(220)	ND(43)	ND(110)	ND(42)	ND(100)	ND(220)	ND(220)	ND(23)	ND(110)	ND(130)	ND(110)
Acenaphthylene	13,000	µg/kg	ND(220)	ND(43)	ND(110)	ND(42)	ND(100)	ND(220)	ND(220)	ND(23)	ND(110)	ND(130)	ND(110)
Anthracene	2,800	µg/kg	ND(220)	ND(43)	ND(110)	ND(42)	ND(100)	ND(220)	ND(220)	ND(23)	ND(110)	ND(130)	ND(110)
Benzo(a)anthracene	150	µg/kg	ND(220)	ND(43)	ND(110)	ND(42)	ND(100)	ND(220)	ND(220)	ND(23)	ND(110)	ND(130)	**220**
Benzo(a)pyrene	15	µg/kg	ND(220)	ND(43)	ND(110)	**77**	**110**	ND(220)	ND(220)	ND(23)	ND(110)	ND(130)	**120**
Benzo(b)fluoranthene	150	µg/kg	ND(220)	ND(43)	ND(110)	ND(42)	ND(100)	ND(220)	ND(220)	ND(23)	ND(110)	ND(130)	120
Benzo(ghi)perylene	27,000	µg/kg	ND(220)	ND(43)	110	70	ND(100)	ND(220)	ND(220)	ND(23)	ND(110)	ND(130)	ND(110)
Benzo(k)fluoranthene	380	µg/kg	ND(220)	ND(43)	ND(110)	ND(42)	ND(100)	ND(220)	ND(220)	ND(23)	ND(110)	ND(130)	130
Chrysene	15,000	µg/kg	ND(220)	49	ND(110)	64	110	720	ND(220)	ND(23)	ND(110)	ND(130)	250
D benzo(a,h)anthracene	15	µg/kg	ND(220)	ND(43)	ND(110)	ND(42)	ND(100)	ND(220)	ND(220)	ND(23)	ND(110)	ND(130)	ND(110)
Fluoranthene	40,000	µg/kg	ND(220)	50	ND(110)	ND(42)	ND(100)	250	ND(220)	ND(23)	ND(110)	ND(130)	300
Fluorene	8,900	µg/kg	ND(220)	ND(43)	ND(110)	ND(42)	ND(100)	ND(220)	ND(220)	ND(23)	ND(110)	ND(130)	ND(110)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(220)	ND(43)	ND(110)	ND(42)	ND(100)	ND(220)	ND(220)	ND(23)	ND(110)	ND(130)	ND(110)
Naphthalene	1,300	µg/kg	310	ND(43)	ND(110)	ND(42)	ND(100)	ND(220)	ND(220)	ND(23)	ND(110)	ND(130)	ND(110)
Phenanthrene	11,000	µg/kg	ND(220)	ND(43)	ND(110)	ND(42)	ND(100)	290	ND(220)	ND(23)	ND(110)	ND(130)	170
Pyrene	85,000	µg/kg	ND(220)	63	ND(110)	72	120	760	ND(220)	ND(23)	ND(110)	ND(130)	680

NOTES:

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ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S160-0" 0 - 0.5 01/07/08 S160	S161B-0" 0 - 0.5 11/29/07 S161	S162-12" 1 - 1.5 11/29/07 S162	S162-24" 2 - 2.5 11/29/07 S162	S163-0" 0 - 0.5 11/29/07 S163	S164-0" 0 - 0.5 11/29/07 S164	S165-0" 0 - 0.5 11/29/07 S165	S166-0" 0 - 0.5 11/29/07 S166	S167-0" 0 - 0.5 11/29/07 S167	S168-0" 0 - 0.5 11/29/07 S168	S169-0" 0 - 0.5 11/29/07 S169
1-Methylnaphthalene	22,000	µg/kg	ND(220)	ND(21)	730	ND(23)	ND(22)	ND(210)	ND(220)	60	ND(21)	ND(110)	ND(220)
2-Methylnaphthalene	250	µg/kg	ND(220)	ND(21)	180	ND(23)	ND(22)	**440**	ND(220)	92	33	ND(110)	ND(220)
Acenaphthene	16,000	µg/kg	ND(220)	ND(21)	ND(120)	ND(23)	ND(22)	ND(210)	ND(220)	ND(42)	ND(21)	ND(110)	ND(220)
Acenaphthylene	13,000	µg/kg	ND(220)	ND(21)	ND(120)	ND(23)	ND(22)	ND(210)	ND(220)	ND(42)	ND(21)	ND(110)	ND(220)
Anthracene	2,800	µg/kg	ND(220)	ND(21)	ND(120)	ND(23)	ND(22)	ND(210)	ND(220)	ND(42)	ND(21)	270	ND(220)
Benzo(a)anthracene	150	µg/kg	ND(220)	ND(21)	ND(120)	ND(23)	ND(22)	ND(210)	ND(220)	ND(42)	ND(21)	ND(110)	ND(220)
Benzo(a)pyrene	15	µg/kg	ND(220)	ND(21)	ND(120)	ND(23)	ND(22)	ND(210)	ND(220)	**45**	ND(21)	ND(110)	ND(220)
Benzo(b)fluoranthene	150	µg/kg	ND(220)	ND(21)	ND(120)	ND(23)	ND(22)	ND(210)	ND(220)	ND(42)	ND(21)	ND(110)	ND(220)
Benzo(ghi)perylene	27,000	µg/kg	ND(220)	ND(21)	ND(120)	ND(23)	ND(22)	ND(210)	ND(220)	ND(42)	ND(21)	150	300
Benzo(k)fluoranthene	380	µg/kg	ND(220)	ND(21)	ND(120)	ND(23)	ND(22)	ND(210)	ND(220)	ND(42)	ND(21)	ND(110)	ND(220)
Chrysene	15,000	µg/kg	ND(220)	ND(21)	ND(120)	ND(23)	ND(22)	ND(210)	260	ND(42)	29	ND(110)	ND(220)
D benzo(a,h)anthracene	15	µg/kg	ND(220)	ND(21)	ND(120)	ND(23)	ND(22)	ND(210)	ND(220)	ND(42)	ND(21)	ND(110)	ND(220)
Fluoranthene	40,000	µg/kg	ND(220)	ND(21)	ND(120)	ND(23)	ND(22)	ND(210)	ND(220)	ND(42)	22	ND(110)	ND(220)
Fluorene	8,900	µg/kg	ND(220)	ND(21)	ND(120)	ND(23)	ND(22)	ND(210)	ND(220)	ND(42)	ND(21)	ND(110)	ND(220)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(220)	ND(21)	ND(120)	ND(23)	ND(22)	ND(210)	ND(220)	ND(42)	ND(21)	ND(110)	ND(220)
Naphthalene	1,300	µg/kg	ND(220)	ND(21)	170	ND(23)	ND(22)	300	ND(220)	ND(42)	26	ND(110)	ND(220)
Phenanthrene	11,000	µg/kg	ND(220)	ND(21)	ND(120)	ND(23)	ND(22)	ND(210)	ND(220)	73	52	ND(110)	ND(220)
Pyrene	85,000	µg/kg	ND(220)	ND(21)	ND(120)	ND(23)	ND(22)	ND(210)	ND(220)	66	46	ND(110)	ND(220)

NOTES:

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TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S170-0"	S171-0"	S171-12"	S172-0"	S173-0"	S174-0"	S175-0"	S175-0"	S176-0"	S177-0"	S178-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			01/07/08	12/17/07	12/17/07	12/17/07	12/17/07	12/14/07	01/07/08	01/31/08	11/28/07	11/28/07	11/28/07
Location ID:	CSL	Unit	S170	S171	S171	S172	S173	S174	S175	S175	S176	S177	S178
1-Methylnaphthalene	22,000	µg/kg	ND(230)	ND(110)	ND(130)	ND(110)	180	ND(110)	ND(220)	ND(220)	31	ND(110)	ND(110)
2-Methylnaphthalene	250	µg/kg	ND(230)	ND(110)	ND(130)	ND(110)	230	ND(110)	ND(220)	ND(220)	56	150	ND(110)
Acenaphthene	16,000	µg/kg	ND(230)	ND(110)	ND(130)	ND(110)	ND(100)	ND(110)	ND(220)	ND(220)	ND(21)	ND(110)	ND(110)
Acenaphthylene	13,000	µg/kg	ND(230)	ND(110)	ND(130)	ND(110)	ND(100)	ND(110)	ND(220)	ND(220)	ND(21)	ND(110)	ND(110)
Anthracene	2,800	µg/kg	ND(230)	ND(110)	ND(130)	ND(110)	ND(100)	ND(110)	ND(220)	ND(220)	ND(21)	ND(110)	ND(110)
Benzo(a)anthracene	150	µg/kg	ND(230)	ND(110)	ND(130)	ND(110)	ND(100)	ND(110)	ND(220)	ND(220)	ND(21)	ND(110)	120
Benzo(a)pyrene	15	µg/kg	ND(230)	ND(110)	**1,100**	ND(110)	ND(100)	ND(110)	ND(220)	ND(220)	ND(21)	ND(110)	**110**
Benzo(b)fluoranthene	150	µg/kg	ND(230)	ND(110)	**550**	ND(110)	ND(100)	ND(110)	ND(220)	ND(220)	21	ND(110)	ND(110)
Benzo(ghi)perylene	27,000	µg/kg	ND(230)	ND(110)	740	ND(110)	ND(100)	ND(110)	ND(220)	ND(220)	91	ND(110)	ND(110)
Benzo(k)fluoranthene	380	µg/kg	ND(230)	ND(110)	ND(130)	ND(110)	ND(100)	ND(110)	ND(220)	ND(220)	ND(21)	ND(110)	ND(110)
Chrysene	15,000	µg/kg	ND(230)	ND(110)	1,900	ND(110)	240	ND(110)	ND(220)	ND(220)	44	ND(110)	180
Dibenzo(a,h)anthracene	15	µg/kg	ND(230)	ND(110)	ND(130)	ND(110)	ND(100)	ND(110)	ND(220)	ND(220)	ND(21)	ND(110)	ND(110)
Fluoranthene	40,000	µg/kg	ND(230)	ND(110)	ND(130)	ND(110)	ND(100)	ND(110)	ND(220)	ND(220)	ND(21)	ND(110)	240
Fluorene	8,900	µg/kg	ND(230)	ND(110)	ND(130)	ND(110)	ND(100)	ND(110)	ND(220)	ND(220)	ND(21)	ND(110)	ND(110)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(230)	ND(110)	**360**	ND(110)	ND(100)	ND(110)	ND(220)	ND(220)	ND(21)	ND(110)	ND(110)
Naphthalene	1,300	µg/kg	ND(230)	ND(110)	ND(130)	ND(110)	110	ND(110)	ND(220)	ND(220)	27	ND(110)	ND(110)
Phenanthrene	11,000	µg/kg	ND(230)	ND(110)	ND(130)	ND(110)	ND(100)	ND(110)	ND(220)	ND(220)	43	ND(110)	ND(110)
Pyrene	85,000	µg/kg	ND(230)	190	1,200	ND(110)	260	ND(110)	ND(220)	ND(220)	59	ND(110)	250

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FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S179-0"	S180-0"	S181-0"	S182-0"	S183-0"	S184-0"	S185-6"	S186-0"	S187-0"	S188-0"	S189-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/28/07	11/28/07	01/31/08	12/14/07	12/17/07	12/14/07	01/19/09	01/31/08	01/04/08	11/26/07	11/26/07
Location ID:	CSL	Unit	S179	S180	S181	S182	S183	S184	S185	S186	S187	S188	S189
1-Methylnaphthalene	22,000	µg/kg	ND(22)	ND(21)	ND(220)	170	ND(110)	ND(110)	ND(210)	ND(230)	ND(23)	ND(21)	ND(21)
2-Methylnaphthalene	250	µg/kg	ND(22)	22	ND(220)	ND(110)	ND(110)	ND(110)	ND(210)	ND(230)	ND(23)	ND(21)	ND(21)
Acenaphthene	16,000	µg/kg	ND(22)	45	ND(220)	120	ND(110)	ND(110)	ND(210)	ND(230)	ND(23)	ND(21)	ND(21)
Acenaphthylene	13,000	µg/kg	ND(22)	43	ND(220)	ND(110)	ND(110)	ND(110)	ND(210)	ND(230)	ND(23)	ND(21)	ND(21)
Anthracene	2,800	µg/kg	ND(22)	ND(21)	ND(220)	ND(110)	ND(110)	ND(110)	ND(210)	ND(230)	ND(23)	ND(21)	ND(21)
Benzo(a)anthracene	150	µg/kg	ND(22)	ND(21)	ND(220)	130	**560**	**200**	**440**	ND(230)	ND(23)	ND(21)	ND(21)
Benzo(a)pyrene	15	µg/kg	**37**	ND(21)	ND(220)	**300**	**370**	**140**	**360**	ND(230)	ND(23)	ND(21)	ND(21)
Benzo(b)fluoranthene	150	µg/kg	ND(22)	ND(21)	ND(220)	**200**	**430**	**160**	**430**	ND(230)	ND(23)	ND(21)	ND(21)
Benzo(ghi)perylene	27,000	µg/kg	47	28	ND(220)	220	120	ND(110)	ND(210)	ND(230)	ND(23)	ND(21)	ND(21)
Benzo(k)fluoranthene	380	µg/kg	ND(22)	ND(21)	ND(220)	ND(110)	320	170	330	ND(230)	ND(23)	ND(21)	ND(21)
Chrysene	15,000	µg/kg	37	23	ND(220)	720	1,100	270	660	ND(230)	ND(23)	ND(21)	37 J
Dibenzo(a,h)anthracene	15	µg/kg	ND(22)	ND(21)	ND(220)	ND(110)	ND(110)	ND(110)	ND(210)	ND(230)	ND(23)	ND(21)	ND(21)
Fluoranthene	40,000	µg/kg	23	ND(21)	ND(220)	130	940	360	890	ND(230)	ND(23)	ND(21)	ND(21)
Fluorene	8,900	µg/kg	ND(22)	55	ND(220)	110	ND(110)	ND(110)	ND(210)	ND(230)	ND(23)	ND(21)	ND(21)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(22)	ND(21)	ND(220)	ND(110)	ND(110)	ND(110)	ND(210)	ND(230)	ND(23)	ND(21)	ND(21)
Naphthalene	1,300	µg/kg	ND(22)	45	ND(220)	ND(110)	ND(110)	ND(110)	1,200	ND(230)	ND(23)	ND(21)	ND(21)
Phenanthrene	11,000	µg/kg	ND(22)	ND(21)	ND(220)	370	290	ND(110)	980	ND(230)	ND(23)	ND(21)	ND(21)
Pyrene	85,000	µg/kg	51	110	ND(220)	490	1,200	330	1,200	ND(230)	ND(23)	ND(21)	41 J

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

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D =The analyte concentration was reported from analysis o

ID = identification

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the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S190-0"	S191-0"	S192-0"	S193-0"	S194-0"	S195-0"	S196-0"	S196-18"	S197-0"	S198-0"	S199-12"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1.5 - 2	0 - 0.5	0 - 0.5	1 - 1.5
Date Collected:			11/26/07	11/26/07	11/26/07	11/26/07	11/26/07	11/26/07	11/26/07	11/26/07	11/26/07	11/26/07	11/26/07
Location ID:	CSL	Unit	S190	S191	S192	S193	S194	S195	S196	S196	S197	S198	S199
1-Methylnaphthalene	22,000	µg/kg	32	ND(100)	ND(110)	ND(22)	ND(21)	ND(24)	160	14,000 J	ND(22)	28	1,000
2-Methylnaphthalene	250	µg/kg	63	ND(100)	ND(110)	ND(22)	ND(21)	ND(24)	150	**22,000 J**	ND(22)	37	**1,400**
Acenaphthene	16,000	µg/kg	ND(21)	ND(100)	ND(110)	ND(22)	ND(21)	ND(24)	ND(23)	ND(450)	ND(22)	ND(21)	61
Acenaphthylene	13,000	µg/kg	ND(21)	ND(100)	ND(110)	ND(22)	ND(21)	ND(24)	ND(23)	ND(450)	ND(22)	ND(21)	ND(46)
Anthracene	2,800	µg/kg	ND(21)	ND(100)	ND(110)	ND(22)	ND(21)	ND(24)	ND(23)	ND(450)	ND(22)	ND(21)	ND(46)
Benzo(a)anthracene	150	µg/kg	ND(21)	**160 J**	**710**	ND(22)	ND(21)	42	32	ND(450)	ND(22)	ND(21)	ND(46)
Benzo(a)pyrene	15	µg/kg	ND(21)	ND(100)	**370**	ND(22)	ND(21)	**110**	**31**	ND(450)	ND(22)	**26 J**	ND(46)
Benzo(b)fluoranthene	150	µg/kg	ND(21)	ND(100)	**320**	ND(22)	ND(21)	64	35	ND(450)	ND(22)	21 J	ND(46)
Benzo(ghi)perylene	27,000	µg/kg	66 J	ND(100)	190	ND(22)	27	54	29	ND(450)	ND(22)	120 J	ND(46)
Benzo(k)fluoranthene	380	µg/kg	ND(21)	ND(100)	ND(110)	ND(22)	ND(21)	42	ND(23)	ND(450)	ND(22)	ND(21)	ND(46)
Chrysene	15,000	µg/kg	39 J	310 J	1,300	ND(22)	ND(21)	140	260	ND(450)	ND(22)	51 J	74
Dibenzo(a,h)anthracene	15	µg/kg	ND(21)	ND(100)	**120**	ND(22)	ND(21)	ND(24)	ND(23)	ND(450)	ND(22)	ND(21)	ND(46)
Fluoranthene	40,000	µg/kg	24 J	180 J	160	ND(22)	ND(21)	52	ND(23)	ND(450)	ND(22)	ND(21)	ND(46)
Fluorene	8,900	µg/kg	ND(21)	140	ND(110)	ND(22)	ND(21)	ND(24)	ND(23)	1,700 J	ND(22)	ND(21)	200
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(21)	ND(100)	ND(110)	ND(22)	ND(21)	ND(24)	ND(23)	ND(450)	ND(22)	ND(21)	ND(46)
Naphthalene	1,300	µg/kg	33	ND(100)	ND(110)	ND(22)	ND(21)	ND(24)	100	**5,500 J**	ND(22)	21	280
Phenanthrene	11,000	µg/kg	31 J	400 J	320	ND(22)	ND(21)	41	110	600 J	ND(22)	ND(21)	230
Pyrene	85,000	µg/kg	65 J	580 J	1,900	ND(22)	ND(21)	140	130	ND(450)	ND(22)	30 J	72

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µg/kg = micrograms per kilogram

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TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S199-24"	S200-0"	S201-0"	S201-18"	S202-0"	S203-0"	S204-0"	S205-0"	S206-0"	S207-0"	S208-0"
Depth (feet bgs):			2 - 2.5	0 - 0.5	0 - 0.5	1.5 - 2	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/26/07	11/26/07	11/26/07	11/26/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/26/07
Location ID:	CSL	Unit	S199	S200	S201	S201	S202	S203	S204	S205	S206	S207	S208
1-Methylnaphthalene	22,000	µg/kg	39	ND(110)	2,900	3,300	ND(22)	ND(22)	ND(22)	ND(21)	ND(100)	ND(100)	ND(210)
2-Methylnaphthalene	250	µg/kg	ND(23)	ND(110)	**4,000**	**4,300**	ND(22)	ND(22)	ND(22)	ND(21)	ND(100)	ND(100)	ND(210)
Acenaphthene	16,000	µg/kg	65	ND(110)	220	ND(220)	ND(22)	ND(22)	ND(22)	ND(21)	ND(100)	ND(100)	ND(210)
Acenaphthylene	13,000	µg/kg	33	ND(110)	ND(210)	ND(220)	ND(22)	ND(22)	ND(22)	ND(21)	ND(100)	ND(100)	300
Anthracene	2,800	µg/kg	ND(23)	ND(110)	ND(210)	ND(220)	ND(22)	ND(22)	ND(22)	ND(21)	ND(100)	ND(100)	330
Benzo(a)anthracene	150	µg/kg	ND(23)	ND(110)	**600 J**	ND(220)	ND(22)	ND(22)	ND(22)	ND(21)	**160**	140	**2,200**
Benzo(a)pyrene	15	µg/kg	ND(23)	**280**	**470 J**	ND(220)	ND(22)	ND(22)	ND(22)	ND(21)	ND(100)	**110**	**2,000**
Benzo(b)fluoranthene	150	µg/kg	ND(23)	110	ND(210)	ND(220)	ND(22)	ND(22)	ND(22)	ND(21)	120	130	**2,300**
Benzo(ghi)perylene	27,000	µg/kg	ND(23)	490	460 J	ND(220)	ND(22)	ND(22)	32	47	ND(100)	ND(100)	1,400
Benzo(k)fluoranthene	380	µg/kg	ND(23)	ND(110)	**470 J**	ND(220)	ND(22)	ND(22)	ND(22)	ND(21)	110	ND(100)	**2,000**
Chrysene	15,000	µg/kg	52	300	1,700 J	240	ND(22)	26	29	ND(21)	180	160	2,600
Dibenzo(a,h)anthracene	15	µg/kg	ND(23)	**180**	**300 J**	ND(220)	ND(22)	ND(22)	ND(22)	ND(21)	ND(100)	ND(100)	**530**
Fluoranthene	40,000	µg/kg	ND(23)	ND(110)	ND(210)	ND(220)	ND(22)	ND(22)	ND(22)	ND(21)	250	200	3,800
Fluorene	8,900	µg/kg	ND(23)	ND(110)	1,100	630	ND(22)	ND(22)	ND(22)	ND(21)	ND(100)	ND(100)	280
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(23)	ND(110)	ND(210)	ND(220)	ND(22)	ND(22)	ND(22)	ND(21)	ND(100)	ND(100)	**1,400**
Naphthalene	1,300	µg/kg	ND(23)	ND(110)	1,100	610	ND(22)	39	ND(22)	ND(21)	ND(100)	ND(100)	ND(210)
Phenanthrene	11,000	µg/kg	ND(23)	ND(110)	1,900 J	1,500	ND(22)	ND(22)	ND(22)	ND(21)	120	ND(100)	2,200
Pyrene	85,000	µg/kg	52	150	1,800 J	ND(220)	ND(22)	ND(22)	ND(22)	ND(21)	420	310	3,000

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TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S209-0" 0 - 0.5 11/26/07 S209	S210-0" 0 - 0.5 11/26/07 S210	S211-0" 0 - 0.5 11/26/07 S211	S212-0" 0 - 0.5 11/26/07 S212	S213-0" 0 - 0.5 11/28/07 S213	S214-0" 0 - 0.5 11/28/07 S214	S215-0" 0 - 0.5 11/28/07 S215	S216-0" 0 - 0.5 11/28/07 S216	S217-0" 0 - 0.5 11/28/07 S217	S218-0" 0 - 0.5 11/28/07 S218	S219-0" 0 - 0.5 11/28/07 S219
1-Methylnaphthalene	22,000	µg/kg	92	ND(220)	32	24	ND(110)	ND(110)	13,000	ND(21)	ND(21)	ND(20)	ND(100)
2-Methylnaphthalene	250	µg/kg	82	ND(220)	22	23	140	130	**25,000**	ND(21)	ND(21)	ND(20)	ND(100)
Acenaphthene	16,000	µg/kg	110	ND(220)	43	ND(22)	ND(110)	ND(110)	ND(1,100)	ND(21)	ND(21)	ND(20)	ND(100)
Acenaphthylene	13,000	µg/kg	ND(43)	ND(220)	38	ND(22)	ND(110)	ND(110)	ND(1,100)	ND(21)	ND(21)	ND(20)	ND(100)
Anthracene	2,800	µg/kg	150	ND(220)	680 J	ND(22)	ND(110)	ND(110)	ND(1,100)	ND(21)	ND(21)	ND(20)	ND(100)
Benzo(a)anthracene	150	µg/kg	**390**	**670 J**	130 J	110 J	**170**	ND(110)	ND(1,100)	ND(21)	49	21	**280**
Benzo(a)pyrene	15	µg/kg	**530**	**740 J**	ND(22)	**110 J**	**650**	**160**	ND(1,100)	ND(21)	**57**	ND(20)	**240**
Benzo(b)fluoranthene	150	µg/kg	**320**	**670 J**	68 J	94 J	ND(110)	ND(110)	ND(1,100)	ND(21)	50	ND(20)	**240**
Benzo(ghi)perylene	27,000	µg/kg	950	510 J	45 J	130 J	360	ND(110)	ND(1,100)	ND(21)	34	ND(20)	120
Benzo(k)fluoranthene	380	µg/kg	**460**	ND(220)	66 J	ND(22)	260	ND(110)	ND(1,100)	ND(21)	52	ND(20)	260
Chrysene	15,000	µg/kg	920	1,500 J	280 J	230 J	480	ND(110)	ND(1,100)	ND(21)	71	54	310
Dibenzo(a,h)anthracene	15	µg/kg	**360**	**320 J**	ND(22)	**54 J**	ND(110)	ND(110)	ND(1,100)	ND(21)	ND(21)	ND(20)	ND(100)
Fluoranthene	40,000	µg/kg	140	480 J	130 J	53 J	ND(110)	ND(110)	ND(1,100)	ND(21)	83	ND(20)	510
Fluorene	8,900	µg/kg	170	ND(220)	290	22	ND(110)	ND(110)	ND(1,100)	ND(21)	ND(21)	ND(20)	ND(100)
Indeno(1,2,3-cd)pyrene	150	µg/kg	**260**	ND(220)	ND(22)	35 J	ND(110)	ND(110)	ND(1,100)	ND(21)	27	ND(20)	120
Naphthalene	1,300	µg/kg	ND(43)	ND(220)	ND(22)	ND(22)	ND(110)	ND(110)	**7,300**	ND(21)	ND(21)	ND(20)	ND(100)
Phenanthrene	11,000	µg/kg	870	400 J	670 J	98 J	160	ND(110)	ND(1,100)	ND(21)	46	ND(20)	360
Pyrene	85,000	µg/kg	760	1,800 J	380 J	210 J	820	ND(110)	ND(1,100)	ND(21)	100	43	610

NOTES:

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PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S220-0" 0 - 0.5 11/28/07 S220	S221-0" 0 - 0.5 11/28/07 S221	S222-0" 0 - 0.5 11/28/07 S222	S223-0" 0 - 0.5 11/28/07 S223	S224-0" 0 - 0.5 11/28/07 S224	S225-0" 0 - 0.5 11/28/07 S225	S226-0" 0 - 0.5 11/28/07 S226	S227-0" 0 - 0.5 11/29/07 S227	S228-0" 0 - 0.5 11/28/07 S228	S229-0" 0 - 0.5 11/28/07 S229	S230-0" 0 - 0.5 11/28/07 S230
1-Methylnaphthalene	22,000	µg/kg	ND(21)	ND(22)	ND(21)	ND(110)	350	ND(22)	ND(43)	ND(22)	ND(110)	ND(100)	28
2-Methylnaphthalene	250	µg/kg	ND(21)	ND(22)	ND(21)	ND(110)	**290**	ND(22)	ND(43)	ND(22)	ND(110)	ND(100)	58
Acenaphthene	16,000	µg/kg	ND(21)	ND(22)	ND(21)	ND(110)	160	ND(22)	ND(43)	ND(22)	ND(110)	ND(100)	ND(21)
Acenaphthylene	13,000	µg/kg	ND(21)	ND(22)	ND(21)	ND(110)	ND(100)	ND(22)	ND(43)	ND(22)	ND(110)	ND(100)	ND(21)
Anthracene	2,800	µg/kg	ND(21)	ND(22)	ND(21)	ND(110)	2,000	ND(22)	ND(43)	ND(22)	260	ND(100)	ND(21)
Benzo(a)anthracene	150	µg/kg	47	ND(22)	ND(21)	ND(110)	**980**	ND(22)	51	ND(22)	ND(110)	ND(100)	ND(21)
Benzo(a)pyrene	15	µg/kg	**57**	ND(22)	ND(21)	**110**	**1,100**	ND(22)	**92**	**39**	ND(110)	ND(100)	ND(21)
Benzo(b)fluoranthene	150	µg/kg	49	ND(22)	ND(21)	ND(110)	**570**	ND(22)	73	ND(22)	ND(110)	ND(100)	ND(21)
Benzo(ghi)perylene	27,000	µg/kg	39	34	ND(21)	ND(110)	370	ND(22)	80	76	160	ND(100)	ND(21)
Benzo(k)fluoranthene	380	µg/kg	49	ND(22)	ND(21)	ND(110)	ND(100)	ND(22)	ND(43)	ND(22)	ND(110)	ND(100)	ND(21)
Chrysene	15,000	µg/kg	77	ND(22)	ND(21)	140	2,400	23	100	57	390	120	ND(21)
Dibenzo(a,h)anthracene	15	µg/kg	ND(21)	ND(22)	ND(21)	ND(110)	**180**	ND(22)	ND(43)	ND(22)	ND(110)	ND(100)	ND(21)
Fluoranthene	40,000	µg/kg	72	ND(22)	ND(21)	180	ND(100)	ND(22)	72	ND(22)	ND(110)	ND(100)	ND(21)
Fluorene	8,900	µg/kg	ND(21)	ND(22)	ND(21)	ND(110)	ND(100)	ND(22)	ND(43)	ND(22)	ND(110)	ND(100)	ND(21)
Indeno(1,2,3-cd)pyrene	150	µg/kg	29	35	ND(21)	ND(110)	120	ND(22)	ND(43)	78	ND(110)	ND(100)	ND(21)
Naphthalene	1,300	µg/kg	ND(21)	ND(22)	ND(21)	140	ND(100)	ND(22)	110	ND(22)	ND(110)	ND(100)	67
Phenanthrene	11,000	µg/kg	36	ND(22)	ND(21)	270	2,000	24	71	ND(22)	ND(110)	ND(100)	ND(21)
Pyrene	85,000	µg/kg	92	ND(22)	ND(21)	240	3,500	ND(22)	180	62	160	ND(100)	ND(21)

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TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S230-12"	S231-0"	S232-0"	S233-0"	S234-0"	S235-0"	S236-0"	S237-0"	S238-0"	S239-0"	S239-12"
Depth (feet bgs):			1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5
Date Collected:			11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/29/07	01/28/08	01/28/08	01/30/08
Location ID:	CSL	Unit	S230	S231	S232	S233	S234	S235	S236	S237	S238	S239	S239
1-Methylnaphthalene	22,000	µg/kg	27	ND(100)	ND(100)	ND(110)	ND(21)	ND(21)	ND(100)	ND(22)	ND(240)	ND(24)	ND(240)
2-Methylnaphthalene	250	µg/kg	ND(21)	ND(100)	ND(100)	ND(110)	ND(21)	ND(21)	ND(100)	ND(22)	ND(240)	34	ND(240)
Acenaphthene	16,000	µg/kg	ND(21)	ND(100)	ND(100)	ND(110)	ND(21)	ND(21)	ND(100)	ND(22)	ND(240)	ND(24)	ND(240)
Acenaphthylene	13,000	µg/kg	ND(21)	ND(100)	ND(100)	ND(110)	ND(21)	ND(21)	ND(100)	ND(22)	ND(240)	ND(24)	ND(240)
Anthracene	2,800	µg/kg	ND(21)	ND(100)	ND(100)	130	ND(21)	ND(21)	ND(100)	ND(22)	ND(240)	ND(24)	ND(240)
Benzo(a)anthracene	150	µg/kg	ND(21)	ND(100)	130	ND(110)	ND(21)	36	ND(100)	ND(22)	ND(240)	30	ND(240)
Benzo(a)pyrene	15	µg/kg	ND(21)	ND(100)	**120**	**210**	ND(21)	**30**	**170**	ND(22)	ND(240)	**27**	ND(240)
Benzo(b)fluoranthene	150	µg/kg	ND(21)	ND(100)	ND(100)	ND(110)	ND(21)	34	ND(100)	ND(22)	ND(240)	25	ND(240)
Benzo(ghi)perylene	27,000	µg/kg	ND(21)	ND(100)	ND(100)	140	ND(21)	ND(21)	ND(100)	23	ND(240)	ND(24)	ND(240)
Benzo(k)fluoranthene	380	µg/kg	ND(21)	ND(100)	ND(100)	ND(110)	ND(21)	28	ND(100)	ND(22)	ND(240)	ND(24)	ND(240)
Chrysene	15,000	µg/kg	ND(21)	120	160	250	ND(21)	48	130	24	ND(240)	36	ND(240)
Dibenzo(a,h)anthracene	15	µg/kg	ND(21)	ND(100)	ND(100)	ND(110)	ND(21)	ND(21)	ND(100)	ND(22)	ND(240)	ND(24)	ND(240)
Fluoranthene	40,000	µg/kg	ND(21)	140	180	ND(110)	ND(21)	68	ND(100)	ND(22)	260	55	ND(240)
Fluorene	8,900	µg/kg	ND(21)	ND(100)	ND(100)	ND(110)	ND(21)	ND(21)	ND(100)	ND(22)	ND(240)	ND(24)	ND(240)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(21)	ND(100)	ND(100)	ND(110)	ND(21)	ND(21)	ND(100)	24	ND(240)	ND(24)	ND(240)
Naphthalene	1,300	µg/kg	ND(21)	ND(100)	380	ND(110)	ND(21)	ND(21)	ND(100)	ND(22)	ND(240)	33	ND(240)
Phenanthrene	11,000	µg/kg	ND(21)	ND(100)	ND(100)	300	ND(21)	45	ND(100)	ND(22)	ND(240)	ND(24)	ND(240)
Pyrene	85,000	µg/kg	ND(21)	190	180	280	ND(21)	74	ND(100)	36	300	54	300

NOTES:

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bgs = below ground surface

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ID = identification

J = estimated concentration between
the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S240-6" 0.5 - 1 01/20/09 S240	S241-6" 0.5 - 1 01/20/09 S241	S242-0" 0 - 0.5 01/29/08 S242	S243-0" 0 - 0.5 01/29/08 S243	S244-0" 0 - 0.5 01/28/08 S244	S245-0" 0 - 0.5 01/28/08 S245	S246-0" 0 - 0.5 01/29/08 S246	S247-0" 0 - 0.5 01/29/08 S247	S248-0" 0 - 0.5 01/28/08 S248	S249-0" 0 - 0.5 01/28/08 S249	S250-0" 0 - 0.5 01/28/08 S250
1-Methylnaphthalene	22,000	µg/kg	ND(440)	ND(220)	ND(230)	ND(21)	ND(47)	ND(22)	ND(230)	ND(230)	ND(230)	ND(120)	ND(22)
2-Methylnaphthalene	250	µg/kg	ND(440)	ND(220)	ND(230)	ND(21)	ND(47)	ND(22)	ND(230)	ND(230)	ND(230)	ND(120)	ND(22)
Acenaphthene	16,000	µg/kg	ND(440)	ND(220)	ND(230)	ND(21)	ND(47)	ND(22)	ND(230)	ND(230)	ND(230)	ND(120)	ND(22)
Acenaphthylene	13,000	µg/kg	ND(440)	ND(220)	ND(230)	ND(21)	ND(47)	ND(22)	ND(230)	ND(230)	ND(230)	ND(120)	ND(22)
Anthracene	2,800	µg/kg	ND(440)	230	ND(230)	ND(21)	ND(47)	ND(22)	ND(230)	ND(230)	ND(230)	ND(120)	ND(22)
Benzo(a)anthracene	150	µg/kg	ND(440)	**330**	ND(230)	ND(21)	63	ND(22)	ND(230)	**310**	ND(230)	ND(120)	ND(22)
Benzo(a)pyrene	15	µg/kg	ND(440)	**290**	ND(230)	ND(21)	**58**	ND(22)	ND(230)	**270**	ND(230)	ND(120)	ND(22)
Benzo(b)fluoranthene	150	µg/kg	ND(440)	**270**	ND(230)	ND(21)	ND(47)	ND(22)	ND(230)	ND(230)	ND(230)	ND(120)	ND(22)
Benzo(ghi)perylene	27,000	µg/kg	ND(440)	ND(220)	ND(230)	ND(21)	ND(47)	ND(22)	ND(230)	270	ND(230)	ND(120)	ND(22)
Benzo(k)fluoranthene	380	µg/kg	ND(440)	250	ND(230)	ND(21)	62	ND(22)	ND(230)	ND(230)	ND(230)	ND(120)	ND(22)
Chrysene	15,000	µg/kg	ND(440)	410	ND(230)	ND(21)	70	ND(22)	ND(230)	360	ND(230)	ND(120)	ND(22)
Dibenzo(a,h)anthracene	15	µg/kg	ND(440)	ND(220)	ND(230)	ND(21)	ND(47)	ND(22)	ND(230)	ND(230)	ND(230)	ND(120)	ND(22)
Fluoranthene	40,000	µg/kg	660	840	ND(230)	ND(21)	90	ND(22)	ND(230)	480	ND(230)	ND(120)	ND(22)
Fluorene	8,900	µg/kg	ND(440)	ND(220)	ND(230)	ND(21)	ND(47)	ND(22)	ND(230)	ND(230)	ND(230)	ND(120)	ND(22)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(440)	ND(220)	ND(230)	ND(21)	48	ND(22)	ND(230)	**240**	ND(230)	ND(120)	ND(22)
Naphthalene	1,300	µg/kg	ND(440)	ND(220)	ND(230)	ND(21)	ND(47)	ND(22)	ND(230)	ND(230)	ND(230)	ND(120)	ND(22)
Phenanthrene	11,000	µg/kg	770	940	ND(230)	ND(21)	ND(47)	ND(22)	ND(230)	250	ND(230)	ND(120)	ND(22)
Pyrene	85,000	µg/kg	690	890	ND(230)	ND(21)	100	ND(22)	ND(230)	510	ND(230)	130	ND(22)

NOTES:

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PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S250-12"	S251-0"	S251-6"	S252-0"	S253-0"	S254-0"	S254-12"	S255-0"	S256-0"	S257-0"	S258-0"
Depth (feet bgs):			1 - 1.5	0 - 0.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			01/30/08	01/28/08	01/20/09	01/29/08	01/29/08	01/29/08	01/30/08	01/29/08	01/31/08	01/03/08	01/03/08
Location ID:	CSL	Unit	S250	S251	S251	S252	S253	S254	S254	S255	S256	S257	S258
1-Methylnaphthalene	22,000	µg/kg	ND(22)	ND(24)	ND(24)	ND(240)	ND(230)	ND(230)	ND(230)	ND(27)	ND(230)	27	ND(120)
2-Methylnaphthalene	250	µg/kg	ND(22)	ND(24)	ND(24)	ND(240)	ND(230)	ND(230)	ND(230)	ND(27)	ND(230)	ND(24)	ND(120)
Acenaphthene	16,000	µg/kg	ND(22)	ND(24)	ND(24)	ND(240)	ND(230)	ND(230)	ND(230)	ND(27)	ND(230)	ND(24)	ND(120)
Acenaphthylene	13,000	µg/kg	ND(22)	ND(24)	ND(24)	ND(240)	ND(230)	ND(230)	ND(230)	ND(27)	ND(230)	ND(24)	ND(120)
Anthracene	2,800	µg/kg	ND(22)	ND(24)	ND(24)	ND(240)	ND(230)	ND(230)	ND(230)	ND(27)	ND(230)	ND(24)	ND(120)
Benzo(a)anthracene	150	µg/kg	ND(22)	ND(24)	24	ND(240)	ND(230)	ND(230)	ND(230)	ND(27)	ND(230)	ND(24)	150
Benzo(a)pyrene	15	µg/kg	ND(22)	ND(24)	**29**	ND(240)	ND(230)	ND(230)	ND(230)	ND(27)	ND(230)	ND(24)	**120**
Benzo(b)fluoranthene	150	µg/kg	ND(22)	ND(24)	ND(24)	ND(240)	ND(230)	ND(230)	ND(230)	ND(27)	ND(230)	ND(24)	ND(120)
Benzo(ghi)perylene	27,000	µg/kg	ND(22)	ND(24)	ND(24)	ND(240)	ND(230)	ND(230)	ND(230)	ND(27)	ND(230)	ND(24)	ND(120)
Benzo(k)fluoranthene	380	µg/kg	ND(22)	ND(24)	ND(24)	ND(240)	ND(230)	ND(230)	ND(230)	ND(27)	ND(230)	ND(24)	ND(120)
Chrysene	15,000	µg/kg	ND(22)	ND(24)	37	ND(240)	ND(230)	ND(230)	280	ND(27)	320	ND(24)	210
Dibenzo(a,h)anthracene	15	µg/kg	ND(22)	ND(24)	ND(24)	ND(240)	ND(230)	ND(230)	ND(230)	ND(27)	ND(230)	ND(24)	ND(120)
Fluoranthene	40,000	µg/kg	ND(22)	ND(24)	45	ND(240)	ND(230)	ND(230)	340	ND(27)	ND(230)	ND(24)	320
Fluorene	8,900	µg/kg	ND(22)	ND(24)	ND(24)	ND(240)	ND(230)	ND(230)	ND(230)	ND(27)	ND(230)	ND(24)	ND(120)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(22)	ND(24)	ND(24)	ND(240)	ND(230)	ND(230)	ND(230)	ND(27)	ND(230)	ND(24)	ND(120)
Naphthalene	1,300	µg/kg	ND(22)	ND(24)	ND(24)	ND(240)	ND(230)	ND(230)	ND(230)	ND(27)	ND(230)	ND(24)	ND(120)
Phenanthrene	11,000	µg/kg	ND(22)	ND(24)	ND(24)	ND(240)	ND(230)	ND(230)	ND(230)	ND(27)	ND(230)	ND(24)	180
Pyrene	85,000	µg/kg	ND(22)	ND(24)	61	ND(240)	ND(230)	ND(230)	490	ND(27)	380	ND(24)	310

NOTES:

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the detection and reporting limits

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ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S259-0"	S260-0"	S261-0"	S262-0"	S263-0"	S264-0"	S264-12"	S265-6"	S266-0"	S267-0"	S268-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			01/31/08	01/03/08	12/21/07	12/13/07	02/01/08	01/03/08	01/03/08	01/20/09	12/14/07	01/04/08	01/02/08
Location ID:	CSL	Unit	S259	S260	S261	S262	S263	S264	S264	S265	S266	S267	S268
1-Methylnaphthalene	22,000	µg/kg	ND(230)	ND(21)	ND(100)	ND(110)	ND(120)	ND(110)	ND(120)	ND(47)	ND(24)	ND(220)	ND(120)
2-Methylnaphthalene	250	µg/kg	ND(230)	ND(21)	ND(100)	ND(110)	ND(120)	ND(110)	ND(120)	ND(47)	51	ND(220)	ND(120)
Acenaphthene	16,000	µg/kg	ND(230)	ND(21)	ND(100)	ND(110)	ND(120)	ND(110)	ND(120)	ND(47)	ND(24)	250	ND(120)
Acenaphthylene	13,000	µg/kg	ND(230)	ND(21)	ND(100)	ND(110)	ND(120)	ND(110)	ND(120)	ND(47)	ND(24)	ND(220)	ND(120)
Anthracene	2,800	µg/kg	ND(230)	ND(21)	ND(100)	ND(110)	ND(120)	ND(110)	ND(120)	ND(47)	ND(24)	310	ND(120)
Benzo(a)anthracene	150	µg/kg	**660**	ND(21)	ND(100)	ND(110)	ND(120)	ND(110)	ND(120)	ND(47)	ND(24)	**360**	ND(120)
Benzo(a)pyrene	15	µg/kg	**640**	ND(21)	ND(100)	ND(110)	ND(120)	ND(110)	**230**	ND(47)	ND(24)	**320**	ND(120)
Benzo(b)fluoranthene	150	µg/kg	**660**	ND(21)	ND(100)	140	ND(120)	ND(110)	ND(120)	ND(47)	ND(24)	**310**	ND(120)
Benzo(ghi)perylene	27,000	µg/kg	410	ND(21)	ND(100)	ND(110)	130	ND(110)	210	100	ND(24)	290	ND(120)
Benzo(k)fluoranthene	380	µg/kg	**620**	ND(21)	ND(100)	ND(110)	ND(120)	ND(110)	ND(120)	ND(47)	ND(24)	320	ND(120)
Chrysene	15,000	µg/kg	870	ND(21)	ND(100)	220	ND(120)	ND(110)	420	130	ND(24)	430	ND(120)
Dibenzo(a,h)anthracene	15	µg/kg	ND(230)	ND(21)	ND(100)	ND(110)	ND(120)	ND(110)	ND(120)	ND(47)	ND(24)	**330**	ND(120)
Fluoranthene	40,000	µg/kg	1,200	ND(21)	ND(100)	220	ND(120)	ND(110)	ND(120)	ND(47)	ND(24)	370	ND(120)
Fluorene	8,900	µg/kg	ND(230)	ND(21)	ND(100)	ND(110)	ND(120)	ND(110)	ND(120)	ND(47)	ND(24)	280	ND(120)
Indeno(1,2,3-cd)pyrene	150	µg/kg	**380**	ND(21)	ND(100)	ND(110)	140	ND(110)	ND(120)	ND(47)	ND(24)	**380**	ND(120)
Naphthalene	1,300	µg/kg	ND(230)	ND(21)	ND(100)	ND(110)	ND(120)	ND(110)	ND(120)	ND(47)	ND(24)	ND(220)	ND(120)
Phenanthrene	11,000	µg/kg	630	ND(21)	ND(100)	240	ND(120)	ND(110)	ND(120)	67	ND(24)	340	ND(120)
Pyrene	85,000	µg/kg	2,400	ND(21)	ND(100)	320	ND(120)	ND(110)	150	ND(47)	ND(24)	370	ND(120)

NOTES:

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µg/kg = micrograms per kilogram

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PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S268-12"	S269-0"	S270-0"	S271-0"	S272-0"	S273-0"	S274-0"	S274-12"	S275-0"	S275-12"	S276-0"
Depth (feet bgs):			1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5
Date Collected:			01/02/08	12/04/07	12/17/07	01/04/08	11/28/07	11/28/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07
Location ID:	CSL	Unit	S268	S269	S270	S271	S272	S273	S274	S274	S275	S275	S276
1-Methylnaphthalene	22,000	µg/kg	ND(120)	ND(44)	ND(110)	ND(230)	ND(21)	ND(21)	2,500	ND(23)	1,800	96	ND(110)
2-Methylnaphthalene	250	µg/kg	ND(120)	ND(44)	ND(110)	ND(230)	ND(21)	ND(21)	**3,000**	ND(23)	**1,800**	ND(23)	ND(110)
Acenaphthene	16,000	µg/kg	ND(120)	ND(44)	ND(110)	ND(230)	ND(21)	ND(21)	ND(110)	ND(23)	690	430	ND(110)
Acenaphthylene	13,000	µg/kg	ND(120)	ND(44)	ND(110)	ND(230)	ND(21)	ND(21)	ND(110)	ND(23)	330	140	ND(110)
Anthracene	2,800	µg/kg	ND(120)	ND(44)	ND(110)	430	ND(21)	ND(21)	ND(110)	ND(23)	ND(230)	ND(23)	ND(110)
Benzo(a)anthracene	150	µg/kg	ND(120)	ND(44)	ND(110)	**1,600**	ND(21)	ND(21)	ND(110)	ND(23)	ND(230)	ND(23)	ND(110)
Benzo(a)pyrene	15	µg/kg	ND(120)	ND(44)	ND(110)	**2,000**	ND(21)	ND(21)	ND(110)	ND(23)	ND(230)	ND(23)	ND(110)
Benzo(b)fluoranthene	150	µg/kg	ND(120)	ND(44)	110	**1,700**	ND(21)	ND(21)	ND(110)	ND(23)	ND(230)	ND(23)	ND(110)
Benzo(ghi)perylene	27,000	µg/kg	ND(120)	ND(44)	ND(110)	1,100	ND(21)	ND(21)	ND(110)	ND(23)	ND(230)	ND(23)	ND(110)
Benzo(k)fluoranthene	380	µg/kg	ND(120)	ND(44)	ND(110)	**1,700**	ND(21)	ND(21)	ND(110)	ND(23)	ND(230)	ND(23)	ND(110)
Chrysene	15,000	µg/kg	ND(120)	57	460	2,900	23	29	ND(110)	ND(23)	ND(230)	ND(23)	140
Dibenzo(a,h)anthracene	15	µg/kg	ND(120)	ND(44)	ND(110)	**500**	ND(21)	ND(21)	ND(110)	ND(23)	ND(230)	ND(23)	ND(110)
Fluoranthene	40,000	µg/kg	ND(120)	ND(44)	310	1,900	40	ND(21)	ND(110)	ND(23)	ND(230)	ND(23)	ND(110)
Fluorene	8,900	µg/kg	ND(120)	ND(44)	ND(110)	250	ND(21)	ND(21)	ND(110)	ND(23)	1,000	520	ND(110)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(120)	ND(44)	ND(110)	**1,400**	ND(21)	ND(21)	ND(110)	ND(23)	ND(230)	ND(23)	ND(110)
Naphthalene	1,300	µg/kg	ND(120)	ND(44)	ND(110)	ND(230)	ND(21)	ND(21)	1,100	ND(23)	400	66	ND(110)
Phenanthrene	11,000	µg/kg	ND(120)	ND(44)	180	1,000	22	ND(21)	ND(110)	ND(23)	580	190	ND(110)
Pyrene	85,000	µg/kg	ND(120)	ND(44)	580	1,700	44	36	ND(110)	ND(23)	ND(230)	240	120

NOTES:

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TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S277-0" 0 - 0.5 01/31/08 S277	S278-0" 0 - 0.5 01/31/08 S278	S279-0" 0 - 0.5 12/20/07 S279	S279-12" 1 - 1.5 12/20/07 S279	S280-0" 0 - 0.5 01/03/08 S280	S281-0" 0 - 0.5 02/01/08 S281	S282-6" 0.5 - 1 01/20/09 S282	S282-12" 1 - 1.5 01/20/09 S282	S283-0" 0 - 0.5 01/29/08 S283	S284-0" 0 - 0.5 01/29/08 S284	S284-12" 1 - 1.5 01/30/08 S284
1-Methylnaphthalene	22,000	µg/kg	ND(260)	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	ND(220)	ND(210)	ND(230)	ND(210)	ND(220)
2-Methylnaphthalene	250	µg/kg	ND(260)	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	ND(220)	ND(210)	ND(230)	ND(210)	ND(220)
Acenaphthene	16,000	µg/kg	ND(260)	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	ND(220)	ND(210)	ND(230)	ND(210)	ND(220)
Acenaphthylene	13,000	µg/kg	ND(260)	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	ND(220)	ND(210)	ND(230)	ND(210)	ND(220)
Anthracene	2,800	µg/kg	ND(260)	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	ND(220)	ND(210)	ND(230)	ND(210)	ND(220)
Benzo(a)anthracene	150	µg/kg	ND(260)	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	**450**	**480**	ND(230)	ND(210)	**390**
Benzo(a)pyrene	15	µg/kg	ND(260)	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	**560**	**650**	ND(230)	ND(210)	**310**
Benzo(b)fluoranthene	150	µg/kg	ND(260)	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	**460**	**530**	ND(230)	ND(210)	**300**
Benzo(ghi)perylene	27,000	µg/kg	ND(260)	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	310	400	ND(230)	ND(210)	ND(220)
Benzo(k)fluoranthene	380	µg/kg	ND(260)	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	**620**	**740**	ND(230)	ND(210)	320
Chrysene	15,000	µg/kg	ND(260)	ND(24)	33	ND(23)	ND(110)	ND(230)	610	670	ND(230)	ND(210)	490
Dibenzo(a,h)anthracene	15	µg/kg	ND(260)	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	ND(220)	ND(210)	ND(230)	ND(210)	ND(220)
Fluoranthene	40,000	µg/kg	ND(260)	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	1,000	1,100	ND(230)	ND(210)	750
Fluorene	8,900	µg/kg	ND(260)	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	ND(220)	ND(210)	ND(230)	ND(210)	ND(220)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(260)	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	**330**	**430**	ND(230)	ND(210)	ND(220)
Naphthalene	1,300	µg/kg	ND(260)	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	ND(220)	ND(210)	ND(230)	ND(210)	ND(220)
Phenanthrene	11,000	µg/kg	280	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	530	610	ND(230)	ND(210)	490
Pyrene	85,000	µg/kg	400	ND(24)	ND(24)	ND(23)	ND(110)	ND(230)	1,000	1,200	ND(230)	ND(210)	1,100

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

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D =The analyte concentration was reported from analysis o

ID = iden ification

J = estimated concentration between
the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S285-0"	S286-0"	S287-0"	S287-12"	S288-0"	S289-0"	S290-0"	S291-0"	S292-6"	S293-0"	S293-24"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	2 - 2.5
Date Collected:			11/28/07	11/26/07	11/26/07	11/26/07	11/26/07	11/26/07	11/26/07	01/07/08	01/19/09	11/26/07	11/26/07
Location ID:	CSL	Unit	S285	S286	S287	S287	S288	S289	S290	S291	S292	S293	S293
1-Methylnaphthalene	22,000	µg/kg	ND(110)	400	400	300	120	ND(22)	ND(21)	ND(230)	6,600	1,200	ND(22)
2-Methylnaphthalene	250	µg/kg	ND(110)	**970**	**1,000**	**580**	**310**	ND(22)	ND(21)	ND(230)	ND(2,200)	**940**	41
Acenaphthene	16,000	µg/kg	ND(110)	400	440	ND(220)	ND(110)	ND(22)	ND(21)	ND(230)	6,500	400	25
Acenaphthylene	13,000	µg/kg	ND(110)	ND(220)	ND(220)	ND(220)	ND(110)	ND(22)	ND(21)	ND(230)	ND(2,200)	220	ND(22)
Anthracene	2,800	µg/kg	ND(110)	ND(220)	ND(220)	ND(220)	ND(110)	ND(22)	ND(21)	ND(230)	2,200	1,900 J	ND(22)
Benzo(a)anthracene	150	µg/kg	130	**250**	ND(220)	ND(220)	ND(110)	58	44 J	ND(230)	**6,200**	**500 J**	ND(22)
Benzo(a)pyrene	15	µg/kg	ND(110)	**310**	ND(220)	ND(220)	ND(110)	**51**	**100 J**	ND(230)	ND(2,200)	ND(220)	ND(22)
Benzo(b)fluoranthene	150	µg/kg	ND(110)	**260**	ND(220)	ND(220)	ND(110)	46	79 J	ND(230)	ND(2,200)	**220 J**	ND(22)
Benzo(ghi)perylene	27,000	µg/kg	ND(110)	290	ND(220)	ND(220)	ND(110)	22	62 J	ND(230)	ND(2,200)	ND(220)	ND(22)
Benzo(k)fluoranthene	380	µg/kg	ND(110)	ND(220)	ND(220)	ND(220)	ND(110)	27	80 J	ND(230)	ND(2,200)	ND(220)	ND(22)
Chrysene	15,000	µg/kg	450	810	290 J	ND(220)	ND(110)	160	80 J	ND(230)	9,200	900 J	ND(22)
Dibenzo(a,h)anthracene	15	µg/kg	ND(110)	ND(220)	ND(220)	ND(220)	ND(110)	ND(22)	ND(21)	ND(230)	ND(2,200)	ND(220)	ND(22)
Fluoranthene	40,000	µg/kg	ND(110)	250	ND(220)	ND(220)	ND(110)	29	ND(21)	ND(230)	3,800	ND(220)	ND(22)
Fluorene	8,900	µg/kg	ND(110)	330	340	ND(220)	ND(110)	ND(22)	ND(21)	ND(230)	3,200	860	25
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(110)	ND(220)	ND(220)	ND(220)	ND(110)	ND(22)	51 J	ND(230)	ND(2,200)	ND(220)	ND(22)
Naphthalene	1,300	µg/kg	ND(110)	**4,600**	**3,500**	**5,600**	**2,600**	ND(22)	ND(21)	ND(230)	ND(2,200)	**1,400 J**	77
Phenanthrene	11,000	µg/kg	110	680	570 J	280	ND(110)	41	ND(21)	ND(230)	8,400	1,900 J	47
Pyrene	85,000	µg/kg	180	560	330 J	ND(220)	ND(110)	98	73 J	ND(230)	19,000	950 J	ND(22)

NOTES:

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the detec ion and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at repor ing limit shown

PAH = polycyclic aromatic hydrocarbon

TABLE 14
PAH CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S294-0" 0 - 0.5 11/26/07 S294	S295-6" 0.5 - 1 11/26/07 S295	S296-0" 0 - 0.5 11/28/07 S296	S296-18" 1.5 - 2 11/28/07 S296	S297-6" 0.5 - 1 01/20/09 S297	S297-12" 1 - 1.5 01/20/09 S297	S298-0 0 - 0.5 12/04/07 S298
1-Methylnaphthalene	22,000	µg/kg	ND(110)	1,900	54	ND(120)	ND(26)	ND(26)	**250,000**
2-Methylnaphthalene	250	µg/kg	ND(110)	**2,500**	64	ND(120)	ND(26)	ND(26)	**320,000**
Acenaphthene	16,000	µg/kg	ND(110)	140	ND(23)	ND(120)	ND(26)	ND(26)	**48,000**
Acenaphthylene	13,000	µg/kg	ND(110)	ND(110)	ND(23)	ND(120)	ND(26)	ND(26)	ND(22,000)
Anthracene	2,800	µg/kg	ND(110)	ND(110)	ND(23)	ND(120)	ND(26)	ND(26)	ND(22,000)
Benzo(a)anthracene	150	µg/kg	ND(110)	150 J	ND(23)	ND(120)	ND(26)	ND(26)	ND(22,000)
Benzo(a)pyrene	15	µg/kg	ND(110)	ND(110)	ND(23)	ND(120)	ND(26)	ND(26)	ND(22,000)
Benzo(b)fluoranthene	150	µg/kg	ND(110)	ND(110)	ND(23)	ND(120)	ND(26)	ND(26)	ND(22,000)
Benzo(ghi)perylene	27,000	µg/kg	ND(110)	ND(110)	ND(23)	ND(120)	27	ND(26)	ND(22,000)
Benzo(k)fluoranthene	380	µg/kg	ND(110)	ND(110)	ND(23)	ND(120)	ND(26)	ND(26)	ND(22,000)
Chrysene	15,000	µg/kg	250	360 J	ND(23)	ND(120)	ND(26)	ND(26)	ND(22,000)
Dibenzo(a,h)anthracene	15	µg/kg	ND(110)	ND(110)	ND(23)	ND(120)	ND(26)	ND(26)	ND(22,000)
Fluoranthene	40,000	µg/kg	ND(110)	ND(110)	ND(23)	ND(120)	ND(26)	ND(26)	ND(22,000)
Fluorene	8,900	µg/kg	ND(110)	590	33	ND(120)	ND(26)	ND(26)	**52,000**
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(110)	ND(110)	ND(23)	ND(120)	ND(26)	ND(26)	ND(22,000)
Naphthalene	1,300	µg/kg	ND(110)	860	74	230	ND(26)	ND(26)	**27,000**
Phenanthrene	11,000	µg/kg	120	960 J	ND(23)	ND(120)	ND(26)	ND(26)	**190,000**
Pyrene	85,000	µg/kg	230	330 J	36	ND(120)	ND(26)	ND(26)	26,000

NOTES:

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he detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

TABLE 15
METAL DETECTION FREQUENCY IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte	Depth (feet bgs)	Minimum Detection (mg/kg)	Maximum Detection (mg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
Antimony	0-1	0.873	14.2	40	286	14.0
	1-2	0.86	3.59	10	73	13.7
Arsenic	0-1	1.07	40.9	278	286	97.2
	1-2	0.874	19.6	70	73	95.9
Barium	0-1	31.9	1,800	286	286	100.0
	1-2	67	850	73	73	100.0
Beryllium	0-1	0.269	4.6	270	286	94.4
	1-2	0.278	1.43	69	73	94.5
Cadmium	0-1	0.591	11.9	42	286	14.7
	1-2	0.829	1.55	6	73	8.2
Chromium	0-1	4.47	2,690	286	286	100.0
	1-2	5.37	941	73	73	100.0
Chromium, hexavalent	0-1	0.13	2.8	7	7	100.0
	1-2	0.18	0.83	2	2	100.0
Cobalt	0-1	3.76	71.5	286	286	100.0
	1-2	1.07	23.9	73	73	100.0
Copper	0-1	6.22	3,420	286	286	100.0
	1-2	10.5	877	73	73	100.0
Lead	0-1	3.01	25,700	286	286	100.0
	1-2	3.1	47,300	73	73	100.0
Mercury	0-1	0.092	132	168	286	58.7
	1-2	0.097	53.5	33	73	45.2
Molybdenum	0-1	0.271	112	174	286	60.8
	1-2	0.273	46.2	20	73	27.4
Nickel	0-1	4.77	3,620	286	286	100.0
	1-2	2.66	72	73	73	100.0
Selenium	0-1	0.785	13.4	42	286	14.7
	1-2	0.898	6.82	12	73	16.4
Silver	0-1	2.49	2.49	1	286	0.3
	1-2	0.933	0.933	1	73	1.4
Thallium	0-1	0.841	0.841	1	286	0.3
	1-2	--	--	0	73	0.0
Vanadium	0-1	12.8	152	286	286	100.0
	1-2	5.48	293	73	73	100.0
Zinc	0-1	20.8	8,250	286	286	100.0
	1-2	25.8	760	73	73	100.0

NOTES:
bgs = below ground surface
mg/kg = milligrams per kilogram

TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S001-0"	S002-0"	S003ALT-0"	S004-0"	S004-12"	S005-0"	S006-0"	S006-12"	S007-0"	S008-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
Date Collected:			12/04/07	12/04/07	12/20/07	01/04/08	01/04/08	12/18/07	12/17/07	12/17/07	12/17/07	12/17/07
Location ID:	CSL	Unit	S001	S002	S003ALT	S004	S004	S005	S006	S006	S007	S008
Antimony	6	mg/kg	ND(0.841)	ND(0.792)	2.72	ND(0.832)	ND(0.866)	ND(0.853)	ND(0.797)	ND(0.803)	ND(0.829)	ND(0.799)
Arsenic	13	mg/kg	6.3	8.56	7.3	3.14	3.87	6.41	4.72	3.15	11.6	6.03
Barium	750	mg/kg	159	165	159	126	151	117	144	145	126	169
Beryllium	4	mg/kg	0.531	0.466	0.52	0.488	0.597	0.439	0.479	0.45	ND(0.276)	0.537
Cadmium	1.7	mg/kg	ND(0.561)	ND(0.528)	ND(0.539)	ND(0.555)	ND(0.577)	ND(0.569)	0.812	ND(0.536)	ND(0.553)	ND(0.533)
Chromium	50	mg/kg	39	27.8	**68.6**	18.5	21.9	26.3	22.8	17	46.9	**50.2**
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	9.54	9.34	10.4	10.3	11.5	10.2	9.82	9.78	10.9	9.24
Copper	230	mg/kg	34	71.3	111	21.6	22.5	69.1	32.2	20.4	45.4	34.3
Lead	15	mg/kg	**100**	**58.1**	**63.9**	10.6	7.42	**221**	**122**	**21.3**	**182**	**59.7**
Mercury	1.3	mg/kg	0.618	0.6	0.905	ND(0.0927)	ND(0.0964)	0.557	ND(0.0887)	ND(0.0894)	0.152	0.215
Molybdenum	40	mg/kg	1.88	1.2	1.93	ND(0.277)	ND(0.289)	0.371	ND(0.266)	ND(0.268)	4.93	3.03
Nickel	100	mg/kg	18.2	16.5	20.5	14.8	17.7	18.7	17.9	14.8	19.8	18.4
Selenium	10	mg/kg	ND(0.841)	ND(0.792)	ND(0.808)	ND(0.832)	ND(0.866)	ND(0.853)	ND(0.797)	ND(0.803)	1.22	ND(0.799)
Silver	20	mg/kg	ND(0.28)	ND(0.264)	ND(0.269)	ND(0.277)	ND(0.289)	ND(0.284)	ND(0.266)	ND(0.268)	ND(0.276)	ND(0.266)
Thallium	1.3	mg/kg	ND(0.841)	ND(0.792)	ND(0.808)	ND(0.832)	ND(0.866)	ND(0.853)	ND(0.797)	ND(0.803)	ND(0.829)	ND(0.799)
Vanadium	16	mg/kg	**36.1**	**33.9**	**39.7**	**33.3**	**39.1**	**33.9**	**33.8**	**30.6**	**22.3**	**39**
Zinc	600	mg/kg	118	130	197	55.4	51	132	197	70.8	204	91.7

NOTES:

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ID = identification

J = estimated concentration between
the detection and reporting limits

mg/kg = milligrams per kilogram

μg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at reporting limit shown

TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S009-0"	S009-12"	S010-6"	S011-0"	S011-12"	S012B-0"	S013-0"	S014-0"	S015-0"	S016B-0"
Depth (feet bgs):			0 - 0.5	1 - 1.5	0.5 - 1	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			12/17/07	12/17/07	01/19/09	12/17/07	12/17/07	12/18/07	01/04/08	12/04/07	12/04/07	01/02/08
Location ID:	CSL	Unit	S009	S009	S010	S011	S011	S012	S013	S014	S015	S016
Antimony	6	mg/kg	ND(0.774)	ND(0.828)	ND(0.839)	ND(0.89)	ND(0.846)	ND(0.774)	ND(0.833)	ND(0.989)	ND(0.802)	ND(0.811)
Arsenic	13	mg/kg	5.07	6.92	11.9	6.05	4.46	5.21	5.1	7.38	5.84	3.3
Barium	750	mg/kg	221	214	132	157	165	87.1	141	245	140	155
Beryllium	4	mg/kg	0.49	0.8	0.47	0.463	0.427	0.285	0.545	0.679	0.44	0.566
Cadmium	1.7	mg/kg	ND(0.516)	ND(0.552)	ND(0.559)	1.66	ND(0.564)	ND(0.516)	ND(0.556)	ND(0.66)	ND(0.535)	ND(0.541)
Chromium	50	mg/kg	20.9	38.4	17.2	**61**	42.8	34.3	49	31.9	24.9	30.8
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	11.5	14.2	7.15	13.5	9.89	6.29	10.6	11.8	8.99	11.5
Copper	230	mg/kg	33.3	35.8	29.3	50.3	46.3	29.9	43.2	36.7	34.7	84.5
Lead	15	mg/kg	**27**	**53.5**	12.7	**3,810**	**1,450**	**87.8**	**50.6**	**66.9**	**120**	**126**
Mercury	1.3	mg/kg	0.092	0.156	ND(0.0934)	0.553	0.22	0.107	0.434	0.118	0.126	0.149
Molybdenum	40	mg/kg	1.16	ND(0.276)	0.637	ND(0.297)	ND(0.282)	ND(0.258)	ND(0.278)	1.04	3.87	ND(0.27)
Nickel	100	mg/kg	16.3	22.5	12.1	22.2	25	10.4	16.8	20.7	20.1	27.4
Selenium	10	mg/kg	ND(0.774)	ND(0.828)	ND(0.839)	ND(0.89)	ND(0.846)	ND(0.774)	ND(0.833)	ND(0.989)	ND(0.802)	ND(0.811)
Silver	20	mg/kg	ND(0.258)	ND(0.276)	ND(0.28)	ND(0.297)	ND(0.282)	ND(0.258)	ND(0.278)	ND(0.33)	ND(0.267)	ND(0.27)
Thallium	1.3	mg/kg	ND(0.774)	ND(0.828)	ND(0.839)	ND(0.89)	ND(0.846)	ND(0.774)	ND(0.833)	ND(0.989)	ND(0.802)	ND(0.811)
Vanadium	16	mg/kg	**42.1**	**51.3**	**33.4**	**35.4**	**36.7**	**21.3**	**37.2**	**45.6**	**36.1**	**42.7**
Zinc	600	mg/kg	115	90.2	60.8	177	119	74.2	90.1	118	123	85.3

NOTES:

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S016B-12" 1 - 1.5 01/02/08 S016	S017-0" 0 - 0.5 12/04/07 S017	S018-0" 0 - 0.5 12/20/07 S018	S019-0" 0 - 0.5 12/18/07 S019	S020-0" 0 - 0.5 12/18/07 S020	S020-12" 1 - 1.5 12/18/07 S020	S021-6" 0.5 - 1 01/19/09 S021	S022-0" 0 - 0.5 12/17/07 S022	S023-0" 0 - 0.5 12/17/07 S023	S024-0" 0 - 0.5 12/17/07 S024
Antimony	6	mg/kg	1.02	ND(0.899)	1.02	**13.4**	ND(0.857)	1.11	ND(0.806)	ND(0.806)	ND(0.793)	ND(0.847)
Arsenic	13	mg/kg	3.47	8	4.25	9.11	6.6	6	8.39	5.75	5.82	6.82
Barium	750	mg/kg	165	221	121	151	562	151	115	201	187	204
Beryllium	4	mg/kg	0.606	0.723	0.534	0.321	0.596	0.691	0.431	0.66	0.613	0.805
Cadmium	1.7	mg/kg	ND(0.566)	0.839	0.8	0.761	1.22	1.19	ND(0.538)	ND(0.537)	ND(0.529)	ND(0.564)
Chromium	50	mg/kg	21.9	**65.6**	**93.4**	**225**	42.6	34.2	17.8	28.3	25.4	29.9
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	12.6	12.9	10.6	7.31	12.8	13.9	7.44	11.9	12.1	14.9
Copper	230	mg/kg	20.7	47.8	153	**401**	45.2	36.8	27.9	44.5	34.4	31
Lead	15	mg/kg	10.1	**100**	**88.2**	**134**	**63.7**	**46.5**	13.7	**106**	**89.3**	**19.9**
Mercury	1.3	mg/kg	ND(0.0945)	1.21	0.76	**132**	0.169	ND(0.0948)	0.217	ND(0.0897)	ND(0.0883)	ND(0.0942)
Molybdenum	40	mg/kg	ND(0.283)	0.91	3.08	11.6	0.631	ND(0.284)	0.856	0.377	ND(0.264)	ND(0.282)
Nickel	100	mg/kg	17.3	29.9	19.4	13	25.6	22	13.5	21.9	19.9	22.7
Selenium	10	mg/kg	ND(0.848)	ND(0.899)	ND(0.849)	ND(0.827)	ND(0.857)	ND(0.851)	ND(0.806)	ND(0.806)	ND(0.793)	ND(0.847)
Silver	20	mg/kg	ND(0.283)	ND(0.3)	ND(0.283)	ND(0.276)	ND(0.286)	ND(0.284)	ND(0.269)	ND(0.269)	ND(0.264)	ND(0.282)
Thallium	1.3	mg/kg	ND(0.848)	ND(0.899)	ND(0.849)	ND(0.827)	ND(0.857)	ND(0.851)	ND(0.806)	ND(0.806)	ND(0.793)	ND(0.847)
Vanadium	16	mg/kg	**39.3**	**48.9**	**39.3**	**36.9**	**43.3**	**45.8**	**32.4**	**44.9**	**42.3**	**54.2**
Zinc	600	mg/kg	59.6	180	**8,250**	288	194	230	72.8	108	120	89.3

NOTES:

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bgs = below ground surface

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ID = identifica ion

J = estimated concentration between
the detec ion and reporting limits

mg/kg = milligrams per kilogram

μg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at repor ing limit shown

TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S025-0"	S025-12"	S026-0"	S026-12"	S027-0"	S028-0"	S029-0"	S029-18"	S030-12"	S031-0"
Depth (feet bgs):			0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1.5 - 2	1 - 1.5	0 - 0.5
Date Collected:			12/18/07	12/18/07	12/18/07	12/18/07	12/20/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07
Location ID:	CSL	Unit	S025	S025	S026	S026	S027	S028	S029	S029	S030	S031
Antimony	6	mg/kg	ND(0.82)	ND(0.833)	ND(0.879)	ND(0.863)	1.01	ND(0.798)	ND(0.822)	ND(0.855)	ND(0.845)	2.1
Arsenic	13	mg/kg	**19.1**	6.46	9.83	**19.6**	10.8	1.33	3.46	3.63	5.43	4.65
Barium	750	mg/kg	239	130	102	128	218	47	262	67	158	160
Beryllium	4	mg/kg	0.383	1.43	0.389	0.442	0.276	ND(0.266)	ND(0.274)	0.376	0.532	0.4
Cadmium	1.7	mg/kg	0.6	1.24	1.25	0.829	0.645	**2.22**	ND(0.548)	ND(0.57)	ND(0.563)	ND(0.551)
Chromium	50	mg/kg	27.1	22.3	**521**	**941**	**99.4**	15.8	**52.4**	19.4	27.1	27.3
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	17.9	14	9.22	10.8	9.53	6.81	4.88	5.75	9.15	7.7
Copper	230	mg/kg	61.8	50.1	**439**	**877**	**369**	13	36.3	10.5	41.6	39.3
Lead	15	mg/kg	**62.8**	**58.7**	**185**	**228**	**63.5**	**32**	**125**	**15.7**	**129**	**157**
Mercury	1.3	mg/kg	0.19	0.127	**27.6**	**53.5**	**2.82**	0.362	0.33	ND(0.0952)	0.12	0.47
Molybdenum	40	mg/kg	1.17	0.801	0.875	0.866	0.279	ND(0.266)	5.5	ND(0.285)	ND(0.282)	1.18
Nickel	100	mg/kg	21.9	71.5	26.4	28.9	14.6	15.7	11.6	7.64	17.5	13.7
Selenium	10	mg/kg	ND(0.82)	ND(0.833)	ND(0.879)	ND(0.863)	ND(0.818)	ND(0.798)	1.39	ND(0.855)	ND(0.845)	ND(0.827)
Silver	20	mg/kg	ND(0.273)	ND(0.278)	ND(0.293)	ND(0.288)	ND(0.273)	ND(0.266)	ND(0.274)	ND(0.285)	ND(0.282)	ND(0.276)
Thallium	1.3	mg/kg	ND(0.82)	ND(0.833)	ND(0.879)	ND(0.863)	ND(0.818)	0.841	ND(0.822)	ND(0.855)	ND(0.845)	ND(0.827)
Vanadium	16	mg/kg	**48.4**	**293**	**34.4**	**39.3**	**26.4**	**22.7**	**22.9**	**28.6**	**41.4**	**28.4**
Zinc	600	mg/kg	225	132	494	534	329	**679**	136	36.5	109	113

NOTES:

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he detection and reporting limits

mg/kg = milligrams per kilogram

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ND = analyte not detected at repor ing limit shown

TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S032-0"	S033-0"	S034-0"	S035-0"	S036-0"	S037-0"	S037-20"	S038-0"	S039-0"	S039-12"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1.67 - 2.167	0 - 0.5	0 - 0.5	1 - 1.5
Date Collected:			12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/04/07	12/20/07	01/02/08	01/02/08
Location ID:	CSL	Unit	S032	S033	S034	S035	S036	S037	S037	S038	S039	S039
Antimony	6	mg/kg	ND(0.818)	ND(0.778)	ND(0.805)	ND(0.852)	ND(0.877)	ND(1.19)	ND(0.951)	4.31	ND(0.841)	ND(0.847)
Arsenic	13	mg/kg	7.72	5.63	9.67	5.54	10.4	**18.8**	9.72	5.76	10.9	4.39
Barium	750	mg/kg	147	131	189	347	**1,800**	258	145	165	191	192
Beryllium	4	mg/kg	0.595	0.459	0.611	0.374	0.404	0.732	0.545	0.551	0.606	0.544
Cadmium	1.7	mg/kg	ND(0.545)	ND(0.519)	ND(0.536)	ND(0.568)	0.803	**3.33**	1.38	**3.93**	**2.31**	ND(0.564)
Chromium	50	mg/kg	36.9	21.8	**70**	34.2	**196**	**612**	**98.8**	**88.8**	**2,690**	**56.8**
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	10.4	8.87	12.2	8.71	11.9	**71.5**	**23.9**	10.3	12.7	10.6
Copper	230	mg/kg	137	35.5	50.5	53.6	130	**1,370**	105	**314**	**236**	146
Lead	15	mg/kg	**466**	**98.7**	**1,350**	**438**	**478**	**25,700**	**47,300**	**388**	**220**	**54.5**
Mercury	1.3	mg/kg	0.199	0.135	0.294	0.412	**2.22**	**1.31**	1.02	**4.7**	**25.2**	0.601
Molybdenum	40	mg/kg	5.53	0.378	0.45	1.15	9.73	3.9	ND(0.317)	5.72	**67.9**	0.341
Nickel	100	mg/kg	19.6	19.5	22.5	19.5	18.3	41.3	19.1	25.5	64.4	21.8
Selenium	10	mg/kg	ND(0.818)	ND(0.778)	ND(0.805)	ND(0.852)	ND(0.877)	1.95	ND(0.951)	ND(0.88)	ND(0.841)	ND(0.847)
Silver	20	mg/kg	ND(0.273)	ND(0.259)	ND(0.268)	ND(0.284)	ND(0.292)	ND(0.397)	ND(0.317)	ND(0.293)	ND(0.28)	ND(0.282)
Thallium	1.3	mg/kg	ND(0.818)	ND(0.778)	ND(0.805)	ND(0.852)	ND(0.877)	ND(1.19)	ND(0.951)	ND(0.88)	ND(0.841)	ND(0.847)
Vanadium	16	mg/kg	**34.5**	**38.3**	**40.9**	**28.8**	**35.4**	**42.9**	**36.5**	**39.2**	**74.9**	**41.5**
Zinc	600	mg/kg	178	121	104	193	226	**736**	201	408	534	187

NOTES:

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S040-0" 0 - 0.5 12/20/07 S040	S040-12" 1 - 1.5 12/20/07 S040	S041-0" 0 - 0.5 01/30/08 S041	S042-0" 0 - 0.5 01/30/08 S042	S042-12" 1 - 1.5 01/30/08 S042	S043-0" 0 - 0.5 01/30/08 S043	S044-0" 0 - 0.5 12/20/07 S044	S045-0" 0 - 0.5 12/20/07 S045	S046-0" 0 - 0.5 12/20/07 S046	S047-6" 0.5 - 1 01/20/09 S047
Antimony	6	mg/kg	ND(0.876)	ND(0.866)	ND(0.927)	ND(0.924)	ND(0.972)	ND(0.887)	6	**14.2**	ND(0.828)	ND(0.868)
Arsenic	13	mg/kg	**40.9**	6.6	7.08	8.52	6.2	8.92	7.11	8.96	4.83	5.26
Barium	750	mg/kg	121	166	156	211	144	152	167	189	144	148
Beryllium	4	mg/kg	0.604	0.603	0.576	0.755	0.653	0.778	0.397	0.316	0.573	0.646
Cadmium	1.7	mg/kg	1.01	ND(0.577)	ND(0.618)	ND(0.616)	ND(0.648)	ND(0.591)	ND(0.693)	0.765	ND(0.552)	ND(0.579)
Chromium	50	mg/kg	48.7	22.7	16.7	28.8	22.2	35.6	**77.9**	**205**	49.1	**134**
Chromium, Hexavalent	530	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	11.8	13.2	10.2	12	11.9	13.1	9.17	10.9	11.5	13.5
Copper	230	mg/kg	64.6	76.4	17.4	29	26.1	35.9	152	**508**	112	118
Lead	15	mg/kg	**120**	**56.5**	13.5	**120**	**20**	**34.3**	**207**	**129**	**80.4**	**653**
Mercury	1.3	mg/kg	0.293	0.357	0.112	ND(0.103)	ND(0.108)	0.422	**2.65**	1.03	**2.83**	0.319
Molybdenum	40	mg/kg	2.48	ND(0.289)	0.432	ND(0.308)	ND(0.324)	0.802	13	13.4	2.04	0.795
Nickel	100	mg/kg	56.9	29.5	20.7	22.2	21.2	24.2	18.3	28.8	21.6	35
Selenium	10	mg/kg	ND(0.876)	ND(0.866)	ND(0.927)	ND(0.924)	ND(0.972)	ND(0.887)	ND(1.04)	ND(0.863)	ND(0.828)	1.12
Silver	20	mg/kg	ND(0.292)	ND(0.289)	ND(0.309)	ND(0.308)	ND(0.324)	ND(0.296)	ND(0.346)	ND(0.288)	ND(0.276)	ND(0.289)
Thallium	1.3	mg/kg	ND(0.876)	ND(0.866)	ND(0.927)	ND(0.924)	ND(0.972)	ND(0.887)	ND(1.04)	ND(0.863)	ND(0.828)	ND(0.868)
Vanadium	16	mg/kg	**79.1**	**59**	**39**	**47.8**	**43.5**	**47.9**	**44**	**37.2**	**36.8**	**34.7**
Zinc	600	mg/kg	164	155	85.7	88	72.9	82.8	145	**860**	148	191

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S048-0" 0 - 0.5 01/07/08 S048	S049-6" 0.5 - 1 01/20/09 S049	S050-0" 0 - 0.5 12/04/07 S050	S051-0" 0 - 0.5 12/20/07 S051	S052-0" 0 - 0.5 12/20/07 S052	S052-12" 1 - 1.5 12/20/07 S052	S053-0" 0 - 0.5 12/20/07 S053	S053-12" 1 - 1.5 12/20/07 S053	S054-0" 0 - 0.5 01/30/08 S054	S055-0" 0 - 0.5 01/30/08 S055
Antimony	6	mg/kg	ND(0.859)	ND(0.889)	ND(0.848)	ND(0.831)	1.43	2.75	ND(0.844)	0.86	ND(0.889)	ND(0.891)
Arsenic	13	mg/kg	7.2	6.21	5.45	3.55	5.62	3.18	6.23	5.2	**13.4**	7.19
Barium	750	mg/kg	157	132	221	183	441	139	168	166	240	157
Beryllium	4	mg/kg	0.437	0.479	0.65	0.499	0.396	0.537	0.602	0.75	0.839	0.636
Cadmium	1.7	mg/kg	ND(0.573)	ND(0.592)	ND(0.566)	0.66	ND(0.577)	ND(0.581)	0.887	ND(0.565)	ND(0.592)	ND(0.594)
Chromium	50	mg/kg	**276**	41.8	26.3	**158**	45.3	**52.7**	44.1	27.3	**222**	35
Chromium, Hexavalent	530	μg/kg	130	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	10.8	9.89	14.3	9.64	11.4	10.1	12.1	14.9	**54.7**	13.3
Copper	230	mg/kg	160	66.7	26.2	107	77.6	43	85.6	26.9	**445**	38.2
Lead	15	mg/kg	**1,060**	**36.4**	**32.6**	**664**	**294**	**279**	**86.1**	9.95	**99.6**	**50.2**
Mercury	1.3	mg/kg	1.25	ND(0.0989)	ND(0.0945)	**3.47**	0.828	0.46	**1.48**	ND(0.0944)	0.789	ND(0.0992)
Molybdenum	40	mg/kg	3.21	1.78	0.455	1.05	0.966	ND(0.29)	1.86	ND(0.282)	18.1	ND(0.297)
Nickel	100	mg/kg	20.7	18.5	19.1	17.6	17.6	16.4	28.7	21.6	67.4	25.7
Selenium	10	mg/kg	ND(0.859)	ND(0.889)	ND(0.848)	ND(0.831)	ND(0.865)	ND(0.871)	3.22	ND(0.847)	ND(0.889)	ND(0.891)
Silver	20	mg/kg	ND(0.286)	ND(0.296)	ND(0.283)	ND(0.277)	ND(0.288)	ND(0.29)	ND(0.281)	ND(0.282)	ND(0.296)	ND(0.297)
Thallium	1.3	mg/kg	ND(0.859)	ND(0.889)	ND(0.848)	ND(0.831)	ND(0.865)	ND(0.871)	ND(0.844)	ND(0.847)	ND(0.889)	ND(0.891)
Vanadium	16	mg/kg	**30.7**	**32.3**	**42.1**	**31.8**	**29.8**	**35.1**	**47.4**	**49.8**	**53.4**	**43.4**
Zinc	600	mg/kg	147	101	75.9	139	246	80.5	192	66.8	377	178

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S055-12"	S056-0"	S056-12"	S057-0"	S058-0"	S059-0"	S059-12"	S060-0"	S060-18"	S061-0"
Depth (feet bgs):			1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1.5 - 2	0 - 0.5
Date Collected:			01/30/08	01/30/08	01/30/08	01/30/08	02/01/08	02/01/08	02/01/08	12/13/07	12/13/07	12/13/07
Location ID:	CSL	Unit	S055	S056	S056	S057	S058	S059	S059	S060	S060	S061
Antimony	6	mg/kg	ND(0.894)	ND(0.839)	ND(0.797)	ND(0.884)	0.873	1.65	ND(0.887)	ND(0.899)	ND(0.834)	ND(0.798)
Arsenic	13	mg/kg	7.85	7.53	6.76	7.09	6.51	3.91	5.96	7.89	3.28	5.31
Barium	750	mg/kg	166	164	125	144	151	156	168	189	117	144
Beryllium	4	mg/kg	0.835	0.478	0.372	ND(0.295)	0.513	0.474	0.651	0.595	0.496	0.517
Cadmium	1.7	mg/kg	ND(0.596)	ND(0.559)	ND(0.531)	ND(0.59)	ND(0.559)	ND(0.579)	ND(0.591)	ND(0.6)	ND(0.556)	ND(0.532)
Chromium	50	mg/kg	28.6	**71**	**95.8**	21.1	33.3	39.2	**56.6**	**51.3**	23.1	24.5
Chromium, Hexavalent	530	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	15.6	10.5	10.8	4.33	11.2	9.57	13.4	13.8	10.4	10.2
Copper	230	mg/kg	29.8	60.4	30.7	36.8	35.7	47	**556**	50.2	21.4	34.5
Lead	15	mg/kg	**16.4**	**302**	**105**	**66.5**	**48.7**	**86.8**	**103**	**58**	**16.9**	**37.8**
Mercury	1.3	mg/kg	ND(0.0995)	0.534	0.243	**4.35**	0.34	0.499	0.227	0.147	0.155	0.179
Molybdenum	40	mg/kg	ND(0.298)	2.41	1.5	9.83	0.342	0.407	0.849	1.36	ND(0.278)	1.42
Nickel	100	mg/kg	25.3	19.4	46.9	24	18.3	16.3	27.4	22.4	17	20.6
Selenium	10	mg/kg	ND(0.894)	ND(0.839)	ND(0.797)	ND(0.884)	1.52	0.873	1.25	ND(0.899)	ND(0.834)	ND(0.798)
Silver	20	mg/kg	ND(0.298)	ND(0.28)	ND(0.266)	ND(0.295)	ND(0.28)	ND(0.29)	ND(0.296)	ND(0.3)	ND(0.278)	ND(0.266)
Thallium	1.3	mg/kg	ND(0.894)	ND(0.839)	ND(0.797)	ND(0.884)	ND(0.839)	ND(0.869)	ND(0.887)	ND(0.899)	ND(0.834)	ND(0.798)
Vanadium	16	mg/kg	**52.5**	**34.8**	**29.7**	**18.4**	**38.4**	**33.9**	**42.8**	**46.2**	**36.8**	**35.6**
Zinc	600	mg/kg	77.4	132	85.1	216	80.8	129	398	82.1	50.5	86.8

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between
he detection and reporting limits

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at repor ing limit shown

TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S063-0"	S064-0"	S064-18"	S065-0"	S065-12"	S066-0"	S067-0"	S068-0"	S069-0"	S070-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	1.5 - 2	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			12/14/07	12/14/07	12/14/07	02/01/08	02/01/08	12/14/07	12/14/07	12/13/07	12/13/07	12/13/07
Location ID:	CSL	Unit	S063	S064	S064	S065	S065	S066	S067	S068	S069	S070
Antimony	6	mg/kg	ND(0.822)	ND(0.826 J)	ND(0.839)	ND(0.816)	0.897	ND(0.804)	ND(0.826)	2.51	ND(0.792)	ND(0.805)
Arsenic	13	mg/kg	5.08	6.78	7.45	6.73	5.63	5.95	8	6.33	2.22	3.72
Barium	750	mg/kg	177	135	169	118	183	147	157	117	107	121
Beryllium	4	mg/kg	0.51	0.481	0.704	0.332	0.733	0.524	0.658	0.459	ND(0.264)	0.487
Cadmium	1.7	mg/kg	ND(0.548)	ND(0.551)	ND(0.559)	**3.85**	ND(0.577)	0.591	ND(0.551)	ND(0.615)	ND(0.528)	ND(0.536)
Chromium	50	mg/kg	25.2	23.2	25.7	**72.3**	23	42.7	29.9	34.3	11	26.3
Chromium, Hexavalent	530	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	9.47	9.37	12.3	8.05	10.6	10.7	12.7	9.4	6.68	10.8
Copper	230	mg/kg	25.2	49.4 J	32.2	86.4	20.3	50.5	38.3	48.1	18.9	30.8
Lead	15	mg/kg	**26.7**	**34.4**	**23.3**	**131**	14.5	**94.2**	**62.1**	**113**	**521**	**56.7**
Mercury	1.3	mg/kg	ND(0.0916)	0.785 J	ND(0.0934)	**11.9**	1.16	0.258	0.219	**1.92**	ND(0.0882)	0.123
Molybdenum	40	mg/kg	ND(0.274)	0.459	ND(0.28)	1	ND(0.289)	1.3	0.324	ND(0.308)	ND(0.264)	0.456
Nickel	100	mg/kg	20.5	15.7	20.3	16.7	17.9	20.1	23.9	19.6	9.5	17.9
Selenium	10	mg/kg	ND(0.822)	ND(0.826)	ND(0.839)	ND(0.816)	ND(0.866)	ND(0.804)	ND(0.826)	ND(0.923)	ND(0.792)	ND(0.805)
Silver	20	mg/kg	ND(0.274)	ND(0.275)	ND(0.28)	ND(0.272)	ND(0.289)	ND(0.268)	ND(0.275)	ND(0.308)	ND(0.264)	ND(0.268)
Thallium	1.3	mg/kg	ND(0.822)	ND(0.826)	ND(0.839)	ND(0.816)	ND(0.866)	ND(0.804)	ND(0.826)	ND(0.923)	ND(0.792)	ND(0.805)
Vanadium	16	mg/kg	**34.4**	**33.3**	**46.3**	**25**	**35.2**	**37**	**44.3**	**38.8**	**22.2**	**34.3**
Zinc	600	mg/kg	71.6	80.1	59.5	194	40.8	345	91.7	47.5	48.7	88.9

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = es imated concentration between
the detection and repor ing limits

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at reporting limit shown

TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S071B-12"	S072-0"	S073-0"	S074-0"	S075-0"	S076-6"	S078-0"	S078-12"	S079-0"	S080-0"
Depth (feet bgs):			1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
Date Collected:			12/21/07	12/04/07	12/04/07	12/04/07	12/04/07	01/22/09	02/01/08	02/01/08	02/01/08	02/01/08
Location ID:	CSL	Unit	S071B	S072	S073	S074	S075	S076	S078	S078	S079	S080
Antimony	6	mg/kg	ND(0.869)	ND(0.818)	ND(0.805)	ND(0.832)	ND(0.805)	ND(0.843)	ND(0.819)	ND(0.883)	ND(0.863)	ND(0.832)
Arsenic	13	mg/kg	0.874	9.42	8.97	7.75	7.06	4.45	5.3	4.49	1.84	3.86
Barium	750	mg/kg	129	207	151	219	198	163	134	139	70.7	126
Beryllium	4	mg/kg	0.498	0.745	0.646	0.512	0.669	0.5	0.46	0.502	ND(0.288)	0.364
Cadmium	1.7	mg/kg	ND(0.579)	ND(0.545)	ND(0.536)	ND(0.555)	ND(0.536)	ND(0.562)	ND(0.546)	ND(0.589)	ND(0.575)	ND(0.555)
Chromium	50	mg/kg	18.1	32.5	30.9	46.8	33.7	22.1	22.8	21.3	4.47	18.6
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	10.1	13.7	11.7	10.6	12.2	10.4	9.97	11.2	5.56	10.6
Copper	230	mg/kg	18.5	37.6	31.8	39.1	32.2	23.1	23.6	23.6	12.2	29.4
Lead	15	mg/kg	6.83	**46.9**	**36.4**	**65.3**	**69.2**	**21.6**	**28.1**	10.9	3.34	**58.1**
Mercury	1.3	mg/kg	ND(0.0968)	0.0978	0.103	0.168	0.125	ND(0.0938)	ND(0.0912)	ND(0.0984)	ND(0.0961)	ND(0.0927)
Molybdenum	40	mg/kg	ND(0.29)	0.558	ND(0.268)	0.558	0.58	0.818	ND(0.273)	ND(0.294)	ND(0.288)	ND(0.277)
Nickel	100	mg/kg	13.5	23.7	20.3	18.6	20.3	17.6	15.8	16.8	4.77	16.6
Selenium	10	mg/kg	1.19	ND(0.818)	ND(0.805)	ND(0.832)	ND(0.805)	1.39	ND(0.819)	ND(0.883)	ND(0.863)	ND(0.832)
Silver	20	mg/kg	ND(0.29)	ND(0.273)	ND(0.268)	ND(0.277)	ND(0.268)	ND(0.281)	ND(0.273)	ND(0.294)	ND(0.288)	ND(0.277)
Thallium	1.3	mg/kg	ND(0.869)	ND(0.818)	ND(0.805)	ND(0.832)	ND(0.805)	ND(0.843)	ND(0.819)	ND(0.883)	ND(0.863)	ND(0.832)
Vanadium	16	mg/kg	**32.8**	**45.2**	**39.8**	**34.5**	**42.7**	**34**	**31**	**34.5**	14.5	**28.9**
Zinc	600	mg/kg	43	91.4	74.8	83.2	94.9	114	58.7	46.3	25.4	64.8

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

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ID = identification

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

μg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at reporting limit shown

TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S081-0"	S082-0"	S083-0"	S083-15"	S084-0"	S085-0"	S086-6"	S087-0"	S088-0"	S089-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	1.25 - 1.75	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			02/01/08	12/13/07	12/13/07	12/13/07	12/04/07	12/04/07	01/20/09	12/13/07	01/02/08	01/02/08
Location ID:	CSL	Unit	S081	S082	S083	S083	S084	S085	S086	S087	S088	S089
Antimony	6	mg/kg	1.49	ND(0.926)	ND(0.828)	ND(0.842)	ND(0.839)	ND(0.879)	ND(1.16)	ND(0.826)	ND(0.816)	ND(0.784)
Arsenic	13	mg/kg	8.49	7.61	5.83	4.6	7.48	4.52	8.67	5.02	5.63	2.33
Barium	750	mg/kg	154	186	171	182	188	**987**	115	149	178	154
Beryllium	4	mg/kg	0.464	0.694	0.599	0.43	0.49	0.341	**4.6**	0.624	0.57	ND(0.261)
Cadmium	1.7	mg/kg	ND(0.604)	ND(0.617)	ND(0.552)	ND(0.561)	ND(0.559)	0.602	0.857	ND(0.551)	ND(0.544)	ND(0.522)
Chromium	50	mg/kg	**369**	49.8	**51.1**	16.5	39	23.2	**77.7**	**73.3**	**60.5**	9.82
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	11.1	14.9	11.9	10	9.04	7.48	19.3	12.5	12.2	7.82
Copper	230	mg/kg	**252**	61	47.1	92.7	28	22.2	176	40.2	61.3	25.2
Lead	15	mg/kg	**71**	**104**	**219**	**16.6**	**101**	**172**	**57.2**	**82.9**	**82**	10.2
Mercury	1.3	mg/kg	0.135	0.293	0.584	0.105	0.191	ND(0.0979)	0.525	0.243	0.136	ND(0.0873)
Molybdenum	40	mg/kg	14.7	4.02	0.493	ND(0.281)	0.396	0.767	2.6	1.15	11	0.446
Nickel	100	mg/kg	27.1	26	42.4	18.3	18.4	13	34.8	35.3	30.9	7.62
Selenium	10	mg/kg	1.3	ND(0.926)	ND(0.828)	ND(0.842)	ND(0.839)	ND(0.879)	1.6	ND(0.826)	ND(0.816)	ND(0.784)
Silver	20	mg/kg	ND(0.302)	ND(0.309)	ND(0.276)	ND(0.281)	ND(0.28)	ND(0.293)	ND(0.387)	ND(0.275)	ND(0.272)	ND(0.261)
Thallium	1.3	mg/kg	ND(0.906)	ND(0.926)	ND(0.828)	ND(0.842)	ND(0.839)	ND(0.879)	ND(1.16)	ND(0.826)	ND(0.816)	ND(0.784)
Vanadium	16	mg/kg	**31.8**	**47.1**	**42.2**	**32.8**	**37.8**	**24.3**	**152**	**43.5**	**39.8**	**24.1**
Zinc	600	mg/kg	524	183	145	71.6	146	144	217	114	118	72.9

NOTES:

Detections exceeding CSLs are bolded and shaded.

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the detection and reporting limits

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S090-0" 0 - 0.5 12/13/07 S090	S090-18" 1.5 - 2 12/13/07 S090	S091-0" 0 - 0.5 02/01/08 S091	S092-0" 0 - 0.5 12/13/07 S092	S093-0" 0 - 0.5 12/04/07 S093	S094-0" 0 - 0.5 12/04/07 S094	S095-0" 0 - 0.5 12/04/07 S095	S096-0" 0 - 0.5 12/04/07 S096	S097-6" 0.5 - 1 01/20/09 S097	S098-0" 0 - 0.5 12/04/07 S098
Antimony	6	mg/kg	ND(0.824)	ND(0.819)	ND(0.849)	ND(0.858)	ND(0.779)	ND(0.815)	2.54	ND(0.819)	ND(0.796)	ND(0.794)
Arsenic	13	mg/kg	5.01	ND(0.819)	7.04	6.38	5.43	3.96	8.54	8.44	5.66	5.22
Barium	750	mg/kg	153	113	224	209	186	166	222	181	172	127
Beryllium	4	mg/kg	0.481	ND(0.273)	0.428	0.606	0.427	0.459	0.787	0.839	0.549	0.382
Cadmium	1.7	mg/kg	ND(0.549)	ND(0.546)	ND(0.566)	ND(0.572)	ND(0.519)	ND(0.543)	ND(0.54)	ND(0.546)	ND(0.531)	ND(0.53)
Chromium	50	mg/kg	33.6	5.37	**63.6**	45.6	35	18	**50.2**	33.6	24.5	23
Chromium, Hexavalent	530	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	11.3	7.66	22.8	12	10	8.94	14.8	15.7	10.2	9.71
Copper	230	mg/kg	50.6	11.5	115	45.5	31.9	48.4	48.3	34.1	33.2	33.6
Lead	15	mg/kg	**42.1**	3.1	**313**	**123**	**123**	**282**	**115**	**175**	**44.8**	**79.6**
Mercury	1.3	mg/kg	0.113	ND(0.0912)	0.635	0.38	0.153	ND(0.0908)	0.143	ND(0.0912)	ND(0.0886)	ND(0.0885)
Molybdenum	40	mg/kg	5.86	ND(0.273)	39.6	0.682	3.15	ND(0.272)	ND(0.27)	ND(0.273)	ND(0.265)	0.401
Nickel	100	mg/kg	25.8	5.24	26.1	53.2	17.3	13.7	23.9	24.1	19.3	16.5
Selenium	10	mg/kg	ND(0.824)	ND(0.819)	0.862	ND(0.858)	ND(0.779)	ND(0.815)	ND(0.81)	ND(0.819)	ND(0.796)	ND(0.794)
Silver	20	mg/kg	ND(0.275)	ND(0.273)	ND(0.283)	ND(0.286)	ND(0.26)	ND(0.272)	ND(0.27)	ND(0.273)	ND(0.265)	ND(0.265)
Thallium	1.3	mg/kg	ND(0.824)	ND(0.819)	ND(0.849)	ND(0.858)	ND(0.779)	ND(0.815)	ND(0.81)	ND(0.819)	ND(0.796)	ND(0.794)
Vanadium	16	mg/kg	**36.6**	**25.8**	**27.3**	**44.1**	**29.8**	**29.8**	**51.5**	**51.9**	**34.4**	**27.4**
Zinc	600	mg/kg	93.8	42.9	183	128	115	147	91.9	75.8	95.3	102

NOTES:

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S099-0"	S100-0"	S101-0"	S102-0"	S102-15"	S103-0"	S103-12"	S104-0"	S105-0"	S106-6"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1.25 - 1.75	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0.5 - 1
Date Collected:			12/13/07	12/13/07	12/13/07	12/13/07	12/13/07	01/03/08	01/03/08	01/29/08	01/31/08	01/22/09
Location ID:	CSL	Unit	S099	S100	S101	S102	S102	S103	S103	S104	S105	S106
Antimony	6	mg/kg	0.993	ND(0.792)	ND(0.824)	ND(0.811)	ND(0.799)	ND(0.806)	ND(0.881)	2.88	ND(0.896)	ND(0.86)
Arsenic	13	mg/kg	2.62	8.22	7.88	7.49	7.88	5.78	5.9	8.05	9.79	7.77
Barium	750	mg/kg	195	175	96.6	194	163	153	**850**	222	183	231
Beryllium	4	mg/kg	0.438	0.36	0.314	0.636	0.609	0.547	0.602	1.15	0.916	0.885
Cadmium	1.7	mg/kg	ND(0.552)	0.638	ND(0.549)	ND(0.541)	ND(0.532)	ND(0.537)	ND(0.588)	ND(0.59)	ND(0.597)	ND(0.573)
Chromium	50	mg/kg	21.1	18.2	12.8	**65**	**67.6**	40.5	**178**	38.3	48.8	**51**
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	7.05	9.88	5.53	15.8	12.2	11.2	13.1	**24.7**	17.7	16
Copper	230	mg/kg	13.1	36.3	23	59.2	54.8	33.8	**244**	31	61.9	41.5
Lead	15	mg/kg	10.3	**24.8**	14.1	**51.4**	**24.4**	**30.4**	**44.6**	**16.3**	**81**	**41**
Mercury	1.3	mg/kg	ND(0.0923)	ND(0.0882)	ND(0.0918)	0.244	0.429	ND(0.0897)	0.174	ND(0.0986)	0.106	0.162
Molybdenum	40	mg/kg	ND(0.276)	7.76	1.34	14.6	2.97	9.51	1.63	ND(0.295)	0.915	6.77
Nickel	100	mg/kg	11.7	17.7	10.8	29.6	22.4	41.3	40.6	26.5	26.8	23.9
Selenium	10	mg/kg	ND(0.829)	ND(0.792)	ND(0.824)	ND(0.811)	ND(0.799)	ND(0.806)	ND(0.881)	2.85	ND(0.896)	ND(0.86)
Silver	20	mg/kg	ND(0.276)	ND(0.264)	ND(0.275)	ND(0.27)	ND(0.266)	ND(0.269)	ND(0.294)	ND(0.295)	ND(0.299)	ND(0.287)
Thallium	1.3	mg/kg	ND(0.829)	ND(0.792)	ND(0.824)	ND(0.811)	ND(0.799)	ND(0.806)	ND(0.881)	ND(0.885)	ND(0.896)	ND(0.86)
Vanadium	16	mg/kg	**27.9**	**33.9**	**24.1**	**52.3**	**47.8**	**38**	**41.3**	**69.7**	**53.9**	**56.6**
Zinc	600	mg/kg	45.6	100	62	102	76.6	69.3	128	89.4	211	90.3

NOTES:

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NA = not analyzed

ND = analyte not detected at reporting limit shown

TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S106-12"	S107-0"	S108-0"	S109-0"	S109-12"	S110-6"	S111-0"	S111-12"	S112-6"	S113-0"
Depth (feet bgs):			1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0.5 - 1	0 - 0.5	1 - 1.5	0.5 - 1	0 - 0.5
Date Collected:			01/22/09	12/20/07	12/20/07	01/31/08	01/31/08	01/22/09	12/21/07	12/21/07	01/22/09	01/31/08
Location ID:	CSL	Unit	S106	S107	S108	S109	S109	S110	S111	S111	S112	S113
Antimony	6	mg/kg	ND(0.856)	ND(0.831)	ND(0.874)	0.877	ND(0.871)	ND(0.805)	ND(0.83)	ND(0.842)	ND(0.865)	ND(0.837)
Arsenic	13	mg/kg	10.1	3.26	8.71	**13.2**	8.25	**18.6**	4.95	2.29	7.56	6.5
Barium	750	mg/kg	215	164	234	175	208	165	232	124	202	150
Beryllium	4	mg/kg	0.913	0.689	0.74	0.4	0.853	0.351	0.457	0.537	0.841	0.779
Cadmium	1.7	mg/kg	ND(0.571)	ND(0.554)	ND(0.583)	**2.78**	ND(0.581)	**11.9**	1.32	ND(0.561)	ND(0.577)	ND(0.558)
Chromium	50	mg/kg	**50.1**	24.2	**50.7**	**92.5**	40.8	**340**	**60.5**	19.4	32.7	27.2
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	15.9	14	14.4	11	15.9	**37.7**	10.4	11.8	16	14
Copper	230	mg/kg	41.1	25	64.8	**922**	87.1	**3,420**	89.1	23.5	29.1	27.1
Lead	15	mg/kg	**28**	8.71	**167**	**365**	**54.7**	**214**	**70.2**	8.39	**19.1**	**24.3**
Mercury	1.3	mg/kg	0.111	ND(0.0925)	0.155	0.499	0.153	**1.94**	0.442	ND(0.0937)	ND(0.0963)	ND(0.0932)
Molybdenum	40	mg/kg	3	11.1	**56.3**	10.9	ND(0.29)	**101**	9.54	ND(0.281)	ND(0.288)	ND(0.279)
Nickel	100	mg/kg	24.4	19.6	51.1	24.6	24.3	**3,620**	20.8	15.5	21.8	18.3
Selenium	10	mg/kg	1.32	ND(0.831)	ND(0.874)	ND(0.798)	ND(0.871)	**13.4**	1.44	ND(0.842)	1.05	ND(0.837)
Silver	20	mg/kg	ND(0.285)	ND(0.277)	ND(0.291)	ND(0.266)	ND(0.29)	ND(0.268)	ND(0.277)	ND(0.281)	ND(0.288)	ND(0.279)
Thallium	1.3	mg/kg	ND(0.856)	ND(0.831)	ND(0.874)	ND(0.798)	ND(0.871)	ND(0.805)	ND(0.83)	ND(0.842)	ND(0.865)	ND(0.837)
Vanadium	16	mg/kg	**58.8**	**44.4**	**50**	**30.4**	**51.7**	**29**	**32.9**	**35.5**	**52.6**	**47.3**
Zinc	600	mg/kg	89.1	86	224	559	164	**1,810**	**1,110**	56.2	87.9	74.1

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = es imated concentration between
the detection and repor ing limits

mg/kg = milligrams per kilogram

μg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at reporting limit shown

TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S113-12"	S114-0"	S115-0"	S116-0"	S117-0"	S117-12"	S118-6"	S119-0"	S119-12"	S120-0"
Depth (feet bgs):			1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0.5 - 1	0 - 0.5	1 - 1.5	0 - 0.5
Date Collected:			01/31/08	01/29/08	01/29/08	01/29/08	01/31/08	02/01/08	01/22/09	01/04/08	01/04/08	01/04/08
Location ID:	CSL	Unit	S113	S114	S115	S116	S117	S117	S118	S119	S119	S120
Antimony	6	mg/kg	ND(0.874)	ND(0.838)	2.17	1.2	ND(0.925)	1.81	ND(0.903)	ND(0.888)	ND(0.894)	ND(0.883)
Arsenic	13	mg/kg	7.73	9.35	7.56	6.14	5.86	5.88	10.9	5.68	6.96	**13.8**
Barium	750	mg/kg	172	201	173	158	140	173	236	193	195	300
Beryllium	4	mg/kg	0.804	1.42	0.922	0.638	0.673	0.777	0.813	0.876	0.924	1.06
Cadmium	1.7	mg/kg	ND(0.583)	ND(0.559)	ND(0.594)	ND(0.592)	ND(0.617)	ND(0.603)	ND(0.602)	ND(0.592)	ND(0.596)	ND(0.589)
Chromium	50	mg/kg	27.2	36.2	37.6	37	22.3	27.4	36.3	32.4	34.1	39.9
Chromium, Hexavalent	530	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	14.6	**32.9**	16.1	18.1	19	15.4	17.4	16	16.4	17.1
Copper	230	mg/kg	30.5	83.7	31.6	38.7	24.8	24.7	118	32.5	34.1	38.4
Lead	15	mg/kg	**23.4**	**78.2**	**16**	**106**	**15.3**	12.1	**331**	15	14.4	**16.6**
Mercury	1.3	mg/kg	ND(0.0973)	0.164	ND(0.0992)	0.455	ND(0.103)	ND(0.101)	0.949	ND(0.0988)	ND(0.0995)	ND(0.0984)
Molybdenum	40	mg/kg	ND(0.291)	2.26	ND(0.297)	ND(0.296)	ND(0.308)	ND(0.302)	ND(0.301)	ND(0.296)	ND(0.298)	ND(0.294)
Nickel	100	mg/kg	19	81.1	24.1	20.7	17	19.9	28.2	25	26	31
Selenium	10	mg/kg	ND(0.874)	3.81	2.64	1.08	ND(0.925)	ND(0.905)	ND(0.903)	ND(0.888)	ND(0.894)	ND(0.883)
Silver	20	mg/kg	ND(0.291)	ND(0.279)	ND(0.297)	2.49	ND(0.308)	ND(0.302)	ND(0.301)	ND(0.296)	ND(0.298)	ND(0.294)
Thallium	1.3	mg/kg	ND(0.874)	ND(0.838)	ND(0.891)	ND(0.888)	ND(0.925)	ND(0.905)	ND(0.903)	ND(0.888)	ND(0.894)	ND(0.883)
Vanadium	16	mg/kg	**48.8**	**128**	**61.6**	**42.8**	**42**	**51.7**	**52.9**	**54.6**	**58.8**	**65.1**
Zinc	600	mg/kg	82.2	**625**	69	95.1	57.8	72	310	72.8	73.7	83.9

NOTES:

Detections exceeding CSLs are bolded and shaded.

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the detec ion and reporting limits

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at repor ing limit shown

TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S121-0"	S121-12"	S122-0"	S123-0"	S124-0"	S125-0"	S126-0"	S126-12"	S127-0"	S130-0"
Depth (feet bgs):			0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5
Date Collected:			01/04/08	01/04/08	01/29/08	11/29/07	11/29/07	01/29/08	01/07/08	01/07/08	02/01/08	01/07/08
Location ID:	CSL	Unit	S121	S121	S122	S123	S124	S125	S126	S126	S127	S130
Antimony	6	mg/kg	ND(0.895)	ND(0.88)	1.01	ND(0.818)	ND(0.823)	2.89	ND(0.829)	ND(0.78)	ND(0.887)	ND(0.835)
Arsenic	13	mg/kg	9.15	6.67	4.85	7.6	7.24	**13.4**	3.57	4.45	4.54	6.16
Barium	750	mg/kg	188	162	124	183	183	168	94.1	108	151	165
Beryllium	4	mg/kg	1.14	0.801	ND(0.264)	0.628	0.648	0.582	ND(0.276)	ND(0.26)	0.607	0.497
Cadmium	1.7	mg/kg	ND(0.597)	ND(0.587)	ND(0.528)	ND(0.545)	1.4	ND(0.582)	ND(0.552)	ND(0.52)	ND(0.591)	ND(0.557)
Chromium	50	mg/kg	33.8	44.8	6.52	38.6	42.5	**396**	34.5	13.9	26.6	**194**
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	**1,200**	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	15	13.8	7.11	13	15.3	12.2	5.57	6.58	11.1	9.91
Copper	230	mg/kg	31.1	33.3	16	38.2	46.1	177	24.6	30.6	32.9	155
Lead	15	mg/kg	**25.3**	**51.9**	4.76	**47.6**	**47.8**	**1,570**	**94**	**24.3**	**50.4**	**405**
Mercury	1.3	mg/kg	ND(0.0996)	ND(0.098)	ND(0.0882)	ND(0.0911)	0.157	**1.63**	0.258	ND(0.0869)	0.413	0.96
Molybdenum	40	mg/kg	1.33	ND(0.293)	ND(0.264)	0.616	0.722	0.487	1.15	ND(0.26)	ND(0.296)	2.81
Nickel	100	mg/kg	23.1	20.2	6.58	19.7	24.3	23.5	9.06	11.9	18.1	17.9
Selenium	10	mg/kg	ND(0.895)	ND(0.88)	0.96	ND(0.818)	ND(0.823)	2.74	ND(0.829)	ND(0.78)	ND(0.887)	1.94
Silver	20	mg/kg	ND(0.298)	ND(0.293)	ND(0.264)	ND(0.273)	ND(0.274)	ND(0.291)	ND(0.276)	ND(0.26)	ND(0.296)	ND(0.278)
Thallium	1.3	mg/kg	ND(0.895)	ND(0.88)	ND(0.792)	ND(0.818)	ND(0.823)	ND(0.873)	ND(0.829)	ND(0.78)	ND(0.887)	ND(0.835)
Vanadium	16	mg/kg	**50.9**	**48.3**	**22**	**43.4**	**37.4**	**39.1**	**19.4**	**25**	**39.3**	**29.8**
Zinc	600	mg/kg	81.6	76.1	36.5	138	**1,240**	434	67	56.5	58.2	139

NOTES:

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NA = not analyzed

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S130-12"	S131-0"	S132-0"	S133B-0"	S133B-12"	S134-0"	S135-6"	S136-0"	S136-24"	S137-0"
Depth (feet bgs):			1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0.5 - 1	0 - 0.5	2 - 2.5	0 - 0.5
Date Collected:			01/07/08	01/07/08	01/03/08	11/29/07	11/29/07	01/07/08	01/19/09	11/29/07	11/29/07	11/29/07
Location ID:	CSL	Unit	S130	S131	S132	S133	S133	S134	S135	S136	S136	S137
Antimony	6	mg/kg	1.66	ND(0.782)	1.1	ND(0.857)	ND(0.86)	ND(0.803)	ND(0.905)	ND(0.834)	ND(0.848)	4.21
Arsenic	13	mg/kg	4.05	2.34	8.85	5.22	6.27	4.05	3.37	5.58	7.83	5.78
Barium	750	mg/kg	164	106	193	195	175	84.5	136	171	189	154
Beryllium	4	mg/kg	0.57	ND(0.261)	0.844	0.561	0.477	0.295	0.744	0.434	0.929	0.482
Cadmium	1.7	mg/kg	ND(0.564)	ND(0.521)	ND(0.581)	ND(0.571)	ND(0.573)	ND(0.535)	ND(0.603)	ND(0.556)	ND(0.566)	ND(0.536)
Chromium	50	mg/kg	**55.6**	8.07	32.9	**95.7**	**93.7**	11.9	26.8	**97.7**	32.3	**152**
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	9.94	6.54	16.8	12.5	10.9	5.83	14.4	10.3	15.9	9.16
Copper	230	mg/kg	37.2	14.3	37.5	39.8	39.9	17.4	23.6	43.7	26.8	36.1
Lead	15	mg/kg	**298**	4.43	**26.3**	**429**	**598**	**43.3**	6.26	**417**	12.5	**211**
Mercury	1.3	mg/kg	0.412	ND(0.0871)	ND(0.097)	0.26	0.127	ND(0.0894)	ND(0.101)	0.158	ND(0.0945)	0.224
Molybdenum	40	mg/kg	1.35	ND(0.261)	ND(0.29)	ND(0.286)	0.486	ND(0.268)	ND(0.302)	ND(0.278)	ND(0.283)	0.818
Nickel	100	mg/kg	15.4	13.5	25.9	17.9	18.1	13.2	19.3	15.9	22.5	15
Selenium	10	mg/kg	3.16	ND(0.782)	ND(0.871)	ND(0.857)	ND(0.86)	ND(0.803)	ND(0.905)	ND(0.834)	ND(0.848)	ND(0.805)
Silver	20	mg/kg	ND(0.282)	ND(0.261)	ND(0.29)	ND(0.286)	ND(0.287)	ND(0.268)	ND(0.302)	ND(0.278)	ND(0.283)	ND(0.268)
Thallium	1.3	mg/kg	ND(0.846)	ND(0.782)	ND(0.871)	ND(0.857)	ND(0.86)	ND(0.803)	ND(0.905)	ND(0.834)	ND(0.848)	ND(0.805)
Vanadium	16	mg/kg	**30.8**	**28.3**	**52.8**	**38.9**	**34.5**	**24.6**	**49.6**	**31.7**	**61**	**29.7**
Zinc	600	mg/kg	94.6	41.7	81.2	111	133	49	54.7	126	73.4	357

NOTES:

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S138-0" 0 - 0.5 11/29/07 S138	S138-18" 1.5 - 2 11/29/07 S138	S139-12" 1 - 1.5 11/29/07 S139	S139-24" 2 - 2.5 11/29/07 S139	S140-12" 1 - 1.5 11/29/07 S140	S141-0" 0 - 0.5 01/07/08 S141	S141-12" 1 - 1.5 01/07/08 S141	S142-0" 0 - 0.5 01/07/08 S142	S143-0" 0 - 0.5 01/07/08 S143	S144B-0" 0 - 0.5 01/31/08 S144B
Antimony	6	mg/kg	ND(0.814)	ND(0.846)	3.59	ND(0.862)	ND(0.821)	1.37	1.3	ND(0.805)	ND(0.835)	ND(0.829)
Arsenic	13	mg/kg	4.6	5.78	8.35	7.48	3.73	9.85	3.34	5.98	5.62	5.9
Barium	750	mg/kg	120	268	347	201	164	196	156	152	127	103
Beryllium	4	mg/kg	0.39	0.453	0.363	0.874	0.546	0.628	0.577	0.534	0.582	0.45
Cadmium	1.7	mg/kg	ND(0.543)	ND(0.564)	ND(0.552)	ND(0.575)	ND(0.548)	ND(0.604)	ND(0.59)	ND(0.536)	ND(0.557)	ND(0.552)
Chromium	50	mg/kg	34.8	**128**	26.1	30.5	21.8	31	22.3	**85.5**	30.6	**83.8**
Chromium, Hexavalent	530	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2,800**
Cobalt	23	mg/kg	7.18	10.1	11.7	15.7	13.1	15.7	12.7	9.32	9.08	7.52
Copper	230	mg/kg	31.4	89.7	119	27.3	24.2	30.3	24	77	26.2	28.3
Lead	15	mg/kg	**110**	**1,230**	**45.7**	11.2	14.7	**915**	9.25	**386**	**43.7**	**24.3**
Mercury	1.3	mg/kg	0.0992	0.54	0.363	ND(0.096)	ND(0.0915)	ND(0.101)	ND(0.0985)	0.387	ND(0.093)	0.111
Molybdenum	40	mg/kg	0.425	ND(0.282)	0.817	ND(0.287)	ND(0.274)	1.28	ND(0.295)	6.52	ND(0.278)	ND(0.276)
Nickel	100	mg/kg	10.3	18.1	27	21.4	17.4	18.6	17	29	14.7	14.8
Selenium	10	mg/kg	0.863	1.63	6.82	ND(0.862)	ND(0.821)	ND(0.906)	ND(0.884)	1.69	ND(0.835)	ND(0.829)
Silver	20	mg/kg	ND(0.271)	ND(0.282)	ND(0.276)	ND(0.287)	ND(0.274)	ND(0.302)	ND(0.295)	ND(0.268)	ND(0.278)	ND(0.276)
Thallium	1.3	mg/kg	ND(0.814)	ND(0.846)	ND(0.828)	ND(0.862)	ND(0.821)	ND(0.906)	ND(0.884)	ND(0.805)	ND(0.835)	ND(0.829)
Vanadium	16	mg/kg	**26.5**	**31.9**	**40**	**57.5**	**38.2**	**42**	**38.4**	**33.4**	**37**	**31**
Zinc	600	mg/kg	108	205	78	68.4	72.4	76.5	57.9	85.9	61.8	122

NOTES:

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NA = not analyzed

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S144B-12"	S145-0"	S145-12"	S146-0"	S147-12"	S148-0"	S149-12"	S150-12"	S151-12"	S152-0"
Depth (feet bgs):			1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	1 - 1.5	1 - 1.5	0 - 0.5
Date Collected:			01/31/08	01/07/08	01/07/08	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07
Location ID:	CSL	Unit	S144B	S145	S145	S146	S147	S148	S149	S150	S151	S152
Antimony	6	mg/kg	ND(0.852)	ND(0.832)	ND(0.856)	1.02	ND(0.794)	4.6	ND(0.833)	2.1	ND(0.812)	ND(0.789)
Arsenic	13	mg/kg	8.7	4.13	6.62	5.36	5.92	9.99	7.89	8.41	7.91	5.42
Barium	750	mg/kg	176	134	153	218	132	566	183	539	188	158
Beryllium	4	mg/kg	0.677	0.54	0.686	0.508	0.278	0.499	0.501	0.497	0.473	0.457
Cadmium	1.7	mg/kg	ND(0.568)	ND(0.555)	ND(0.571)	ND(0.587)	ND(0.529)	**1.97**	ND(0.556)	1.55	ND(0.541)	ND(0.526)
Chromium	50	mg/kg	30	37.4	32.7	**51**	20.5	37.3	47.4	39.3	31.3	**75.3**
Chromium, Hexavalent	530	μg/kg	**830**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	11.1	9.78	14	12.5	6.4	10.6	11.1	11.1	10.6	11.1
Copper	230	mg/kg	36.8	41.6	34.8	59.5	30.4	**412**	46.7	229	36.8	42.6
Lead	15	mg/kg	**38.4**	**90.2**	**196**	**151**	**47.2**	**4,240**	**265**	**3,700**	**99.2**	**448**
Mercury	1.3	mg/kg	0.288	ND(0.0927)	0.204	0.198	0.097	0.793	0.124	0.48	0.109	**2.51**
Molybdenum	40	mg/kg	ND(0.284)	0.648	ND(0.285)	1.88	1.37	ND(0.272)	ND(0.278)	ND(0.279)	0.273	ND(0.263)
Nickel	100	mg/kg	18.6	18.2	43.8	18.6	11	21.7	18.8	20.5	18	15.9
Selenium	10	mg/kg	ND(0.852)	ND(0.832)	ND(0.856)	ND(0.88)	ND(0.794)	2.23	1.34	1.25	ND(0.812)	ND(0.789)
Silver	20	mg/kg	ND(0.284)	ND(0.277)	ND(0.285)	ND(0.293)	ND(0.265)	ND(0.272)	ND(0.278)	ND(0.279)	ND(0.271)	ND(0.263)
Thallium	1.3	mg/kg	ND(0.852)	ND(0.832)	ND(0.856)	ND(0.88)	ND(0.794)	ND(0.815)	ND(0.833)	ND(0.838)	ND(0.812)	ND(0.789)
Vanadium	16	mg/kg	**43.1**	**39.6**	**60.7**	**38**	**22.9**	**34.6**	**35.7**	**36.5**	**34.9**	**33.4**
Zinc	600	mg/kg	116	80.5	74.8	164	78.9	**1,070**	128	**760**	144	92.8

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between
the detection and reporting limits

mg/kg = milligrams per kilogram

μg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at reporting limit shown

TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S153-0"	S154-0"	S155B-0"	S156-0"	S157-0"	S158-0"	S158-12"	S159-0"	S160-0"	S161B-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/29/07	11/29/07	11/29/07	01/07/08	01/02/08	12/17/07	12/17/07	12/17/07	01/07/08	11/29/07
Location ID:	CSL	Unit	S153	S154	S155	S156	S157	S158	S158	S159	S160	S161
Antimony	6	mg/kg	ND(0.789)	ND(0.78)	ND(0.806)	ND(0.841)	ND(0.866)	ND(0.831)	ND(0.946)	ND(0.836)	ND(0.834)	ND(0.803)
Arsenic	13	mg/kg	9.65	5.11	11.7	4.09	5.44	6.4	5.31	6.33	5.29	4.63
Barium	750	mg/kg	194	173	156	133	195	197	185	174	173	208
Beryllium	4	mg/kg	0.48	0.381	0.389	0.423	0.631	0.591	0.659	0.516	0.728	0.527
Cadmium	1.7	mg/kg	ND(0.526)	ND(0.52)	ND(0.538)	ND(0.561)	ND(0.577)	ND(0.554)	ND(0.631)	ND(0.557)	ND(0.556)	ND(0.535)
Chromium	50	mg/kg	**152**	25.1	17.4	**71.9**	**75.9**	26.2	27.8	39.2	35.2	**63.8**
Chromium, Hexavalent	530	µg/kg	NA	NA	NA	NA	NA	220	180	**1,400**	NA	NA
Cobalt	23	mg/kg	12.3	8.82	7.65	9.09	12	12.2	13.1	12	13.9	12.4
Copper	230	mg/kg	91.1	87.1	31.4	49.9	41.5	36.3	30.9	52.6	29.8	37.4
Lead	15	mg/kg	**841**	**247**	**23.9**	**170**	**51.5**	**275**	**258**	**112**	**136**	**57**
Mercury	1.3	mg/kg	0.362	ND(0.0869)	ND(0.0898)	0.197	0.126	ND(0.0925)	ND(0.105)	0.3	ND(0.0929)	ND(0.0894)
Molybdenum	40	mg/kg	0.388	0.778	1.03	2.75	ND(0.289)	ND(0.277)	ND(0.315)	2.77	ND(0.278)	0.425
Nickel	100	mg/kg	21.1	17.3	12.2	17.4	19.2	19.2	21.8	18.4	21.8	18.7
Selenium	10	mg/kg	ND(0.789)	ND(0.78)	ND(0.806)	ND(0.841)	ND(0.866)	ND(0.831)	ND(0.946)	ND(0.836)	ND(0.834)	ND(0.803)
Silver	20	mg/kg	ND(0.263)	ND(0.26)	ND(0.269)	ND(0.28)	ND(0.289)	ND(0.277)	ND(0.315)	ND(0.279)	ND(0.278)	ND(0.268)
Thallium	1.3	mg/kg	ND(0.789)	ND(0.78)	ND(0.806)	ND(0.841)	ND(0.866)	ND(0.831)	ND(0.946)	ND(0.836)	ND(0.834)	ND(0.803)
Vanadium	16	mg/kg	**35.8**	**28**	**29.2**	**32.1**	**41.2**	**45**	**41.7**	**34.8**	**47.1**	**41.6**
Zinc	600	mg/kg	192	167	96.7	96.6	113	124	104	97.6	83.1	102

NOTES:

Detections exceeding CSLs are bolded and shaded.

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J = estimated concentration between
the detec ion and reporting limits

mg/kg = milligrams per kilogram

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NA = not analyzed

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S162-12" 1 - 1.5 11/29/07 S162	S162-24" 2 - 2.5 11/29/07 S162	S163-0" 0 - 0.5 11/29/07 S163	S164-0" 0 - 0.5 11/29/07 S164	S165-0" 0 - 0.5 11/29/07 S165	S166-0" 0 - 0.5 11/29/07 S166	S167-0" 0 - 0.5 11/29/07 S167	S168-0" 0 - 0.5 11/29/07 S168	S169-0" 0 - 0.5 11/29/07 S169	S170-0" 0 - 0.5 01/07/08 S170
Antimony	6	mg/kg	ND(0.866)	ND(0.854)	ND(0.838)	ND(0.781)	ND(0.813)	4.96	2.69	ND(0.796)	0.974	ND(0.861)
Arsenic	13	mg/kg	5.43	4	5.07	5.69	**13.5**	9.6	7.37	6.83	9.52	4.59
Barium	750	mg/kg	241	165	181	168	230	549	421	351	225	129
Beryllium	4	mg/kg	0.558	0.533	0.619	0.348	0.554	0.434	0.571	0.475	0.683	0.529
Cadmium	1.7	mg/kg	ND(0.577)	ND(0.569)	ND(0.559)	ND(0.521)	ND(0.542)	**1.81**	1.29	1.61	0.894	ND(0.574)
Chromium	50	mg/kg	22.8	21.4	24.3	31.9	**415**	33.9	30.7	29.5	38.2	30.9
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	13	12.7	13.8	9.8	12.7	10.8	12.4	11.9	15.7	9.99
Copper	230	mg/kg	40.6	24.2	27.3	69.6	121	**420**	161	**255**	49.9	38.9
Lead	15	mg/kg	**69.4**	**20.5**	12.3	**310**	**496**	**1,180**	**735**	**563**	**370**	**208**
Mercury	1.3	mg/kg	ND(0.0964)	ND(0.0951)	ND(0.0933)	0.125	0.777	0.491	0.317	0.174	ND(0.0898)	0.123
Molybdenum	40	mg/kg	ND(0.289)	ND(0.285)	ND(0.279)	0.738	0.496	0.297	ND(0.267)	ND(0.265)	ND(0.269)	3.42
Nickel	100	mg/kg	19.5	17.3	19	17.9	23.4	29.4	21.3	19.5	26.9	19.8
Selenium	10	mg/kg	1.25	ND(0.854)	ND(0.838)	ND(0.781)	1.47	1.72	1.73	ND(0.796)	1.32	ND(0.861)
Silver	20	mg/kg	ND(0.289)	ND(0.285)	ND(0.279)	ND(0.26)	ND(0.271)	ND(0.262)	ND(0.267)	ND(0.265)	ND(0.269)	ND(0.287)
Thallium	1.3	mg/kg	ND(0.866)	ND(0.854)	ND(0.838)	ND(0.781)	ND(0.813)	ND(0.785)	ND(0.8)	ND(0.796)	ND(0.806)	ND(0.861)
Vanadium	16	mg/kg	**39.4**	**38.4**	**42**	**27.2**	**38.9**	**32.3**	**39.7**	**34.2**	**46**	**37.8**
Zinc	600	mg/kg	112	79	81.8	190	202	**914**	**630**	**820**	311	119

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S171-0"	S171-12"	S172-0"	S173-0"	S174-0"	S175-0"	S175-0"	S176-0"	S177-0"	S178-0"
Depth (feet bgs):			0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			12/17/07	12/17/07	12/17/07	12/17/07	12/14/07	01/07/08	01/31/08	11/28/07	11/28/07	11/28/07
Location ID:	CSL	Unit	S171	S171	S172	S173	S174	S175	S175	S176	S177	S178
Antimony	6	mg/kg	ND(0.855)	ND(0.988)	ND(0.826)	ND(0.776)	ND(0.861)	ND(0.813)	ND(0.808)	ND(0.794)	ND(0.841)	ND(0.808)
Arsenic	13	mg/kg	5.04	4.25	3.47	3.14	5.64	4.66	5.53	5.13	1.89	3.79
Barium	750	mg/kg	211	254	178	103	142	136	120	428	402	126
Beryllium	4	mg/kg	0.887	ND(0.329)	0.445	0.269	0.567	0.422	0.376	0.531	0.682	0.326
Cadmium	1.7	mg/kg	ND(0.57)	ND(0.659)	ND(0.551)	ND(0.517)	ND(0.574)	ND(0.542)	ND(0.539)	ND(0.53)	ND(0.561)	ND(0.539)
Chromium	50	mg/kg	43.1	7.66	18.9	11.3	23.8	26.9	25.5	**307**	49.9	14.1
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	7.59	1.07	9.08	6.73	11.6	8.8	7.35	10.4	14	5.9
Copper	230	mg/kg	30.5	76.8	35.7	21.7	27.5	31.2	32.2	89	84	134
Lead	15	mg/kg	**521**	**5,520**	**217**	**21.7**	**34.3**	**82.3**	**60.9**	**858**	**466**	**32.7**
Mercury	1.3	mg/kg	ND(0.0952)	ND(0.11)	ND(0.092)	ND(0.0864)	ND(0.0959)	0.124	ND(0.09)	0.223	ND(0.0936)	ND(0.09)
Molybdenum	40	mg/kg	ND(0.285)	0.627	ND(0.275)	ND(0.259)	ND(0.287)	ND(0.271)	ND(0.269)	0.698	0.907	0.756
Nickel	100	mg/kg	13.7	2.66	15.5	12.7	17.8	14.5	12.1	21.2	23.1	12.1
Selenium	10	mg/kg	2.94	2.04	ND(0.826)	ND(0.776)	ND(0.861)	ND(0.813)	ND(0.808)	ND(0.794)	ND(0.841)	ND(0.808)
Silver	20	mg/kg	ND(0.285)	0.933	ND(0.275)	ND(0.259)	ND(0.287)	ND(0.271)	ND(0.269)	ND(0.265)	ND(0.28)	ND(0.269)
Thallium	1.3	mg/kg	ND(0.855)	ND(0.988)	ND(0.826)	ND(0.776)	ND(0.861)	ND(0.813)	ND(0.808)	ND(0.794)	ND(0.841)	ND(0.808)
Vanadium	16	mg/kg	**25.7**	5.48	**40.4**	**17.6**	**38.7**	**31.1**	**26.8**	**36.2**	**46.9**	**24.1**
Zinc	600	mg/kg	84.3	35.1	95.7	48.4	69.1	89.2	59.5	213	241	90.5

NOTES:

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S179-0"	S180-0"	S181-0"	S182-0"	S183-0"	S184-0"	S185-6"	S186-0"	S187-0"	S188-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/28/07	11/28/07	01/31/08	12/14/07	12/17/07	12/14/07	01/19/09	01/31/08	01/04/08	11/26/07
Location ID:	CSL	Unit	S179	S180	S181	S182	S183	S184	S185	S186	S187	S188
Antimony	6	mg/kg	ND(0.827)	ND(0.779)	ND(0.833)	ND(0.831)	ND(0.837)	ND(0.826)	ND(0.783)	ND(0.847)	ND(0.858)	ND(0.785 J)
Arsenic	13	mg/kg	3.01	1.07	8.03	8.95	6.79	5.94	5.42	6.68	4.64	3.08
Barium	750	mg/kg	196	192	172	102	124	152	115	147	158	111
Beryllium	4	mg/kg	0.768	0.678	0.731	0.326	0.294	0.575	0.343	0.572	0.804	0.436
Cadmium	1.7	mg/kg	ND(0.551)	ND(0.519)	ND(0.556)	ND(0.554)	ND(0.558)	ND(0.551)	ND(0.522)	ND(0.565)	ND(0.572)	ND(0.524)
Chromium	50	mg/kg	30.2	32.5	**207**	15.8	13.3	24.7	19	45.8	26.3	11.6
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	12.8	13.4	13.3	6.05	4.99	11	6.91	10.1	13.7	6.54
Copper	230	mg/kg	31.5	37.7	75.6	25.7	21.7	29.9	14.8	43.9	21.4	37.6 J
Lead	15	mg/kg	**38.2**	**297**	**260**	**83.2**	14.9	**43.3**	14.4	**167**	9.89	13
Mercury	1.3	mg/kg	ND(0.0921)	ND(0.0867)	0.158	ND(0.0926)	ND(0.0932)	0.118	ND(0.0872)	0.198	ND(0.0955)	ND(0.0874)
Molybdenum	40	mg/kg	ND(0.276)	0.569	0.519	0.701	0.879	ND(0.275)	ND(0.261)	0.974	ND(0.286)	0.405
Nickel	100	mg/kg	22.4	20.9	27.4	12	8.66	18.6	15.1	17.7	19.7	8.35
Selenium	10	mg/kg	ND(0.827)	ND(0.779)	ND(0.833)	ND(0.831)	ND(0.837)	ND(0.826)	ND(0.783)	ND(0.847)	ND(0.858)	ND(0.785)
Silver	20	mg/kg	ND(0.276)	ND(0.26)	ND(0.278)	ND(0.277)	ND(0.279)	ND(0.275)	ND(0.261)	ND(0.282)	ND(0.286)	ND(0.262)
Thallium	1.3	mg/kg	ND(0.827)	ND(0.779)	ND(0.833)	ND(0.831)	ND(0.837)	ND(0.826)	ND(0.783)	ND(0.847)	ND(0.858)	ND(0.785)
Vanadium	16	mg/kg	**49.3**	**44.1**	**45.2**	**24**	**19.8**	**40**	**35.7**	**35.6**	**51.9**	**26.3**
Zinc	600	mg/kg	77.2	294	**1,740**	88.5	85.7	105	51	210	55.8	49.9 J

NOTES:

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S189-0"	S190-0"	S191-0"	S192-0"	S193-0"	S194-0"	S195-0"	S196-0"	S196-18"	S197-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1.5 - 2	0 - 0.5
Date Collected:			11/26/07	11/26/07	11/26/07	11/26/07	11/26/07	11/26/07	11/26/07	11/26/07	11/26/07	11/26/07
Location ID:	CSL	Unit	S189	S190	S191	S192	S193	S194	S195	S196	S196	S197
Antimony	6	mg/kg	ND(0.794)	ND(0.783)	ND(0.779)	ND(0.815)	ND(0.821)	ND(0.781)	ND(0.905)	ND(0.879)	ND(0.845)	ND(0.813)
Arsenic	13	mg/kg	2.13	11.2	12.6	3.85	2.86	7.68	8.28	6.28	7.24	5.85
Barium	750	mg/kg	72.9	186	198	131	129	166	180	205	230	157
Beryllium	4	mg/kg	0.371	0.505	0.482	0.504	0.43	0.503	0.551	0.543	0.841	0.55
Cadmium	1.7	mg/kg	ND(0.529)	ND(0.522)	ND(0.519)	ND(0.543)	ND(0.548)	ND(0.521)	ND(0.603)	0.604	ND(0.563)	ND(0.542)
Chromium	50	mg/kg	9.71	**75.7**	**56**	30.3	17.5	46.8	**62.4**	**130**	32	18.9
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	5.39	11.9	12.2	12.6	11	11.6	12.3	11.8	16	10.4
Copper	230	mg/kg	10.8	68.6	47.7	29.6	18	37.4	48.3	63.8	32.4	24.7
Lead	15	mg/kg	8.71	**102**	**139**	**24.5**	7.2	**64.7**	**81.2**	**375**	14.7	**36.5**
Mercury	1.3	mg/kg	ND(0.0884)	0.373	0.146	0.855	ND(0.0915)	0.291	0.236	0.175	ND(0.094)	ND(0.0905)
Molybdenum	40	mg/kg	0.326	ND(0.261)	3.27	18.3	ND(0.274)	ND(0.26)	0.996	ND(0.293)	ND(0.282)	ND(0.271)
Nickel	100	mg/kg	6.58	37.9	19.7	15.7	18.3	21.7	22.9	19.9	23.2	16.5
Selenium	10	mg/kg	ND(0.794)	ND(0.783)	ND(0.779)	ND(0.815)	ND(0.821)	ND(0.781)	ND(0.905)	ND(0.879)	ND(0.845)	ND(0.813)
Silver	20	mg/kg	ND(0.265)	ND(0.261)	ND(0.26)	ND(0.272)	ND(0.274)	ND(0.26)	ND(0.302)	ND(0.293)	ND(0.282)	ND(0.271)
Thallium	1.3	mg/kg	ND(0.794)	ND(0.783)	ND(0.779)	ND(0.815)	ND(0.821)	ND(0.781)	ND(0.905)	ND(0.879)	ND(0.845)	ND(0.813)
Vanadium	16	mg/kg	**22.4**	**37.4**	**37.4**	**51.3**	**31.4**	**36.4**	**41**	**38.9**	**58.2**	**33.4**
Zinc	600	mg/kg	28.9	166	197	112	52.4	133	157	122	73.3	83.8

NOTES:

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S198-0" 0 - 0.5 11/26/07 S198	S199-12" 1 - 1.5 11/26/07 S199	S199-24" 2 - 2.5 11/26/07 S199	S200-0" 0 - 0.5 11/26/07 S200	S201-0" 0 - 0.5 11/26/07 S201	S201-18" 1.5 - 2 11/26/07 S201	S202-0" 0 - 0.5 11/28/07 S202	S203-0" 0 - 0.5 11/28/07 S203	S204-0" 0 - 0.5 11/28/07 S204	S205-0" 0 - 0.5 11/28/07 S205
Antimony	6	mg/kg	ND(0.792)	ND(0.861)	ND(0.863)	ND(0.789)	ND(0.805)	ND(0.832)	ND(0.826)	ND(0.835)	ND(0.833)	ND(0.792)
Arsenic	13	mg/kg	4.39	6.98	7.89	3.64	4.45	3.48	1.41	3.39	3.23	2.26
Barium	750	mg/kg	146	214	241	156	142	115	138	186	268	185
Beryllium	4	mg/kg	0.455	0.936	1.04	0.447	0.373	ND(0.277)	0.606	0.714	0.691	0.756
Cadmium	1.7	mg/kg	ND(0.528)	ND(0.574)	ND(0.575)	ND(0.526)	ND(0.536)	ND(0.555)	ND(0.551)	ND(0.557)	ND(0.556)	ND(0.528)
Chromium	50	mg/kg	30.3	32.3	34.6	22	23.5	15.2	17.4	28.6	36.1	34.5
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	10.9	16.4	19.2	11.4	9.42	7.49	7.97	11.8	12.6	14.2
Copper	230	mg/kg	61	27.2	33.5	26.5	29.3	17.6	16.2	26.9	35.8	50
Lead	15	mg/kg	**47.1**	12.3	13	**30.2**	**29.8**	**18.7**	15	**44.8**	**40.5**	**43.7**
Mercury	1.3	mg/kg	0.127	ND(0.0959)	ND(0.0961)	ND(0.0878)	0.0969	0.189	ND(0.092)	0.111	0.106	ND(0.0882)
Molybdenum	40	mg/kg	0.487	ND(0.287)	ND(0.288)	0.576	0.338	ND(0.277)	ND(0.275)	ND(0.278)	ND(0.278)	ND(0.264)
Nickel	100	mg/kg	15.9	23.3	25.4	16.8	17.4	14.7	11.5	19.7	20.7	24.9
Selenium	10	mg/kg	ND(0.792)	ND(0.861)	ND(0.863)	ND(0.789)	ND(0.805)	ND(0.832)	ND(0.826)	ND(0.835)	ND(0.833)	ND(0.792)
Silver	20	mg/kg	ND(0.264)	ND(0.287)	ND(0.288)	ND(0.263)	ND(0.268)	ND(0.277)	ND(0.275)	ND(0.278)	ND(0.278)	ND(0.264)
Thallium	1.3	mg/kg	ND(0.792)	ND(0.861)	ND(0.863)	ND(0.789)	ND(0.805)	ND(0.832)	ND(0.826)	ND(0.835)	ND(0.833)	ND(0.792)
Vanadium	16	mg/kg	**33.9**	**60.4**	**66.7**	**33.1**	**31.2**	**21.9**	**36.2**	**45.9**	**43.5**	**46.4**
Zinc	600	mg/kg	72.6	73.2	77.7	79.9	76.2	66.3	59.9	102	97.1	109

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = es imated concentration between
the detection and repor ing limits

mg/kg = milligrams per kilogram

μg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at reporting limit shown

TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S206-0" 0 - 0.5 11/28/07 S206	S207-0" 0 - 0.5 11/28/07 S207	S208-0" 0 - 0.5 11/26/07 S208	S209-0" 0 - 0.5 11/26/07 S209	S210-0" 0 - 0.5 11/26/07 S210	S211-0" 0 - 0.5 11/26/07 S211	S212-0" 0 - 0.5 11/26/07 S212	S213-0" 0 - 0.5 11/28/07 S213	S214-0" 0 - 0.5 11/28/07 S214	S215-0" 0 - 0.5 11/28/07 S215
Antimony	6	mg/kg	ND(0.778)	ND(0.774)	ND(0.798)	ND(0.806)	ND(0.808)	ND(0.808)	ND(0.83)	ND(0.862)	ND(0.795)	ND(0.79)
Arsenic	13	mg/kg	4.01	3.61	6.12	5.7	4.96	3.93	3.06	ND(0.862)	2.01	ND(0.79)
Barium	750	mg/kg	157	206	186	194	145	154	153	240	159	31.9
Beryllium	4	mg/kg	0.616	0.678	0.714	0.624	0.403	0.564	0.48	0.391	0.483	0.291
Cadmium	1.7	mg/kg	ND(0.519)	ND(0.516)	ND(0.532)	ND(0.537)	ND(0.539)	ND(0.539)	ND(0.553)	1.2	ND(0.53)	ND(0.527)
Chromium	50	mg/kg	22.4	23.8	48.9	34.9	27.3	22.5	21.3	**67.9**	31.9	6.62
Chromium, Hexavalent	530	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	11.4	12.2	15.2	13.1	9.67	12	11	11.8	10.1	4.18
Copper	230	mg/kg	31.4	32.9	39.1	35	36.6	22.1	20.4	158	42.3	6.22
Lead	15	mg/kg	**28.7**	**32.4**	**27.6**	**51.5**	**71.4**	10.9	**17.7**	**57**	**38.6**	3.01
Mercury	1.3	mg/kg	0.138	0.188	0.122	0.122	0.182	ND(0.09)	ND(0.0924)	0.171	ND(0.0885)	ND(0.088)
Molybdenum	40	mg/kg	ND(0.259)	0.402	1.95	0.843	5.82	ND(0.269)	1.17	14.9	5.94	0.401
Nickel	100	mg/kg	18.7	19.8	26.5	20.4	17.9	16.1	14.1	32.7	17.2	5.78
Selenium	10	mg/kg	ND(0.778)	ND(0.774)	ND(0.798)	ND(0.806)	ND(0.808)	ND(0.808)	ND(0.83)	ND(0.862)	ND(0.795)	ND(0.79)
Silver	20	mg/kg	ND(0.259)	ND(0.258)	ND(0.266)	ND(0.269)	ND(0.269)	ND(0.269)	ND(0.277)	ND(0.287)	ND(0.265)	ND(0.263)
Thallium	1.3	mg/kg	ND(0.778)	ND(0.774)	ND(0.798)	ND(0.806)	ND(0.808)	ND(0.808)	ND(0.83)	ND(0.862)	ND(0.795)	ND(0.79)
Vanadium	16	mg/kg	**40.8**	**45.4**	**53.7**	**44.2**	**31.2**	**39.9**	**35.1**	**47.2**	**35.7**	15
Zinc	600	mg/kg	86.9	108	156	94.2	109	66.6	57.8	424	231	24.2

NOTES:

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S216-0" 0 - 0.5 11/28/07 S216	S217-0" 0 - 0.5 11/28/07 S217	S218-0" 0 - 0.5 11/28/07 S218	S219-0" 0 - 0.5 11/28/07 S219	S220-0" 0 - 0.5 11/28/07 S220	S221-0" 0 - 0.5 11/28/07 S221	S222-0" 0 - 0.5 11/28/07 S222	S223-0" 0 - 0.5 11/28/07 S223	S224-0" 0 - 0.5 11/28/07 S224	S225-0" 0 - 0.5 11/28/07 S225
Antimony	6	mg/kg	ND(0.805)	ND(0.781)	ND(0.762)	ND(0.768)	ND(0.779)	ND(0.812)	ND(0.794)	ND(0.793)	ND(0.777)	ND(0.844)
Arsenic	13	mg/kg	ND(0.805)	4.12	ND(0.762)	3.31	3.43	ND(0.812)	ND(0.794)	2.76	1.29	2.59
Barium	750	mg/kg	82.4	155	134	163	186	137	66.6	195	175	192
Beryllium	4	mg/kg	0.473	0.563	0.274	0.608	0.601	0.458	0.317	0.505	1.02	0.843
Cadmium	1.7	mg/kg	ND(0.536)	ND(0.521)	ND(0.508)	ND(0.512)	ND(0.519)	ND(0.541)	ND(0.53)	ND(0.529)	ND(0.518)	ND(0.562)
Chromium	50	mg/kg	16.5	20.7	8.42	22.1	22.9	17.2	8.76	33.2	**125**	37.1
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	6.62	10.7	8.13	11.4	11.2	8.32	3.79	10.8	**28.7**	14.2
Copper	230	mg/kg	13.8	27.9	20.8	29.7	31.8	20.2	9.82	46.6	97	30.7
Lead	15	mg/kg	15	**25.1**	6.56	**26.8**	**41.3**	10.1	6.08	**100**	**298**	**26.9**
Mercury	1.3	mg/kg	ND(0.0896)	0.125	ND(0.0849)	0.175	0.13	ND(0.0904)	ND(0.0885)	0.131	0.234	ND(0.0939)
Molybdenum	40	mg/kg	0.271	ND(0.26)	ND(0.254)	0.288	0.893	1.31	1.63	3.89	**86.4**	0.375
Nickel	100	mg/kg	12	17.2	8.37	18.5	19.1	12.1	5.47	20.4	28.6	21.7
Selenium	10	mg/kg	ND(0.805)	ND(0.781)	ND(0.762)	ND(0.768)	ND(0.779)	ND(0.812)	ND(0.794)	ND(0.793)	ND(0.777)	ND(0.844)
Silver	20	mg/kg	ND(0.268)	ND(0.26)	ND(0.254)	ND(0.256)	ND(0.26)	ND(0.271)	ND(0.265)	ND(0.264)	ND(0.259)	ND(0.281)
Thallium	1.3	mg/kg	ND(0.805)	ND(0.781)	ND(0.762)	ND(0.768)	ND(0.779)	ND(0.812)	ND(0.794)	ND(0.793)	ND(0.777)	ND(0.844)
Vanadium	16	mg/kg	**28.2**	**37.7**	**26**	**40.5**	**39.7**	**28.3**	**22.3**	**40.1**	**97.6**	**52.8**
Zinc	600	mg/kg	39.7	77	53.3	83.6	99.1	68.8	22.9	261	195	82.5

NOTES:

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S226-0"	S227-0"	S228-0"	S229-0"	S230-0"	S230-12"	S231-0"	S232-0"	S233-0"	S234-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/28/07	11/29/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07	11/28/07
Location ID:	CSL	Unit	S226	S227	S228	S229	S230	S230	S231	S232	S233	S234
Antimony	6	mg/kg	ND(0.801)	ND(0.818)	ND(0.83)	ND(0.779)	ND(0.798)	ND(0.8)	ND(0.784)	ND(0.773)	ND(0.861)	ND(0.79)
Arsenic	13	mg/kg	1.65	11	3	2.06	ND(0.798)	ND(0.8)	2.86	3.85	2.02	1.15
Barium	750	mg/kg	129	212	229	130	64.7	78.3	174	203	142	123
Beryllium	4	mg/kg	0.367	0.726	0.473	0.577	0.31	0.339	0.687	0.675	1.13	0.585
Cadmium	1.7	mg/kg	ND(0.534)	ND(0.545)	ND(0.553)	ND(0.519)	ND(0.532)	ND(0.534)	ND(0.522)	ND(0.515)	0.932	ND(0.527)
Chromium	50	mg/kg	23.3	39	**54.3**	26.6	8.07	9.89	27	24.8	**118**	19.1
Chromium, Hexavalent	530	μg/kg	NA	**680**	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	7.7	14.5	12.2	11.7	3.98	4.33	12.7	12.6	15.4	8.47
Copper	230	mg/kg	26.4	36.4	124	54.1	8.76	11.9	33.4	31.9	**1,640**	34.4
Lead	15	mg/kg	**50.1**	**25.3**	**546**	**73.6**	5.38	6.1	**28.9**	**30.5**	**66.4**	12.1
Mercury	1.3	mg/kg	0.171	ND(0.0911)	0.194	0.118	ND(0.0888)	ND(0.0891)	0.108	0.172	0.345	ND(0.088)
Molybdenum	40	mg/kg	14.6	ND(0.273)	**112**	6.54	1.31	2.73	5.75	ND(0.258)	20.2	0.938
Nickel	100	mg/kg	30.3	22.8	21.4	18.1	5.67	6.88	22.8	20.1	42.4	15.2
Selenium	10	mg/kg	ND(0.801)	ND(0.818)	ND(0.83)	ND(0.779)	ND(0.798)	ND(0.8)	ND(0.784)	ND(0.773)	ND(0.861)	ND(0.79)
Silver	20	mg/kg	ND(0.267)	ND(0.273)	ND(0.277)	ND(0.26)	ND(0.266)	ND(0.267)	ND(0.261)	ND(0.258)	ND(0.287)	ND(0.263)
Thallium	1.3	mg/kg	ND(0.801)	ND(0.818)	ND(0.83)	ND(0.779)	ND(0.798)	ND(0.8)	ND(0.784)	ND(0.773)	ND(0.861)	ND(0.79)
Vanadium	16	mg/kg	**26.8**	**49.3**	**36.1**	**44.7**	**19.7**	**23.8**	**44.9**	**46**	**103**	**37**
Zinc	600	mg/kg	84.6	123	260	191	20.8	25.8	91.9	101	419	56.5

NOTES:

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S235-0"	S236-0"	S237-0"	S238-0"	S239-0"	S239-12"	S240-6"	S241-6"	S242-0"	S243-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0.5 - 1	0.5 - 1	0 - 0.5	0 - 0.5
Date Collected:			11/28/07	11/28/07	11/29/07	01/28/08	01/28/08	01/30/08	01/20/09	01/20/09	01/29/08	01/29/08
Location ID:	CSL	Unit	S235	S236	S237	S238	S239	S239	S240	S241	S242	S243
Antimony	6	mg/kg	ND(0.797)	ND(0.78)	ND(0.84)	ND(0.882)	ND(0.905)	ND(0.881)	ND(0.821)	ND(0.819)	1.92	ND(0.803)
Arsenic	13	mg/kg	2.03	2.07	8.37	8.76	10.7	10.6	6.72	7.43	9.47	3.05
Barium	750	mg/kg	127	182	196	218	232	174	115	126	183	96.8
Beryllium	4	mg/kg	0.664	0.764	0.655	0.814	0.861	0.768	0.404	0.56	0.86	ND(0.268)
Cadmium	1.7	mg/kg	ND(0.531)	ND(0.52)	0.6	ND(0.588)	ND(0.603)	ND(0.588)	ND(0.547)	ND(0.546)	ND(0.578)	ND(0.535)
Chromium	50	mg/kg	24.3	32.9	37.2	32.1	35.4	32.9	15	20.7	40.6	4.81
Chromium, Hexavalent	530	μg/kg	NA	NA	**1,000**	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	9.15	13.1	13.1	14.5	15.6	13.6	7.58	8.02	16.4	5.66
Copper	230	mg/kg	23.1	32.8	34.2	33.9	44.1	40.1	29.3	24.9	46	12.2
Lead	15	mg/kg	**73.7**	**30.1**	**34.6**	**19.8**	**25.4**	**33.9**	**31.4**	**29.8**	**50.9**	5.17
Mercury	1.3	mg/kg	0.0965	ND(0.0869)	0.0948	0.107	ND(0.101)	0.11	ND(0.0914)	ND(0.0912)	0.138	ND(0.0894)
Molybdenum	40	mg/kg	0.996	6.51	0.392	ND(0.294)	ND(0.302)	ND(0.294)	ND(0.274)	ND(0.273)	ND(0.289)	ND(0.268)
Nickel	100	mg/kg	14.2	21.8	24.1	24.5	28	22.2	13.6	15.2	26.3	5.94
Selenium	10	mg/kg	ND(0.797)	ND(0.78)	ND(0.84)	1.94	2.14	ND(0.881)	ND(0.821)	ND(0.819)	2.45	ND(0.803)
Silver	20	mg/kg	ND(0.266)	ND(0.26)	ND(0.28)	ND(0.294)	ND(0.302)	ND(0.294)	ND(0.274)	ND(0.273)	ND(0.289)	ND(0.268)
Thallium	1.3	mg/kg	ND(0.797)	ND(0.78)	ND(0.84)	ND(0.882)	ND(0.905)	ND(0.881)	ND(0.821)	ND(0.819)	ND(0.867)	ND(0.803)
Vanadium	16	mg/kg	**41.3**	**51.5**	**46.7**	**50.4**	**55.1**	**47.7**	**29.4**	**51**	**52.8**	**17.7**
Zinc	600	mg/kg	92.3	146	144	66.3	83.3	82.8	66.1	113	104	34.1

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S244-0" 0 - 0.5 01/28/08 S244	S245-0" 0 - 0.5 01/28/08 S245	S246-0" 0 - 0.5 01/29/08 S246	S247-0" 0 - 0.5 01/29/08 S247	S248-0" 0 - 0.5 01/28/08 S248	S249-0" 0 - 0.5 01/28/08 S249	S250-0" 0 - 0.5 01/28/08 S250	S250-12" 1 - 1.5 01/30/08 S250	S251-0" 0 - 0.5 01/28/08 S251	S251-6" 0.5 - 1 01/20/09 S251
Antimony	6	mg/kg	ND(0.875)	ND(0.821)	1.76	ND(0.875)	ND(0.857)	ND(0.89)	ND(0.843)	ND(0.839)	1.2	ND(0.887)
Arsenic	13	mg/kg	8.26	3.95	6.09	6.66	6.72	9.6	2.66	5.16	8.99	7.83
Barium	750	mg/kg	165	62.1	149	176	158	180	56.3	81.8	173	189
Beryllium	4	mg/kg	0.674	0.288	0.742	0.714	0.608	0.719	ND(0.281)	0.438	0.822	0.778
Cadmium	1.7	mg/kg	ND(0.583)	ND(0.547)	ND(0.577)	ND(0.583)	ND(0.571)	ND(0.593)	ND(0.562)	ND(0.559)	ND(0.598)	ND(0.591)
Chromium	50	mg/kg	30.8	9.68	36.9	36	31.5	35.5	8.55	13.6	33.2	31.4
Chromium, Hexavalent	530	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	12.1	6.54	13	13.4	12.4	15.8	4.94	8	13	**31.9**
Copper	230	mg/kg	36.9	14	38.8	39.5	37.2	141	8.26	17.1	37.6	40.1
Lead	15	mg/kg	**39.3**	**16.6**	**63**	**44.1**	**40.5**	**127**	6.82	**15.4**	**32.3**	**24**
Mercury	1.3	mg/kg	0.166	0.104	ND(0.0964)	0.108	0.142	0.104	ND(0.0938)	ND(0.0934)	0.127	ND(0.0987)
Molybdenum	40	mg/kg	ND(0.292)	ND(0.274)	0.375	ND(0.292)	0.297	2.54	ND(0.281)	ND(0.28)	ND(0.299)	2.95
Nickel	100	mg/kg	19.8	8.24	21.6	21.9	18.6	22.9	6.25	11.1	23.4	25.7
Selenium	10	mg/kg	1.96	ND(0.821)	1.34	2.27	2.09	2.8	ND(0.843)	ND(0.839)	2.52	ND(0.887)
Silver	20	mg/kg	ND(0.292)	ND(0.274)	ND(0.289)	ND(0.292)	ND(0.286)	ND(0.297)	ND(0.281)	ND(0.28)	ND(0.299)	ND(0.296)
Thallium	1.3	mg/kg	ND(0.875)	ND(0.821)	ND(0.866)	ND(0.875)	ND(0.857)	ND(0.89)	ND(0.843)	ND(0.839)	ND(0.897)	ND(0.887)
Vanadium	16	mg/kg	**43.1**	**21.1**	**47.7**	**46.9**	**39.8**	**49.2**	**20.4**	**26.5**	**52.8**	**48.7**
Zinc	600	mg/kg	86.9	41.6	98.8	96.9	86.6	158	29.1	75.2	89.5	88.5

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = es imated concentration between
the detection and repor ing limits

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at reporting limit shown

TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S252-0"	S253-0"	S254-0"	S254-12"	S255-0"	S256-0"	S257-0"	S258-0"	S259-0"	S260-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			01/29/08	01/29/08	01/29/08	01/30/08	01/29/08	01/31/08	01/03/08	01/03/08	01/31/08	01/03/08
Location ID:	CSL	Unit	S252	S253	S254	S254	S255	S256	S257	S258	S259	S260
Antimony	6	mg/kg	1.62	1.42	1.18	ND(0.87)	ND(1.01)	ND(0.874)	ND(0.896)	ND(0.873)	ND(0.867)	ND(0.785)
Arsenic	13	mg/kg	8.69	11.1	11.1	11.1	5.7	8.98	7.82	5.63	7.14	3.74
Barium	750	mg/kg	207	216	191	230	74.1	177	259	161	121	84.8
Beryllium	4	mg/kg	0.818	0.882	0.749	0.911	ND(0.335)	0.69	0.901	0.627	0.386	ND(0.262)
Cadmium	1.7	mg/kg	ND(0.592)	ND(0.587)	ND(0.575)	ND(0.58)	ND(0.67)	ND(0.583)	ND(0.597)	ND(0.582)	ND(0.578)	ND(0.523)
Chromium	50	mg/kg	42.3	34.1	33.6	32.2	7.55	**105**	30.8	25.6	16.1	6.26
Chromium, Hexavalent	530	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	14.6	16.2	14.3	15.9	3.97	11.7	17	12.5	6.99	5.56
Copper	230	mg/kg	38.7	40.5	39.9	38.4	10.4	56.2	31.1	28.3	23.8	22.9
Lead	15	mg/kg	**608**	**26.4**	**157**	**33.4**	4.57	**220**	12.4	**29.5**	**24.6**	4.59
Mercury	1.3	mg/kg	ND(0.0989)	ND(0.098)	0.156	0.13	ND(0.112)	0.224	ND(0.0998)	ND(0.0972)	ND(0.0965)	ND(0.0873)
Molybdenum	40	mg/kg	ND(0.296)	ND(0.293)	1.24	ND(0.29)	ND(0.335)	0.614	ND(0.299)	ND(0.291)	ND(0.289)	ND(0.262)
Nickel	100	mg/kg	25.7	27.2	23.8	30.9	4.96	22.1	31.7	20.6	15.8	6.8
Selenium	10	mg/kg	ND(0.889)	ND(0.88)	1.28	ND(0.87)	ND(1.01)	ND(0.874)	ND(0.896)	ND(0.873)	ND(0.867)	ND(0.785)
Silver	20	mg/kg	ND(0.296)	ND(0.293)	ND(0.287)	ND(0.29)	ND(0.335)	ND(0.291)	ND(0.299)	ND(0.291)	ND(0.289)	ND(0.262)
Thallium	1.3	mg/kg	ND(0.889)	ND(0.88)	ND(0.862)	ND(0.87)	ND(1.01)	ND(0.874)	ND(0.896)	ND(0.873)	ND(0.867)	ND(0.785)
Vanadium	16	mg/kg	**50.9**	**53.7**	**48.1**	**53.3**	**18.1**	**41.6**	**51.8**	**41.3**	**34.5**	**20.4**
Zinc	600	mg/kg	86.5	82.9	152	102	25.9	110	63.6	71.2	91.8	73.1

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

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the detection and reporting limits

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at reporting limit shown

TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S261-0" 0 - 0.5 12/21/07 S261	S262-0" 0 - 0.5 12/13/07 S262	S263-0" 0 - 0.5 02/01/08 S263	S264-0" 0 - 0.5 01/03/08 S264	S264-12" 1 - 1.5 01/03/08 S264	S265-6" 0.5 - 1 01/20/09 S265	S266-0" 0 - 0.5 12/14/07 S266	S267-0" 0 - 0.5 01/04/08 S267	S268-0" 0 - 0.5 01/02/08 S268	S268-12" 1 - 1.5 01/02/08 S268
Antimony	6	mg/kg	ND(0.774)	ND(0.81)	1.02	ND(0.859)	ND(0.9)	ND(0.873)	ND(0.9)	ND(0.833)	ND(0.872)	ND(0.885)
Arsenic	13	mg/kg	2.46	8.88	5.5	3.78	5.84	5.59	6.81	5.32	9.97	9.46
Barium	750	mg/kg	119	102	117	159	227	94	174	113	295	397
Beryllium	4	mg/kg	0.293	0.32	0.439	0.455	0.601	3.36	0.569	0.412	0.742	0.662
Cadmium	1.7	mg/kg	0.597	ND(0.54)	ND(0.59)	ND(0.573)	ND(0.6)	ND(0.582)	ND(0.6)	ND(0.556)	ND(0.581)	ND(0.59)
Chromium	50	mg/kg	17.4	28.8	16.3	28.2	41.4	**57.6**	24.6	**53.5**	43.8	37
Chromium, Hexavalent	530	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	7.56	5.84	9.43	9.36	14.3	14.9	12.9	8.86	11.3	12.5
Copper	230	mg/kg	26.1	29.3	18.8	27	57.4	134	31.9	53.9	53.2	40.9
Lead	15	mg/kg	**37.6**	**103**	**15.4**	**56.3**	**42.7**	**44.6**	**32.5**	**48.9**	**235**	**90.7**
Mercury	1.3	mg/kg	ND(0.0862)	0.12	ND(0.0985)	ND(0.0956)	0.129	0.562	ND(0.1)	0.219	0.592	0.302
Molybdenum	40	mg/kg	ND(0.258)	0.944	ND(0.295)	7.37	**46.2**	2.42	1.68	2.06	0.454	0.647
Nickel	100	mg/kg	11.3	12	14.1	18.1	45	27.9	19.8	17.7	23.3	23.9
Selenium	10	mg/kg	0.785	ND(0.81)	ND(0.884)	ND(0.859)	ND(0.9)	ND(0.873)	ND(0.9)	ND(0.833)	ND(0.872)	ND(0.885)
Silver	20	mg/kg	ND(0.258)	ND(0.27)	ND(0.295)	ND(0.286)	ND(0.3)	ND(0.291)	ND(0.3)	ND(0.278)	ND(0.291)	ND(0.295)
Thallium	1.3	mg/kg	ND(0.774)	ND(0.81)	ND(0.884)	ND(0.859)	ND(0.9)	ND(0.873)	ND(0.9)	ND(0.833)	ND(0.872)	ND(0.885)
Vanadium	16	mg/kg	**24.9**	**25.1**	**29.5**	**31.1**	**35.7**	**116**	**42.2**	**29.4**	**44.5**	**42.1**
Zinc	600	mg/kg	115	83.5	101	63.2	112	166	69.2	132	132	192

NOTES:

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S269-0" 0 - 0.5 12/04/07 S269	S270-0" 0 - 0.5 12/17/07 S270	S271-0" 0 - 0.5 01/04/08 S271	S272-0" 0 - 0.5 11/28/07 S272	S273-0" 0 - 0.5 11/28/07 S273	S274-0" 0 - 0.5 11/29/07 S274	S274-12" 1 - 1.5 11/29/07 S274	S275-0" 0 - 0.5 11/29/07 S275	S275-12" 1 - 1.5 11/29/07 S275	S276-0" 0 - 0.5 11/29/07 S276
Antimony	6	mg/kg	ND(0.818)	ND(0.818)	ND(0.868)	ND(0.784)	ND(0.796)	ND(0.827)	ND(0.852)	ND(0.863)	ND(0.874)	ND(0.81)
Arsenic	13	mg/kg	6.66	9.34	8.09	1.46	4.71	5.32	6.9	4.22	6.36	5.51
Barium	750	mg/kg	163	149	223	192	462	195	180	168	196	162
Beryllium	4	mg/kg	0.45	0.326	0.903	0.79	0.542	0.531	0.68	0.602	0.854	0.606
Cadmium	1.7	mg/kg	ND(0.545)	ND(0.545)	ND(0.579)	ND(0.522)	**1.71**	ND(0.551)	ND(0.568)	ND(0.575)	ND(0.583)	ND(0.54)
Chromium	50	mg/kg	34	13.7	**59.8**	49.5	22.8	21.8	25.8	23.5	31.1	**93.3**
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	8.45	6.64	15.6	14.8	10.8	13	13.9	13.9	16.2	12.7
Copper	230	mg/kg	50.4	68.1	33.1	32.6	**425**	35.2	24	26.9	27.7	56.5
Lead	15	mg/kg	**302**	**16.5**	**136**	**29.2**	**527**	**53.9**	9.48	8.95	12.4	**208**
Mercury	1.3	mg/kg	0.277	0.158	ND(0.0966)	ND(0.0873)	0.234	ND(0.0921)	ND(0.0949)	ND(0.0961)	ND(0.0973)	0.584
Molybdenum	40	mg/kg	1.9	4.32	ND(0.289)	0.43	ND(0.265)	ND(0.276)	ND(0.284)	ND(0.288)	ND(0.291)	ND(0.27)
Nickel	100	mg/kg	16.8	31.5	25	21.4	20	17.5	19.4	18.7	22.5	18.5
Selenium	10	mg/kg	ND(0.818)	ND(0.818)	ND(0.868)	ND(0.784)	ND(0.796)	ND(0.827)	0.986	ND(0.863)	0.898	ND(0.81)
Silver	20	mg/kg	ND(0.273)	ND(0.273)	ND(0.289)	ND(0.261)	ND(0.265)	ND(0.276)	ND(0.284)	ND(0.288)	ND(0.291)	ND(0.27)
Thallium	1.3	mg/kg	ND(0.818)	ND(0.818)	ND(0.868)	ND(0.784)	ND(0.796)	ND(0.827)	ND(0.852)	ND(0.863)	ND(0.874)	ND(0.81)
Vanadium	16	mg/kg	**31**	**21.3**	**57.9**	**50.1**	**36.1**	**37.3**	**45.9**	**42.4**	**56.2**	**40.9**
Zinc	600	mg/kg	121	127	82.8	85.5	**809**	104	74.5	66.8	76.4	110

NOTES:

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S277-0"	S278-0"	S279-0"	S279-12"	S280-0"	S281-0"	S282-6"	S282-12"	S283-0"	S284-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0.5 - 1	1 - 1.5	0 - 0.5	0 - 0.5
Date Collected:			01/31/08	01/31/08	12/20/07	12/20/07	01/03/08	02/01/08	01/20/09	01/20/09	01/29/08	01/29/08
Location ID:	CSL	Unit	S277	S278	S279	S279	S280	S281	S282	S282	S283	S284
Antimony	6	mg/kg	2.14	ND(0.892)	0.921	ND(0.859)	ND(0.861)	ND(0.862)	ND(0.809)	ND(0.8)	ND(0.861)	0.923
Arsenic	13	mg/kg	**15.2**	10.3	7.33	4.89	5.01	7.58	7.05	6.4	9.82	6.31
Barium	750	mg/kg	105	225	255	171	168	154	95.5	85.7	196	135
Beryllium	4	mg/kg	ND(0.331)	1.21	0.844	0.783	0.576	0.614	0.281	0.308	0.839	0.275
Cadmium	1.7	mg/kg	ND(0.662)	ND(0.595)	0.863	1.1	ND(0.574)	ND(0.575)	ND(0.539)	ND(0.534)	ND(0.574)	ND(0.535)
Chromium	50	mg/kg	**60.9**	38.9	38.7	29.1	41.3	28.7	19.7	16	38	9.47
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	14.9	19.3	18.2	17.1	11.6	11.2	13.9	21.2	15.2	7.64
Copper	230	mg/kg	73.1	39.7	103	32.3	37.5	34.5	16.9	18.4	41.1	21.7
Lead	15	mg/kg	**4,690**	**17.3**	**272**	12.3	**72.7**	**48.7**	**28.7**	**39**	**54.8**	10.2
Mercury	1.3	mg/kg	ND(0.111)	ND(0.0993)	0.264	ND(0.0956)	0.171	0.142	ND(0.0901)	ND(0.0891)	0.203	ND(0.0893)
Molybdenum	40	mg/kg	13	ND(0.297)	1.39	3.23	4.47	0.858	2.46	2.05	ND(0.287)	0.853
Nickel	100	mg/kg	28.1	27.4	30.5	29.8	47.1	19.6	39.2	27.1	26.3	8.81
Selenium	10	mg/kg	ND(0.993)	ND(0.892)	ND(0.914)	ND(0.859)	ND(0.861)	ND(0.862)	ND(0.809)	ND(0.8)	2.17	1.01
Silver	20	mg/kg	ND(0.331)	ND(0.297)	ND(0.305)	ND(0.286)	ND(0.287)	ND(0.287)	ND(0.27)	ND(0.267)	ND(0.287)	ND(0.267)
Thallium	1.3	mg/kg	ND(0.993)	ND(0.892)	ND(0.914)	ND(0.859)	ND(0.861)	ND(0.862)	ND(0.809)	ND(0.8)	ND(0.861)	ND(0.802)
Vanadium	16	mg/kg	**23.5**	**73.7**	**55**	**47.5**	**39.2**	**39.4**	**23.3**	**24.9**	**52.2**	**24.6**
Zinc	600	mg/kg	**802**	72.9	249	151	78.6	85	77.1	69.9	106	76.5

NOTES:

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S284-12" 1 - 1.5 01/30/08 S284	S285-0" 0 - 0.5 11/28/07 S285	S286-0" 0 - 0.5 11/26/07 S286	S287-0" 0 - 0.5 11/26/07 S287	S287-12" 1 - 1.5 11/26/07 S287	S288-0" 0 - 0.5 11/26/07 S288	S289-0" 0 - 0.5 11/26/07 S289	S290-0" 0 - 0.5 11/26/07 S290	S291-0" 0 - 0.5 01/07/08 S291	S292-6" 0.5 - 1 01/19/09 S292
Antimony	6	mg/kg	ND(0.812)	ND(0.815)	ND(0.836)	ND(0.836)	ND(0.84)	ND(0.826)	ND(0.807)	1.93	ND(0.848)	ND(0.81)
Arsenic	13	mg/kg	8.53	1.76	12.7	5.64	6.3	10.2	4.97	5.45	9.35	1.13
Barium	750	mg/kg	118	142	148	196	235	330	180	144	150	34.4
Beryllium	4	mg/kg	0.392	0.526	0.286	0.825	0.895	0.668	0.506	0.428	0.606	ND(0.27)
Cadmium	1.7	mg/kg	ND(0.541)	ND(0.543)	ND(0.557)	ND(0.557)	ND(0.56)	ND(0.551)	ND(0.538)	1.12	ND(0.566)	ND(0.54)
Chromium	50	mg/kg	16.2	38.3	15.5	28	32	**64**	29	31.8	40.4	6.96
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	11.7	9.19	8.23	15.8	17.3	10.7	10.7	9.83	13.9	3.76
Copper	230	mg/kg	25.7	28.6	27.4	24.6	32.7	26	30.7	29.7	40.8	7.2
Lead	15	mg/kg	**25.3**	**44.1**	11.7	11.3	11.8	**29.3**	**44.1**	**120**	**98**	13.5
Mercury	1.3	mg/kg	ND(0.0904)	0.113	ND(0.0931)	ND(0.0931)	ND(0.0935)	ND(0.092)	0.172	0.12	0.385	ND(0.0902)
Molybdenum	40	mg/kg	ND(0.271)	10.6	ND(0.279)	ND(0.279)	ND(0.28)	0.285	ND(0.269)	0.417	13.9	ND(0.27)
Nickel	100	mg/kg	14.2	12.9	11.5	21.9	23.4	17.5	17.2	13.9	26.4	7.02
Selenium	10	mg/kg	ND(0.812)	ND(0.815)	ND(0.836)	ND(0.836)	ND(0.84)	ND(0.826)	ND(0.807)	ND(0.783)	ND(0.848)	ND(0.81)
Silver	20	mg/kg	ND(0.271)	ND(0.272)	ND(0.279)	ND(0.279)	ND(0.28)	ND(0.275)	ND(0.269)	ND(0.261)	ND(0.283)	ND(0.27)
Thallium	1.3	mg/kg	ND(0.812)	ND(0.815)	ND(0.836)	ND(0.836)	ND(0.84)	ND(0.826)	ND(0.807)	ND(0.783)	ND(0.848)	ND(0.81)
Vanadium	16	mg/kg	**30**	**37.5**	**20.8**	**55.3**	**60**	**44.5**	**35.3**	**32**	**41.1**	12.8
Zinc	600	mg/kg	73.6	72.4	54.3 J	66.6	71.8	79.2	101	369	116	28.3

NOTES:

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TABLE 16
METAL CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S293-0"	S293-24"	S294-0"	S295-6"	S296-0"	S296-18"	S297-6"	S297-12"	S298-0
Depth (feet bgs):			0 - 0.5	2 - 2.5	0 - 0.5	0.5 - 1	0 - 0.5	1.5 - 2	0.5 - 1	1 - 1.5	0 - 0.5
Date Collected:			11/26/07	11/26/07	11/26/07	11/26/07	11/28/07	11/28/07	01/20/09	01/20/09	12/04/07
Location ID:	CSL	Unit	S293	S293	S294	S295	S296	S296	S297	S297	S298
Antimony	6	mg/kg	ND(0.813)	ND(0.839)	ND(0.844)	ND(0.815)	ND(0.848)	ND(0.872)	ND(0.957)	ND(0.98)	ND(0.825)
Arsenic	13	mg/kg	5.66	2.92	5.87	4.82	ND(0.848)	ND(0.872)	4.44	9.91	9.52
Barium	750	mg/kg	183	170	148	164	163	164	139	151	163
Beryllium	4	mg/kg	0.816	0.752	0.424	0.54	0.733	0.776	0.505	0.901	0.514
Cadmium	1.7	mg/kg	ND(0.542)	ND(0.559)	0.628	ND(0.543)	ND(0.566)	ND(0.581)	1	ND(0.654)	ND(0.55)
Chromium	50	mg/kg	28.2	26.8	19.2	30	24.7	31.6	20.7	29.1	25.9
Chromium, Hexavalent	530	μg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	15.9	14.2	9.94	11.3	13.6	13.9	15	11.6	10.6
Copper	230	mg/kg	27.4	21.6	24.2	26.2	26.1	29.5	29.3	52.1	78.9
Lead	15	mg/kg	10.6	9.72	**38.5**	**50.7**	**28.1**	**18.7**	**31.7**	**98.7**	**45.1**
Mercury	1.3	mg/kg	ND(0.0905)	ND(0.0934)	ND(0.0939)	0.122	ND(0.0945)	ND(0.0971)	ND(0.107)	ND(0.109)	0.146
Molybdenum	40	mg/kg	ND(0.271)	ND(0.28)	ND(0.281)	ND(0.272)	ND(0.283)	ND(0.291)	ND(0.319)	7.76	0.648
Nickel	100	mg/kg	22.4	18.1	13.8	20.3	19.4	20.9	23.3	25.5	23.9
Selenium	10	mg/kg	ND(0.813)	ND(0.839)	ND(0.844)	ND(0.815)	ND(0.848)	ND(0.872)	ND(0.957)	ND(0.98)	ND(0.825)
Silver	20	mg/kg	ND(0.271)	ND(0.28)	ND(0.281)	ND(0.272)	ND(0.283)	ND(0.291)	ND(0.319)	ND(0.327)	ND(0.275)
Thallium	1.3	mg/kg	ND(0.813)	ND(0.839)	ND(0.844)	ND(0.815)	ND(0.848)	ND(0.872)	ND(0.957)	ND(0.98)	ND(0.825)
Vanadium	16	mg/kg	**54.3**	**50.9**	**30.9**	**38.8**	**46.8**	**49.9**	**38.3**	**66.9**	**38**
Zinc	600	mg/kg	68.1	64.1	141	78.3	63	69.7	84.3	128	105

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between
the detection and reporting limits

mg/kg = milligrams per kilogram

μg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at reporting limit shown

TABLE 17
PCB DETECTION FREQUENCY IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Depth (feet bgs)	Minimum Detection (mg/kg)	Maximum Detection (mg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
PCB-1254	0-1	0.056	1.9	3	7	43
	1-2	0.07	0.085	2	3	67

NOTES:

[1]PCBs analyzed for but not listed in this table were not detected.

bgs = below ground surface

mg/kg = milligrams per kilogram

PCB = polychlorinated biphenyl

TABLE 18
PCB CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S018-0" 0 - 0.5 12/20/07 S018	S047-6" 0.5 - 1 01/20/09 S047	S089-0" 0 - 0.5 01/02/08 S089	S103-0" 0 - 0.5 01/03/08 S103	S103-12" 1 - 1.5 01/03/08 S103	S113-0" 0 - 0.5 01/31/08 S113	S113-12" 1 - 1.5 01/31/08 S113	S126-12" 1 - 1.5 01/07/08 S126	S134-0" 0 - 0.5 01/07/08 S134	S280-0" 0 - 0.5 01/03/08 S280
PCB-1016	89	µg/kg	ND(57)	ND(290)	ND(52)	ND(54)	ND(59)	ND(56)	ND(58)	ND(52)	ND(54)	ND(57)
PCB-1221	89	µg/kg	ND(57)	ND(290)	ND(52)	ND(54)	ND(59)	ND(56)	ND(58)	ND(52)	ND(54)	ND(57)
PCB-1232	89	µg/kg	ND(57)	ND(290)	ND(52)	ND(54)	ND(59)	ND(56)	ND(58)	ND(52)	ND(54)	ND(57)
PCB-1242	89	µg/kg	ND(57)	ND(290)	ND(52)	ND(54)	ND(59)	ND(56)	ND(58)	ND(52)	ND(54)	ND(57)
PCB-1248	89	µg/kg	ND(57)	ND(290)	ND(52)	ND(54)	ND(59)	ND(56)	ND(58)	ND(52)	ND(54)	ND(57)
PCB-1254	89	µg/kg	**740**	**1,900**	ND(52)	ND(54)	70	56	85	ND(52)	ND(54)	ND(57)
PCB-1260	89	µg/kg	ND(57)	ND(290)	ND(52)	ND(54)	ND(59)	ND(56)	ND(58)	ND(52)	ND(54)	ND(57)
PCB-1262	- -	µg/kg	ND(57)	ND(290)	ND(52)	ND(54)	ND(59)	ND(56)	ND(58)	ND(52)	ND(54)	ND(57)

NOTES:

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PCB = polychlorinated biphenyl

-- = not applicable

TABLE 19
OCP DETECTION FREQUENCY IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Depth (feet bgs)	Minimum Detection (mg/kg)	Maximum Detection (mg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
4,4-DDE	0-1	0.0057	0.013	2	40	5.0
	1-2	--	--	0	5	0.0
Aldrin	0-1	0.18	0.18	1	40	2.5
	1-2	--	--	0	5	0.0
Chlordane	0-1	1.5	1.5	1	40	2.5
	1-2	--	--	0	5	0.0
Dieldrin	0-1	0.019	0.025	2	40	5.0
	1-2	--	--	0	5	0.0

NOTES:

[1]OCPs analyzed for but not listed in this table were not detected.

bgs = below ground surface

mg/kg = milligrams per kilogram

OCP = organochlorine pesticide

TABLE 20
OCP CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S003ALT-0"	S017-0"	S021-6"	S044-0"	S051-0"	S060-0"	S060-18"	S064-0"	S068-0"	S069-0"	S081-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	0 - 0.5	0 - 0.5	1.5 - 2	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			12/20/07	12/04/07	01/19/09	12/20/07	12/20/07	12/13/07	12/13/07	12/14/07	12/13/07	12/13/07	02/01/08
Location ID:	CSL	Unit	S003ALT	S017	S021	S044	S051	S060	S060	S064	S068	S069	S081
4,4-DDD	2,000	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
4,4-DDE	1,400	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
4,4-DDT	1,700	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Aldrin	29	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Alpha BHC	--	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Beta BHC	--	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Chlordane	430	µg/kg	ND(54)	ND(60)	ND(54)	ND(69)	ND(55)	ND(60)	ND(56)	ND(55)	ND(62)	ND(53)	ND(60)
Delta BHC	--	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Dieldrin	2.3	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Endosulfan I	370,000	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Endosulfan II	370,000	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Endosulfan sulfate	--	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Endrin	0.65	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Endrin aldehyde	--	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Endrin Ketone	--	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Heptachlor	13	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Heptachlor epoxide	14	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Lindane	500	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Methoxychlor	19,000	µg/kg	ND(5.4)	ND(6)	ND(5.4)	ND(6.9)	ND(5.5)	ND(6)	ND(5.6)	ND(5.5)	ND(6.2)	ND(5.3)	ND(6)
Toxaphene	0.42	µg/kg	ND(110)	ND(120)	ND(110)	ND(140)	ND(110)	ND(120)	ND(110)	ND(110)	ND(120)	ND(110)	ND(120)

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D = The analyte concentration was reported from analysis of the diluted sample.

D = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

OCP = organochlorine pesticide

-- = not applicable

TABLE 20
OCP CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S087-0"	S096-0"	S100-0"	S108-0"	S115-0"	S146-0"	S148-0"	S149-12"	S154-0"	S162-12"	S162-24"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	1 - 1.5	2 - 2.5
Date Collected:			12/13/07	12/04/07	12/13/07	12/20/07	01/29/08	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07	11/29/07
Location ID:	CSL	Unit	S087	S096	S100	S108	S115	S146	S148	S149	S154	S162	S162
4,4-DDD	2,000	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
4,4-DDE	1,400	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
4,4-DDT	1,700	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Aldrin	29	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Alpha BHC	--	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Beta BHC	--	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Chlordane	430	µg/kg	ND(55)	ND(55)	ND(53)	ND(58)	ND(59)	ND(59)	ND(54)	ND(56)	ND(52)	ND(58)	ND(57)
Delta BHC	--	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Dieldrin	2.3	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	**19**	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Endosulfan I	370,000	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Endosulfan II	370,000	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Endosulfan sulfate	--	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Endrin	0.65	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Endrin aldehyde	--	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Endrin Ketone	--	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Heptachlor	13	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Heptachlor epoxide	14	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Lindane	500	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Methoxychlor	19,000	µg/kg	ND(5.5)	ND(5.5)	ND(5.3)	ND(5.8)	ND(5.9)	ND(5.9)	ND(5.4)	ND(5.6)	ND(5.2)	ND(5.8)	ND(5.7)
Toxaphene	0.42	µg/kg	ND(110)	ND(110)	ND(110)	ND(120)	ND(120)	ND(120)	ND(110)	ND(110)	ND(100)	ND(120)	ND(110)

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D = The analyte concentration was reported from analysis of t

D = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

OCP = organochlorine pesticide

-- = not applicable

TABLE 20
OCP CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Depth (feet bgs): Date Collected: Location ID:	CSL	Unit	S163-0" 0 - 0.5 11/29/07 S163	S172-0" 0 - 0.5 12/17/07 S172	S185-6" 0.5 - 1 01/19/09 S185	S187-0" 0 - 0.5 01/04/08 S187	S191-0" 0 - 0.5 11/26/07 S191	S202-0" 0 - 0.5 11/28/07 S202	S206-0" 0 - 0.5 11/28/07 S206	S209-0" 0 - 0.5 11/26/07 S209	S215-0" 0 - 0.5 11/28/07 S215	S217-0" 0 - 0.5 11/28/07 S217	S229-0" 0 - 0.5 11/28/07 S229
4,4-DDD	2,000	µg/kg	ND(5.6)	ND(5.5)	ND(5.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
4,4-DDE	1,400	µg/kg	ND(5.6)	ND(5.5)	13	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
4,4-DDT	1,700	µg/kg	ND(5.6)	ND(5.5)	ND(5.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Aldrin	29	µg/kg	ND(5.6)	ND(5.5)	**180 D**	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Alpha BHC	--	µg/kg	ND(5.6)	ND(5.5)	ND(5.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Beta BHC	--	µg/kg	ND(5.6)	ND(5.5)	ND(5.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Chlordane	430	µg/kg	ND(56)	ND(55)	**1,500**	ND(57)	ND(52)	ND(55)	ND(52)	ND(54)	ND(53)	ND(52)	ND(52)
Delta BHC	--	µg/kg	ND(5.6)	ND(5.5)	ND(5.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Dieldrin	2.3	µg/kg	ND(5.6)	ND(5.5)	**25**	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Endosulfan I	370,000	µg/kg	ND(5.6)	ND(5.5)	ND(5.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Endosulfan II	370,000	µg/kg	ND(5.6)	ND(5.5)	ND(5.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Endosulfan sulfate	--	µg/kg	ND(5.6)	ND(5.5)	ND(5.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Endrin	0.65	µg/kg	ND(5.6)	ND(5.5)	ND(5.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Endrin aldehyde	--	µg/kg	ND(5.6)	ND(5.5)	ND(5.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Endrin Ketone	--	µg/kg	ND(5.6)	ND(5.5)	ND(5.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Heptachlor	13	µg/kg	ND(5.6)	ND(5.5)	ND(5.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Heptachlor epoxide	14	µg/kg	ND(5.6)	ND(5.5)	ND(5.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Lindane	500	µg/kg	ND(5.6)	ND(5.5)	ND(5.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Methoxychlor	19,000	µg/kg	ND(5.6)	ND(5.5)	ND(5.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(5.2)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.2)
Toxaphene	0.42	µg/kg	ND(110)	ND(110)	ND(100)	ND(110)	ND(100)	ND(110)	ND(100)	ND(110)	ND(110)	ND(100)	ND(100)

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D = The analyte concentration was reported from analysis of t

D = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

OCP = organochlorine pesticide

-- = not applicable

TABLE 20
OCP CONCENTRATIONS IN SURFACE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			S233-0"	S243-0"	S244-0"	S252-0"	S257-0"	S258-0"	S262-0"	S275-0"	S275-12"	S277-0"	S285-0"	S293-0"
Depth (feet bgs):			0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5
Date Collected:			11/28/07	01/29/08	01/28/08	01/29/08	01/03/08	01/03/08	12/13/07	11/29/07	11/29/07	01/31/08	11/28/07	11/26/07
Location ID:	CSL	Unit	S233	S243	S244	S252	S257	S258	S262	S275	S275	S277	S285	S293
4,4-DDD	2,000	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
4,4-DDE	1,400	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	5.7	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
4,4-DDT	1,700	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Aldrin	29	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Alpha BHC	--	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Beta BHC	--	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Chlordane	430	µg/kg	ND(57)	ND(54)	ND(58)	ND(59)	ND(60)	ND(58)	ND(54)	ND(58)	ND(58)	ND(66)	ND(54)	ND(110)
Delta BHC	--	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Dieldrin	2.3	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Endosulfan I	370,000	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Endosulfan II	370,000	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Endosulfan sulfate	--	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Endrin	0.65	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Endrin aldehyde	--	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Endrin Ketone	--	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Heptachlor	13	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Heptachlor epoxide	14	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Lindane	500	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Methoxychlor	19,000	µg/kg	ND(5.7)	ND(5.4)	ND(5.8)	ND(5.9)	ND(6)	ND(5.8)	ND(5.4)	ND(5.8)	ND(5.8)	ND(6.6)	ND(5.4)	ND(11)
Toxaphene	0.42	µg/kg	ND(110)	ND(110)	ND(120)	ND(120)	ND(120)	ND(120)	ND(110)	ND(120)	ND(120)	ND(130)	ND(110)	ND(220)

NOTES

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D = The analyte concentration was reported from analysis of t

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

OCP = organochlorine pesticide

-- = not applicable

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name:		B227-5	B227-10	B227-30	B227-50	B227-70	B227-90	B231-5	B231-50	B232-10	B241-10	B299-10
Sample Depth(Feet):		5 - 6	10 - 11	29 - 30	49 - 50	69 - 70	89 - 90	5 - 6	49 - 50	10 - 11	10 - 11	9.5 - 10.5
Date Collected:		01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/17/08	01/17/08	01/21/08	01/23/08	01/19/09
Location ID:	Units	B227	B227	B227	B227	B227	B227	B231	B231	B232	B241	B299
VOCs - TCLP												
1,1,1,2-Tetrachloroethane	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
1,1,1-Trichloroethane	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
1,1,2,2-Tetrachloroethane	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
1,1,2-Trichloroethane	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
1,1-Dichloroethane	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
1,1-Dichloroethene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
1,1-Dichloropropene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
1,2,3-Trichlorobenzene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
1,2,3-Trichloropropane	ug/L	ND(500)	ND(500)	ND(500)	ND(500)	ND(500)	ND(500)	ND(500)	ND(500)	ND(500)	ND(500)	ND(500)
1,2,4-Trichlorobenzene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
1,2,4-Trimethylbenzene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	1600	ND(100)
1,2-Dibromo-3-Chloropropane	ug/L	ND(500)	ND(500)	ND(500)	ND(500)	ND(500)	ND(500)	ND(500)	ND(500)	ND(500)	ND(500)	ND(500)
1,2-Dibromoethane	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
1,2-Dichlorobenzene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
1,2-Dichloroethane	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
1,2-Dichloropropane	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
1,3,5-Trimethylbenzene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	400	ND(100)
1,3-Dichlorobenzene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
1,3-Dichloropropane	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
1,4-Dichlorobenzene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
2,2-Dichloropropane	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
2-Butanone	ug/L	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)
2-Chlorotoluene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
2-Hexanone	ug/L	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)
4-Chlorotoluene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
4-Methyl-2-Pentanone	ug/L	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)
Acetone	ug/L	ND(5000)	ND(5000)	ND(5000)	ND(5000)	ND(5000)	ND(5000)	ND(5000)	ND(5000)	ND(5000)	ND(5000)	ND(5000)
Benzene	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	130
Bromobenzene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Bromochloromethane	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Bromodichloromethane	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Bromoform	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Bromomethane	ug/L	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)
c-1,2-Dichloroethene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
c-1,3-Dichloropropene	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
Carbon Disulfide	ug/L	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)
Carbon Tetrachloride	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name:	Units	B227-5	B227-10	B227-30	B227-50	B227-70	B227-90	B231-5	B231-50	B232-10	B241-10	B299-10
Sample Depth(Feet):		5 - 6	10 - 11	29 - 30	49 - 50	69 - 70	89 - 90	5 - 6	49 - 50	10 - 11	10 - 11	9.5 - 10.5
Date Collected:		01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/17/08	01/17/08	01/21/08	01/23/08	01/19/09
Location ID:		B227	B227	B227	B227	B227	B227	B231	B231	B232	B241	B299
Chlorobenzene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Chloroethane	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Chloroform	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Chloromethane	ug/L	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)
Dibromochloromethane	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Dibromomethane	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Dichlorodifluoromethane	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Ethylbenzene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Isopropylbenzene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Methylene Chloride	ug/L	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1100 B)	ND(1100 B)	ND(1000)	ND(1000)	ND(1000)
Methyl-t-Butyl Ether (MTBE)	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Naphthalene	ug/L	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)
n-Butylbenzene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
n-Propy benzene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	110	ND(100)
o-Xylene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
p/m-Xylene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	470	ND(100)
p-Isopropyltoluene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
sec-Butylbenzene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Styrene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
t-1,2-Dichloroethene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
t-1,3-Dichloropropene	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
tert-Butylbenzene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Tetrachloroethene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Toluene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Trichloroethene	ug/L	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)	ND(100)
Trichlorofluoromethane	ug/L	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)
Vinyl Acetate	ug/L	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)	ND(1000)
Vinyl Chloride	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
VOCs - SPLP												
1,1,1,2-Tetrachloroethane	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
1,1,1-Trichloroethane	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
1,1,2,2-Tetrachloroethane	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NA
1,1,2-Trichloroethane	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
1,1-Dichloroethane	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
1,1-Dichloroethene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
1,1-Dichloropropene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
1,2,3-Trichlorobenzene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name:	Units	B227-5	B227-10	B227-30	B227-50	B227-70	B227-90	B231-5	B231-50	B232-10	B241-10	B299-10
Sample Depth(Feet):		5 - 6	10 - 11	29 - 30	49 - 50	69 - 70	89 - 90	5 - 6	49 - 50	10 - 11	10 - 11	9.5 - 10.5
Date Collected:		01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/17/08	01/17/08	01/21/08	01/23/08	01/19/09
Location ID:		B227	B227	B227	B227	B227	B227	B231	B231	B232	B241	B299
1,2,3-Trichloropropane	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	NA
1,2,4-Trichlorobenzene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
1,2,4-Trimethylbenzene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
1,2-Dibromo-3-Chloropropane	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	NA
1,2-Dibromoethane	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
1,2-Dichlorobenzene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
1,2-Dichloroethane	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	NA
1,2-Dichloropropane	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
1,3,5-Trimethylbenzene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	2.1	ND(1)	ND(1)	ND(1)	ND(1)	170	NA
1,3-Dichlorobenzene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
1,3-Dichloropropane	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
1,4-Dichlorobenzene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
2,2-Dichloropropane	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
2-Butanone	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	17	NA
2-Chlorotoluene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
2-Hexanone	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NA
4-Chlorotoluene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
4-Methyl-2-Pentanone	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NA
Acetone	ug/L	ND(50)	ND(50)	ND(50)	52	55	ND(50)	ND(50)	ND(50)	ND(50)	470 D	NA
Benzene	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	6.3	ND(0.5)	NA
Bromobenzene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
Bromochloromethane	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
Bromodichloromethane	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
Bromoform	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
Bromomethane	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NA
c-1,2-Dichloroethene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
c-1,3-Dichloropropene	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	NA
Carbon Disulfide	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NA
Carbon Tetrachloride	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	NA
Chlorobenzene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
Chloroethane	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
Chloroform	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
Chloromethane	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NA
Dibromochloromethane	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
Dibromomethane	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
Dichlorodifluoromethane	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
Ethylbenzene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	1.1	43	NA
Isopropylbenzene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	2.1	ND(1)	ND(1)	ND(1)	ND(1)	22	NA

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name:	Units	B227-5	B227-10	B227-30	B227-50	B227-70	B227-90	B231-5	B231-50	B232-10	B241-10	B299-10
Sample Depth(Feet):		5 - 6	10 - 11	29 - 30	49 - 50	69 - 70	89 - 90	5 - 6	49 - 50	10 - 11	10 - 11	9.5 - 10.5
Date Collected:		01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/17/08	01/17/08	01/21/08	01/23/08	01/19/09
Location ID:		B227	B227	B227	B227	B227	B227	B231	B231	B232	B241	B299
Methylene Chloride	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	11	10	ND(10)	ND(10)	NA
Methyl-t-Butyl Ether (MTBE)	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	41	1.2	NA
Naphthalene	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NA
n-Butylbenzene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
n-Propy benzene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	17	NA
o-Xylene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	1.8	ND(1)	ND(1)	ND(1)	1.8	6.1	NA
p/m-Xylene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.2	ND(1)	NA
p-Isopropyltoluene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	15	NA
sec-Butylbenzene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.4	NA
Styrene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
t-1,2-Dichloroethene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
t-1,3-Dichloropropene	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	NA
tert-Butylbenzene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	1.3	NA
Tetrachloroethene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
Toluene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	17	ND(1)	NA
Trichloroethene	ug/L	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	NA
Trichlorofluoromethane	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NA
Vinyl Acetate	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	NA
Vinyl Chloride	ug/L	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	NA
SVOCs - TCLP												
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
1-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
2,4,5-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
2,4,6-Trichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
2,4-Dichlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
2,4-Dimethylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
2,4-Dinitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(500)
2,4-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(130)
2,6-Dinitrotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
2-Chloronaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
2-Chlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
2-Methylnaphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
2-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
2-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name:	Units	B227-5	B227-10	B227-30	B227-50	B227-70	B227-90	B231-5	B231-50	B232-10	B241-10	B299-10
Sample Depth(Feet):		5 - 6	10 - 11	29 - 30	49 - 50	69 - 70	89 - 90	5 - 6	49 - 50	10 - 11	10 - 11	9.5 - 10.5
Date Collected:		01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/17/08	01/17/08	01/21/08	01/23/08	01/19/09
Location ID:		B227	B227	B227	B227	B227	B227	B231	B231	B232	B241	B299
3,3'-Dichlorobenzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
3/4-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
3-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
4,6-Dinitro-2-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(500)
4-Bromophenyl-Phenyl Ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
4-Chloro-3-Methylphenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
4-Chloroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(500)
4-Chlorophenyl-Phenyl Ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
4-Nitroaniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
4-Nitrophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(500)
Acenaphthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Acenaphthylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Aniline	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Azobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Benzidine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(500)
Benzo(a)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Benzo(a)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Benzo(b)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Benzo(ghi)perylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Benzo(k)fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Benzoic Acid	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(500)
Benzyl Alcohol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Bis(2-Chloroethoxy) Methane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Bis(2-Chloroethyl) Ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Bis(2-Chloroisopropyl) Ether	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Bis(2-Ethylhexyl) Phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Butyl Benzyl Phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Chrysene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Dibenzo(a,h)anthracene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Dibenzofuran	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Diethyl Phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Dimethyl Phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Di-n-Butyl Phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Di-n-Octyl Phthalate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Fluoranthene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Fluorene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Hexachlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(130)

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name:	Units	B227-5	B227-10	B227-30	B227-50	B227-70	B227-90	B231-5	B231-50	B232-10	B241-10	B299-10
Sample Depth(Feet):		5 - 6	10 - 11	29 - 30	49 - 50	69 - 70	89 - 90	5 - 6	49 - 50	10 - 11	10 - 11	9.5 - 10.5
Date Collected:		01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/17/08	01/17/08	01/21/08	01/23/08	01/19/09
Location ID:		B227	B227	B227	B227	B227	B227	B231	B231	B232	B241	B299
Hexachlorobutadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Hexachlorocyclopentadiene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(2500)
Hexachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Isophorone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Naphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Nitrobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
N-Nitrosodimethylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
N-Nitroso-di-n-propylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
N-Nitrosodiphenylamine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Pentachlorophenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(500)
Phenanthrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Phenol	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Pyrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
Pyridine	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(250)
PCBs - TCLP												
PCB-1016	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1221	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1232	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1242	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1248	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1254	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1260	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1262	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals - TCLP												
Chromium	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	3.42	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals - SPLP												
Lead	mg/L	3.21	0.119	ND(0.01)	0.0191	ND(0.01)	ND(0.01)	NA	NA	NA	NA	NA
Pesticides - TCLP												
Chlordane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor epoxide	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lindane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name:		B227-5	B227-10	B227-30	B227-50	B227-70	B227-90	B231-5	B231-50	B232-10	B241-10	B299-10
Sample Depth(Feet):		5 - 6	10 - 11	29 - 30	49 - 50	69 - 70	89 - 90	5 - 6	49 - 50	10 - 11	10 - 11	9.5 - 10.5
Date Collected:		01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/17/08	01/17/08	01/21/08	01/23/08	01/19/09
Location ID:	Units	B227	B227	B227	B227	B227	B227	B231	B231	B232	B241	B299
Methoxychlor	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

bgs = below ground surface
ID = identifica ion
mg/L = milligrams per liter
µg/L = micrograms per liter
NA = not analyzed
ND = analyte not detected at reporting limit s

OCPs = organochlorine pes icides
PCBs = polychlorinated biphenyls
SPLP = Synthetic Precipitation Leaching Procedure
SVOCs = semivolatile organic compounds
TCLP = Toxicity Characteris ic Leaching Procedure
VOCs = vola ile organic compounds

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name:		B299-30	S009-12"	S018-0"	S026-0"	S044-0"	S045-0"	S047-6"	S048-0"	S064-18"	S085-0"	S096-0"
Sample Depth(Feet):		29.5 - 30.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	1.5 - 2	0 - 0.5	0 - 0.5
Date Collected:		01/19/09	12/17/07	12/20/07	12/18/07	12/20/07	12/20/07	01/20/09	01/07/08	12/14/07	12/04/07	12/04/07
Location ID:	Units	B299	S009	S018	S026	S044	S045	S047	S048	S064	S085	S096
VOCs - TCLP												
1,1,1,2-Tetrachloroethane	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,1,1-Trichloroethane	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,1,2-Trichloroethane	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,1-Dichloroethane	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,1-Dichloroethene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,1-Dichloropropene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,2,3-Trichlorobenzene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,2,3-Trichloropropane	ug/L	ND(500)	ND(500)	NA	NA	ND(500)	NA	ND(500)	NA	ND(500)	NA	NA
1,2,4-Trichlorobenzene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,2,4-Trimethylbenzene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,2-Dibromo-3-Chloropropane	ug/L	ND(500)	ND(500)	NA	NA	ND(500)	NA	ND(500)	NA	ND(500)	NA	NA
1,2-Dibromoethane	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,2-Dichlorobenzene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,2-Dichloroethane	ug/L	ND(50)	ND(50)	NA	NA	ND(50)	NA	ND(50)	NA	ND(50)	NA	NA
1,2-Dichloropropane	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,3,5-Trimethylbenzene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,3-Dichlorobenzene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,3-Dichloropropane	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
1,4-Dichlorobenzene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
2,2-Dichloropropane	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
2-Butanone	ug/L	ND(1000)	ND(1000)	NA	NA	ND(1000)	NA	ND(1000)	NA	ND(1000)	NA	NA
2-Chlorotoluene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
2-Hexanone	ug/L	ND(1000)	ND(1000)	NA	NA	ND(1000)	NA	ND(1000)	NA	ND(1000)	NA	NA
4-Chlorotoluene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
4-Methyl-2-Pentanone	ug/L	ND(1000)	ND(1000)	NA	NA	ND(1000)	NA	ND(1000)	NA	ND(1000)	NA	NA
Acetone	ug/L	ND(5000)	ND(5000)	NA	NA	ND(5000)	NA	ND(5000)	NA	ND(5000)	NA	NA
Benzene	ug/L	320	ND(50)	NA	NA	ND(50)	NA	ND(50)	NA	ND(50)	NA	NA
Bromobenzene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Bromochloromethane	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Bromodichloromethane	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Bromoform	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Bromomethane	ug/L	ND(1000)	ND(1000)	NA	NA	ND(1000)	NA	ND(1000)	NA	ND(1000)	NA	NA
c-1,2-Dichloroethene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
c-1,3-Dichloropropene	ug/L	ND(50)	ND(50)	NA	NA	ND(50)	NA	ND(50)	NA	ND(50)	NA	NA
Carbon Disulfide	ug/L	ND(1000)	ND(1000)	NA	NA	ND(1000)	NA	ND(1000)	NA	ND(1000)	NA	NA
Carbon Tetrachloride	ug/L	ND(50)	ND(50)	NA	NA	ND(50)	NA	ND(50)	NA	ND(50)	NA	NA

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name: Sample Depth(Feet): Date Collected: Location ID:	Units	B299-30 29.5 - 30.5 01/19/09 B299	S009-12" 1 - 1.5 12/17/07 S009	S018-0" 0 - 0.5 12/20/07 S018	S026-0" 0 - 0.5 12/18/07 S026	S044-0" 0 - 0.5 12/20/07 S044	S045-0" 0 - 0.5 12/20/07 S045	S047-6" 0.5 - 1 01/20/09 S047	S048-0" 0 - 0.5 01/07/08 S048	S064-18" 1.5 - 2 12/14/07 S064	S085-0" 0 - 0.5 12/04/07 S085	S096-0" 0 - 0.5 12/04/07 S096
Chlorobenzene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Chloroethane	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Chloroform	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Chloromethane	ug/L	ND(1000)	ND(1000)	NA	NA	ND(1000)	NA	ND(1000)	NA	ND(1000)	NA	NA
Dibromochloromethane	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Dibromomethane	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Dichlorodifluoromethane	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Ethylbenzene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Isopropylbenzene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Methylene Chloride	ug/L	ND(1000)	ND(1000)	NA	NA	ND(1000)	NA	ND(1000)	NA	ND(1000)	NA	NA
Methyl-t-Butyl Ether (MTBE)	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Naphthalene	ug/L	ND(1000)	ND(1000)	NA	NA	ND(1000)	NA	ND(1000)	NA	ND(1000)	NA	NA
n-Buty benzene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
n-Propylbenzene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
o-Xylene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
p/m-Xylene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
p-Isopropyltoluene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
sec-Butylbenzene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Styrene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
t-1,2-Dichloroethene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
t-1,3-Dichloropropene	ug/L	ND(50)	ND(50)	NA	NA	ND(50)	NA	ND(50)	NA	ND(50)	NA	NA
tert-Butylbenzene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Tetrachloroethene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Toluene	ug/L	350	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Trichloroethene	ug/L	ND(100)	ND(100)	NA	NA	ND(100)	NA	ND(100)	NA	ND(100)	NA	NA
Trichlorofluoromethane	ug/L	ND(1000)	ND(1000)	NA	NA	ND(1000)	NA	ND(1000)	NA	ND(1000)	NA	NA
Vinyl Acetate	ug/L	ND(1000)	ND(1000)	NA	NA	ND(1000)	NA	ND(1000)	NA	ND(1000)	NA	NA
Vinyl Chloride	ug/L	ND(50)	ND(50)	NA	NA	ND(50)	NA	ND(50)	NA	ND(50)	NA	NA
VOCs - SPLP												
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name: Sample Depth(Feet): Date Collected: Location ID:	Units	B299-30 29.5 - 30.5 01/19/09 B299	S009-12" 1 - 1.5 12/17/07 S009	S018-0" 0 - 0.5 12/20/07 S018	S026-0" 0 - 0.5 12/18/07 S026	S044-0" 0 - 0.5 12/20/07 S044	S045-0" 0 - 0.5 12/20/07 S045	S047-6" 0.5 - 1 01/20/09 S047	S048-0" 0 - 0.5 01/07/08 S048	S064-18" 1.5 - 2 12/14/07 S064	S085-0" 0 - 0.5 12/04/07 S085	S096-0" 0 - 0.5 12/04/07 S096
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-Chloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
c-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
c-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name: Sample Depth(Feet): Date Collected: Location ID:	Units	B299-30 29.5 - 30.5 01/19/09 B299	S009-12" 1 - 1.5 12/17/07 S009	S018-0" 0 - 0.5 12/20/07 S018	S026-0" 0 - 0.5 12/18/07 S026	S044-0" 0 - 0.5 12/20/07 S044	S045-0" 0 - 0.5 12/20/07 S045	S047-6" 0.5 - 1 01/20/09 S047	S048-0" 0 - 0.5 01/07/08 S048	S064-18" 1.5 - 2 12/14/07 S064	S085-0" 0 - 0.5 12/04/07 S085	S096-0" 0 - 0.5 12/04/07 S096
Methylene Chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-t-Butyl Ether (MTBE)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Buty benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p/m-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
t-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
t-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs - TCLP												
1,2,4-Trichlorobenzene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
1,2-Dichlorobenzene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
1,3-Dichlorobenzene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
1,4-Dichlorobenzene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
1-Methylnaphthalene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
2,4,5-Trichlorophenol	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
2,4-Dichlorophenol	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
2,4-Dimethylphenol	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
2,4-Dinitrophenol	ug/L	ND(500)	NA	NA	NA	NA	NA	ND(500)	ND(500)	NA	NA	NA
2,4-Dinitrotoluene	ug/L	ND(130)	NA	NA	NA	NA	NA	ND(130)	ND(130)	NA	NA	NA
2,6-Dinitrotoluene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
2-Chloronaphthalene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
2-Chlorophenol	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
2-Methylnaphthalene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
2-Methylphenol	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
2-Nitroaniline	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
2-Nitrophenol	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name: Sample Depth(Feet): Date Collected: Location ID:	Units	B299-30 29.5 - 30.5 01/19/09 B299	S009-12" 1 - 1.5 12/17/07 S009	S018-0" 0 - 0.5 12/20/07 S018	S026-0" 0 - 0.5 12/18/07 S026	S044-0" 0 - 0.5 12/20/07 S044	S045-0" 0 - 0.5 12/20/07 S045	S047-6" 0.5 - 1 01/20/09 S047	S048-0" 0 - 0.5 01/07/08 S048	S064-18" 1.5 - 2 12/14/07 S064	S085-0" 0 - 0.5 12/04/07 S085	S096-0" 0 - 0.5 12/04/07 S096
3,3'-Dichlorobenzidine	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
3/4-Methylphenol	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
3-Nitroaniline	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
4,6-Dinitro-2-Methylphenol	ug/L	ND(500)	NA	NA	NA	NA	NA	ND(500)	ND(500)	NA	NA	NA
4-Bromophenyl-Phenyl Ether	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
4-Chloro-3-Methylphenol	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
4-Chloroaniline	ug/L	ND(500)	NA	NA	NA	NA	NA	ND(500)	ND(500)	NA	NA	NA
4-Chlorophenyl-Phenyl Ether	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
4-Nitroaniline	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
4-Nitrophenol	ug/L	ND(500)	NA	NA	NA	NA	NA	ND(500)	ND(500)	NA	NA	NA
Acenaphthene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Acenaphthylene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Aniline	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Anthracene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Azobenzene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Benzidine	ug/L	ND(500)	NA	NA	NA	NA	NA	ND(500)	ND(500)	NA	NA	NA
Benzo(a)anthracene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Benzo(a)pyrene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Benzo(b)fluoranthene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Benzo(ghi)perylene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Benzo(k)fluoranthene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Benzoic Acid	ug/L	ND(500)	NA	NA	NA	NA	NA	ND(500)	ND(500)	NA	NA	NA
Benzyl Alcohol	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Bis(2-Chloroethoxy) Methane	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Bis(2-Chloroethyl) Ether	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Bis(2-Chloroisopropyl) Ether	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Bis(2-Ethylhexyl) Phthalate	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Butyl Benzyl Phthalate	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Chrysene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Dibenzo(a,h)anthracene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Dibenzofuran	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Diethyl Phthalate	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Dimethyl Phthalate	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Di-n-Butyl Phthalate	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Di-n-Octyl Phthalate	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Fluoranthene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Fluorene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Hexachlorobenzene	ug/L	ND(130)	NA	NA	NA	NA	NA	ND(130)	ND(130)	NA	NA	NA

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name:		B299-30	S009-12"	S018-0"	S026-0"	S044-0"	S045-0"	S047-6"	S048-0"	S064-18"	S085-0"	S096-0"
Sample Depth(Feet):		29.5 - 30.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	1.5 - 2	0 - 0.5	0 - 0.5
Date Collected:		01/19/09	12/17/07	12/20/07	12/18/07	12/20/07	12/20/07	01/20/09	01/07/08	12/14/07	12/04/07	12/04/07
Location ID:	Units	B299	S009	S018	S026	S044	S045	S047	S048	S064	S085	S096
Hexachlorobutadiene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Hexachlorocyclopentadiene	ug/L	ND(2500)	NA	NA	NA	NA	NA	ND(2500)	ND(2500)	NA	NA	NA
Hexachloroethane	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Isophorone	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Naphthalene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Nitrobenzene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
N-Nitrosodimethylamine	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
N-Nitroso-di-n-propylamine	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
N-Nitrosodiphenylamine	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Pentachlorophenol	ug/L	ND(500)	NA	NA	NA	NA	NA	ND(500)	ND(500)	NA	NA	NA
Phenanthrene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Phenol	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Pyrene	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
Pyridine	ug/L	ND(250)	NA	NA	NA	NA	NA	ND(250)	ND(250)	NA	NA	NA
PCBs - TCLP												
PCB-1016	ug/L	NA	NA	ND(10)	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1221	ug/L	NA	NA	ND(10)	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1232	ug/L	NA	NA	ND(10)	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1242	ug/L	NA	NA	ND(10)	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1248	ug/L	NA	NA	ND(10)	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1254	ug/L	NA	NA	ND(10)	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1260	ug/L	NA	NA	ND(10)	NA	NA	NA	NA	NA	NA	NA	NA
PCB-1262	ug/L	NA	NA	ND(10)	NA	NA	NA	NA	NA	NA	NA	NA
Metals - TCLP												
Chromium	mg/L	NA	NA	NA	NA	NA	0.336	NA	ND(0.05)	NA	NA	NA
Lead	mg/L	NA	0.648	NA	NA	0.101	NA	NA	2.8	ND(0.1)	ND(0.1)	ND(0.1)
Mercury	mg/L	NA	NA	NA	ND(0.005)	NA	NA	NA	NA	NA	NA	NA
Metals - SPLP												
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides - TCLP												
Chlordane	ug/L	NA	NA	ND(10)	NA	ND(10)	NA	NA	NA	NA	NA	NA
Dieldrin	ug/L	NA	NA	ND(1)	NA	ND(1)	NA	NA	NA	NA	NA	NA
Endrin	ug/L	NA	NA	ND(1)	NA	ND(1)	NA	NA	NA	NA	NA	NA
Endrin Ketone	ug/L	NA	NA	ND(1)	NA	ND(1)	NA	NA	NA	NA	NA	NA
Heptachlor	ug/L	NA	NA	ND(1)	NA	ND(1)	NA	NA	NA	NA	NA	NA
Heptachlor epoxide	ug/L	NA	NA	ND(1)	NA	ND(1)	NA	NA	NA	NA	NA	NA
Lindane	ug/L	NA	NA	ND(1)	NA	ND(1)	NA	NA	NA	NA	NA	NA

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name:		B299-30	S009-12"	S018-0"	S026-0"	S044-0"	S045-0"	S047-6"	S048-0"	S064-18"	S085-0"	S096-0"
Sample Depth(Feet):		29.5 - 30.5	1 - 1.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0.5 - 1	0 - 0.5	1.5 - 2	0 - 0.5	0 - 0.5
Date Collected:		01/19/09	12/17/07	12/20/07	12/18/07	12/20/07	12/20/07	01/20/09	01/07/08	12/14/07	12/04/07	12/04/07
Location ID:	Units	B299	S009	S018	S026	S044	S045	S047	S048	S064	S085	S096
Methoxychlor	ug/L	NA	NA	ND(1)	NA	ND(1)	NA	NA	NA	NA	NA	NA
Toxaphene	ug/L	NA	NA	ND(10)	NA	ND(10)	NA	NA	NA	NA	NA	NA

NOTES: **NOTES:**

bgs = below bgs = below ground surface
ID = identifi ID = identification
mg/L = mill mg/L = milligrams per liter
µg/L = micr µg/L = micrograms per liter
NA = not a NA = not analyzed
ND = analy ND = analyte not detected at reporting limit shown

OCPs = organochlorine pesticides
PCBs = polychlorinated biphenyls
SPLP = Synthetic Precipitation Leaching Procedure
SVOCs = semivola ile organic compounds
TCLP = Toxicity Characteristic Leaching Procedure
VOCs = volatile organic compounds

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name: Sample Depth(Feet): Date Collected: Location ID:	Units	S126-0" 0 - 0.5 01/07/08 S126	S137-0" 0 - 0.5 11/29/07 S137	S145-0" 0 - 0.5 01/07/08 S145	S160-0" 0 - 0.5 01/07/08 S160	S172-0" 0 - 0.5 12/17/07 S172	S224-0" 0 - 0.5 11/28/07 S224	S233-0" 0 - 0.5 11/28/07 S233	S280-0" 0 - 0.5 01/03/08 S280
VOCs - TCLP									
1,1,1,2-Tetrachloroethane	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ug/L	ND(500)	NA	ND(500)	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,2-Dibromo-3-Chloropropane	ug/L	ND(500)	NA	ND(500)	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	ND(50)	NA	ND(50)	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
2-Butanone	ug/L	ND(1000)	NA	ND(1000)	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
2-Hexanone	ug/L	ND(1000)	NA	ND(1000)	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	ND(1000)	NA	ND(1000)	NA	NA	NA	NA	NA
Acetone	ug/L	ND(5000)	NA	ND(5000)	NA	NA	NA	NA	NA
Benzene	ug/L	ND(50)	NA	ND(50)	NA	NA	NA	NA	NA
Bromobenzene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Bromoform	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Bromomethane	ug/L	ND(1000)	NA	ND(1000)	NA	NA	NA	NA	NA
c-1,2-Dichloroethene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
c-1,3-Dichloropropene	ug/L	ND(50)	NA	ND(50)	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	ND(1000)	NA	ND(1000)	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	ND(50)	NA	ND(50)	NA	NA	NA	NA	NA

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name: Sample Depth(Feet): Date Collected: Location ID:	Units	S126-0" 0 - 0.5 01/07/08 S126	S137-0" 0 - 0.5 11/29/07 S137	S145-0" 0 - 0.5 01/07/08 S145	S160-0" 0 - 0.5 01/07/08 S160	S172-0" 0 - 0.5 12/17/07 S172	S224-0" 0 - 0.5 11/28/07 S224	S233-0" 0 - 0.5 11/28/07 S233	S280-0" 0 - 0.5 01/03/08 S280
Chlorobenzene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Chloroethane	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Chloroform	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Chloromethane	ug/L	ND(1000)	NA	ND(1000)	NA	NA	NA	NA	NA
Dibromochloromethane	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Dibromomethane	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Dichlorodifluoromethane	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Isopropy benzene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Methylene Chloride	ug/L	ND(1000)	NA	ND(1000)	NA	NA	NA	NA	NA
Methyl-t-Butyl Ether (MTBE)	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Naphthalene	ug/L	ND(1000)	NA	ND(1000)	NA	NA	NA	NA	NA
n-Butylbenzene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
o-Xylene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
p/m-Xylene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
p-Isopropyltoluene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Styrene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
t-1,2-Dichloroethene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
t-1,3-Dichloropropene	ug/L	ND(50)	NA	ND(50)	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Toluene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Trichloroethene	ug/L	ND(100)	NA	ND(100)	NA	NA	NA	NA	NA
Trichlorofluoromethane	ug/L	ND(1000)	NA	ND(1000)	NA	NA	NA	NA	NA
Vinyl Acetate	ug/L	ND(1000)	NA	ND(1000)	NA	NA	NA	NA	NA
Vinyl Chloride	ug/L	ND(50)	NA	ND(50)	NA	NA	NA	NA	NA
VOCs - SPLP									
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name: Sample Depth(Feet): Date Collected: Location ID:	Units	S126-0" 0 - 0.5 01/07/08 S126	S137-0" 0 - 0.5 11/29/07 S137	S145-0" 0 - 0.5 01/07/08 S145	S160-0" 0 - 0.5 01/07/08 S160	S172-0" 0 - 0.5 12/17/07 S172	S224-0" 0 - 0.5 11/28/07 S224	S233-0" 0 - 0.5 11/28/07 S233	S280-0" 0 - 0.5 01/03/08 S280
1,2,3-Trichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-Chloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Bromobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
c-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
c-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Isopropy benzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name: Sample Depth(Feet): Date Collected: Location ID:	Units	S126-0" 0 - 0.5 01/07/08 S126	S137-0" 0 - 0.5 11/29/07 S137	S145-0" 0 - 0.5 01/07/08 S145	S160-0" 0 - 0.5 01/07/08 S160	S172-0" 0 - 0.5 12/17/07 S172	S224-0" 0 - 0.5 11/28/07 S224	S233-0" 0 - 0.5 11/28/07 S233	S280-0" 0 - 0.5 01/03/08 S280
Methylene Chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Methyl-t-Butyl Ether (MTBE)	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
p/m-Xylene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
t-1,2-Dichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
t-1,3-Dichloropropene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Acetate	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	ug/L	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs - TCLP									
1,2,4-Trichlorobenzene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
1,2-Dichlorobenzene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
1,3-Dichlorobenzene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
1,4-Dichlorobenzene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
1-Methylnaphthalene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
2,4,5-Trichlorophenol	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
2,4,6-Trichlorophenol	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
2,4-Dichlorophenol	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
2,4-Dimethylphenol	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
2,4-Dinitrophenol	ug/L	NA	NA	ND(500)	NA	NA	NA	NA	ND(500)
2,4-Dinitrotoluene	ug/L	NA	NA	ND(130)	NA	NA	NA	NA	ND(130)
2,6-Dinitrotoluene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
2-Chloronaphthalene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
2-Chlorophenol	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
2-Methylnaphthalene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
2-Methylphenol	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
2-Nitroaniline	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
2-Nitrophenol	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name: Sample Depth(Feet): Date Collected: Location ID:	Units	S126-0" 0 - 0.5 01/07/08 S126	S137-0" 0 - 0.5 11/29/07 S137	S145-0" 0 - 0.5 01/07/08 S145	S160-0" 0 - 0.5 01/07/08 S160	S172-0" 0 - 0.5 12/17/07 S172	S224-0" 0 - 0.5 11/28/07 S224	S233-0" 0 - 0.5 11/28/07 S233	S280-0" 0 - 0.5 01/03/08 S280
3,3'-Dichlorobenzidine	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
3/4-Methylphenol	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
3-Nitroaniline	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
4,6-Dinitro-2-Methylphenol	ug/L	NA	NA	ND(500)	NA	NA	NA	NA	ND(500)
4-Bromophenyl-Phenyl Ether	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
4-Chloro-3-Methylphenol	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
4-Chloroaniline	ug/L	NA	NA	ND(500)	NA	NA	NA	NA	ND(500)
4-Chlorophenyl-Phenyl Ether	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
4-Nitroaniline	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
4-Nitrophenol	ug/L	NA	NA	ND(500)	NA	NA	NA	NA	ND(500)
Acenaphthene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Acenaphthylene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Aniline	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Anthracene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Azobenzene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Benzidine	ug/L	NA	NA	ND(500)	NA	NA	NA	NA	ND(500)
Benzo(a)anthracene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Benzo(a)pyrene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Benzo(b)fluoranthene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Benzo(ghi)perylene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Benzo(k)fluoranthene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Benzoic Acid	ug/L	NA	NA	ND(500)	NA	NA	NA	NA	ND(500)
Benzyl Alcohol	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Bis(2-Chloroethoxy) Methane	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Bis(2-Chloroethyl) Ether	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Bis(2-Chloroisopropyl) Ether	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Bis(2-Ethylhexyl) Phthalate	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Butyl Benzyl Phthalate	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Chrysene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Dibenzo(a,h)anthracene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Dibenzofuran	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Diethyl Phthalate	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Dimethyl Phthalate	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Di-n-Butyl Phthalate	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Di-n-Octyl Phthalate	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Fluoranthene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Fluorene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Hexachlorobenzene	ug/L	NA	NA	ND(130)	NA	NA	NA	NA	ND(130)

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name: Sample Depth(Feet): Date Collected: Location ID:	Units	S126-0" 0 - 0.5 01/07/08 S126	S137-0" 0 - 0.5 11/29/07 S137	S145-0" 0 - 0.5 01/07/08 S145	S160-0" 0 - 0.5 01/07/08 S160	S172-0" 0 - 0.5 12/17/07 S172	S224-0" 0 - 0.5 11/28/07 S224	S233-0" 0 - 0.5 11/28/07 S233	S280-0" 0 - 0.5 01/03/08 S280
Hexachlorobutadiene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Hexachlorocyclopentadiene	ug/L	NA	NA	ND(2500)	NA	NA	NA	NA	ND(2500)
Hexachloroethane	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Indeno(1,2,3-cd)pyrene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Isophorone	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Naphthalene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Nitrobenzene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
N-Nitrosodimethylamine	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
N-Nitroso-di-n-propylamine	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
N-Nitrosodiphenylamine	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Pentachlorophenol	ug/L	NA	NA	ND(500)	NA	NA	NA	NA	ND(500)
Phenanthrene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Phenol	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Pyrene	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
Pyridine	ug/L	NA	NA	ND(250)	NA	NA	NA	NA	ND(250)
PCBs - TCLP									
PCB-1016	ug/L	ND(10)	NA	NA	NA	NA	NA	NA	ND(10)
PCB-1221	ug/L	ND(10)	NA	NA	NA	NA	NA	NA	ND(10)
PCB-1232	ug/L	ND(10)	NA	NA	NA	NA	NA	NA	ND(10)
PCB-1242	ug/L	ND(10)	NA	NA	NA	NA	NA	NA	ND(10)
PCB-1248	ug/L	ND(10)	NA	NA	NA	NA	NA	NA	ND(10)
PCB-1254	ug/L	ND(10)	NA	NA	NA	NA	NA	NA	ND(10)
PCB-1260	ug/L	ND(10)	NA	NA	NA	NA	NA	NA	ND(10)
PCB-1262	ug/L	ND(10)	NA	NA	NA	NA	NA	NA	ND(10)
Metals - TCLP									
Chromium	mg/L	NA	1.11	NA	NA	NA	NA	ND(0.05)	NA
Lead	mg/L	0.122	ND(0.1)	ND(0.1)	ND(0.1)	NA	0.229	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Metals - SPLP									
Lead	mg/L	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides - TCLP									
Chlordane	ug/L	ND(10)	NA	NA	NA	ND(10)	NA	NA	NA
Dieldrin	ug/L	ND(1)	NA	NA	NA	ND(1)	NA	NA	NA
Endrin	ug/L	ND(1)	NA	NA	NA	ND(1)	NA	NA	NA
Endrin Ketone	ug/L	ND(1)	NA	NA	NA	ND(1)	NA	NA	NA
Heptachlor	ug/L	ND(1)	NA	NA	NA	ND(1)	NA	NA	NA
Heptachlor epoxide	ug/L	ND(1)	NA	NA	NA	ND(1)	NA	NA	NA
Lindane	ug/L	ND(1)	NA	NA	NA	ND(1)	NA	NA	NA

TABLE 21
TCLP AND SPLP RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample Name: Sample Depth(Feet): Date Collected: Location ID:	Units	S126-0" 0 - 0.5 01/07/08 S126	S137-0" 0 - 0.5 11/29/07 S137	S145-0" 0 - 0.5 01/07/08 S145	S160-0" 0 - 0.5 01/07/08 S160	S172-0" 0 - 0.5 12/17/07 S172	S224-0" 0 - 0.5 11/28/07 S224	S233-0" 0 - 0.5 11/28/07 S233	S280-0" 0 - 0.5 01/03/08 S280
Methoxychlor	ug/L	ND(1)	NA	NA	NA	ND(1)	NA	NA	NA
Toxaphene	ug/L	ND(10)	NA	NA	NA	ND(10)	NA	NA	NA

NOTES: **NOTES:**

bgs = below bgs = below ground surface
ID = identifi ID = iden ification
mg/L = mill mg/L = milligrams per liter
µg/L = micr µg/L = micrograms per liter
NA = not a NA = not analyzed
ND = analy ND = analyte not detected at reporting limit show

OCPs = organochlorine pesticides
PCBs = polychlorinated biphenyls
SPLP = Syn hetic Precipitation Leaching Procedure
SVOCs = semivolatile organic compounds
TCLP = Toxicity Characteristic Leaching Procedure
VOCs = volatile organic compounds

TABLE 22
TPH DETECTION FREQUENCY IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte	Approximate Depth[1] (feet bgs)	Minimum Detection (mg/kg)	Maximum Detection (mg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
C_6 to C_{10}	5	0.19	4670	7	20	35
	10	0.42	5670	10	20	50
	20	0.11	6530	3	4	75
	30	0.39	4310	8	20	40
	40	582	5260	3	4	75
	50	0.19	6440	7	20	35
	60	4.6	15700	4	4	100
	70	0.48	4060	8	20	40
	80	266	6130	4	4	100
	90	0.41	2800	9	20	45
C_{10} to C_{22}	5	5.61	7680	16	20	80
	10	0.98	9450	14	20	70
	20	5.01	11800	3	4	75
	30	0.79	4770	14	20	70
	40	3.19	4990	4	4	100
	50	2.61	38600	15	20	75
	60	15.2	13600	4	4	100
	70	1.78	4720	13	20	65
	80	598	5540	4	4	100
	90	1.04	3180	14	20	70
C_{22} to C_{36}	5	0.48	3850	16	20	80
	10	0.59	4700	13	20	65
	20	0.9	560	2	4	50
	30	0.19	361	12	20	60
	40	0.392	92	3	4	75
	50	0.19	3370	14	20	70
	60	0.66	214	3	4	75
	70	0.025	682	12	20	60
	80	4.56	228	2	4	50
	90	0.895	162	12	20	60

NOTES:
[1]Refer to the boring logs for exact sample dep hs
bgs = below ground surface
mg/kg = milligrams per kilogram
TPH = total petroleum hydrocarbons

TABLE 23
TPH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B224-05 5 01/21/08 B224	B224-10 10 01/21/08 B224	B224-30 30 01/21/08 B224	B224-50 50 01/21/08 B224	B224-70 70 01/21/08 B224	B224-90 90 01/21/08 B224	B225-5 5 01/21/08 B225	B225-10 10 01/21/08 B225	B225-30 30 01/21/08 B225	B225-50 50 01/21/08 B225
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	**1,420**	ND	2.61	ND	ND	5.49	ND	ND	ND	ND
C_{22} to C_{36}	370	5,000	mg/kg	**3,850**	ND	1.34	ND	ND	0.921	ND	ND	ND	ND

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between the detection and repor ing limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 23
TPH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B225-70 70 01/21/08 B225	B225-90 90 01/21/08 B225	B226-5 5 01/18/08 B226	B226-10 10 01/18/08 B226	B226-30 30 01/18/08 B226	B226-50 50 01/18/08 B226	B226-70 70 01/18/08 B226	B226-90 90 01/18/08 B226	B227-5 5 01/21/08 B227	B227-10 10 01/21/08 B227
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	**817**	0.190	ND	**91.0**	ND	19.0
C_{10} to C_{22}	83	83	mg/kg	ND	ND	23.1	16.8	**2,200**	9.44	4.12	**462**	**474**	**1,440**
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	83.4	63.1	9.85	1.10	2.12	9.39	**920**	**1,250**

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = iden ification

J = estimated concentration between he detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 23
TPH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B227-30 30 01/21/08 B227	B227-50 50 01/21/08 B227	B227-70 70 01/21/08 B227	B227-90 90 01/21/08 B227	B228-05 5 01/18/08 B228	B228-10 10 01/18/08 B228	B228-30 30 01/18/08 B228	B228-50 50 01/18/08 B228	B228-70 70 01/18/08 B228
C_6 to C_{10}	83	83	mg/kg	ND	ND	7.60	ND	37.8	23.4	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	ND	28.2	**4,290**	**189**	**6,350**	**2,680**	ND	ND	ND
C_{22} to C_{36}	370	5,000	mg/kg	ND	5.80	682	43.7	**1,790**	**510**	ND	ND	ND

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = es imated concentration between the detection and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 23
TPH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B228-90 90 01/18/08 B228	B229-05 5 01/18/08 B229	B229-10 10 01/18/08 B229	B229-30 30 01/18/08 B229	B229-50 50 01/18/08 B229	B229-70 70 01/18/08 B229	B229-90 90 01/18/08 B229	B230-5 5 01/17/08 B230	B230-10 10 01/17/08 B230
C_6 to C_{10}	83	83	mg/kg	ND	ND	**773**	ND	ND	**690**	**104**	ND	19.7
C_{10} to C_{22}	83	83	mg/kg	ND	**350**	**3,660**	29.0	40.9	**4,580**	**1,690**	7.31	**2,470**
C_{22} to C_{36}	370	5,000	mg/kg	ND	**950**	342	ND	24.9	7.80	162	22.6	135

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between he detection and repor ing limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 23
TPH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B230-30 30 01/17/08 B230	B230-50 50 01/17/08 B230	B230-70 70 01/18/08 B230	B230-90 90 01/18/08 B230	B231-5 5 01/17/08 B231	B231-10 10 01/17/08 B231	B231-30 30 01/17/08 B231	B231-50 50 01/17/08 B231	B231-70 70 01/17/08 B231	B231-90 90 01/17/08 B231
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	10.3	10.5	20.4	3.95	ND	ND	ND	ND	ND	ND
C_{22} to C_{36}	370	5,000	mg/kg	1.98	2.77	3.96	1.46	ND	ND	ND	ND	ND	ND

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between he detection and repor ing limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 23
TPH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B232-05 5 01/21/08 B232	B232-10 10 01/21/08 B232	B232-30 30 01/21/08 B232	B232-50 50 01/21/08 B232	B232-70 70 01/21/08 B232	B232-90 90 01/21/08 B232	B233-05 5 01/23/08 B233	B233-10 10 01/23/08 B233	B233-30 30 01/23/08 B233	B233-50 50 01/23/08 B233
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	31.8	0.980	6.17	2.61	1.78	ND	ND	ND	0.790	5.50
C_{22} to C_{36}	370	5,000	mg/kg	161	0.590	1.39	0.190	0.680	ND	ND	ND	0.190	3.46

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between the detection and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 23
TPH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B233-70 70 01/23/08 B233	B233-90 90 01/23/08 B233	B234-05 5 01/23/08 B234	B234-10 10 01/23/08 B234	B234-20 20 01/23/08 B234	B234-30 30 01/23/08 B234	B234-40 40 01/23/08 B234	B234-50 50 01/23/08 B234	B234-60 60 01/23/08 B234	B234-70 70 01/23/08 B234	B234-80 80 01/23/08 B234
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	**6,440**	**607**	0.480	**363**
C_{10} to C_{22}	83	83	mg/kg	ND	ND	63.5	ND	ND	18.0	3.19	**38,600**	**2,800**	33.8	**2,820**
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	105	ND	ND	2.84	0.392	3,370	214	1.15	228

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (repor ing limit not available)

TPH = total petroleum hydrocarbons

TABLE 23
TPH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B234-90 90 01/23/08 B234	B235-5 5 01/25/08 B235	B235-10 10 01/25/08 B235	B235-30 30 01/25/08 B235	B235-50 50 01/25/08 B235	B235-70 70 01/25/08 B235	B235-90 90 01/25/08 B235	B236-05 5 01/22/08 B236	B236-10 10 01/22/08 B236	B236-30 30 01/22/08 B236
C_6 to C_{10}	83	83	mg/kg	**113**	0.190	0.420	2.17	ND	ND	ND	ND	0.910	ND
C_{10} to C_{22}	83	83	mg/kg	**586**	5.61	65.0	**136**	4.50	4.09	3.34	**140**	31.2	ND
C_{22} to C_{36}	370	5,000	mg/kg	21.2	0.480	207	12.1	1.09	1.19	1.22	**640**	1.03	ND

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = iden ification

J = estimated concentration between he detec ion and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 23
TPH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B236-50 50 01/22/08 B236	B236-70 70 01/22/08 B236	B236-90 90 01/22/08 B236	B237-5 5 01/23/08 B237	B237-10 10 01/23/08 B237	B237-30 30 01/23/08 B237	B237-50 50 01/23/08 B237	B237-70 70 01/23/08 B237	B237-90 90 01/23/08 B237	B238-5 5 01/25/08 B238	B238-10 10 01/25/08 B238
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	**610**	**423**	**1,000**	**508**	**1,140**	**1,460**	**280**	**609**
C_{10} to C_{22}	83	83	mg/kg	8.08	3.03	ND	**7,040**	**7,220**	**4,760**	**3,200**	**4,720**	**2,270**	**2,680**	**3,550**
C_{22} to C_{36}	370	5,000	mg/kg	0.650	0.0250	ND	**3,830**	**860**	192	117	99.2	13.6	**610**	279

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 23
TPH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B238-20 20 01/25/08 B238	B238-30 30 01/25/08 B238	B238-40 40 01/25/08 B238	B238-50 50 01/25/08 B238	B238-60 60 01/25/08 B238	B238-70 70 01/25/08 B238	B238-80 80 01/25/08 B238	B238-90 90 01/25/08 B238	B239-05 5 01/22/08 B239	B239-10 10 01/22/08 B239	B239-30 30 01/22/08 B239
C_6 to C_{10}	83	83	mg/kg	**3,050**	**560**	**582**	**1,560**	**4,090**	**111**	**342**	**794**	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	**11,800**	**3,130**	**3,050**	**7,240**	**5,010**	**362**	**680**	**1,710**	**578**	ND	ND
C_{22} to C_{36}	370	5,000	mg/kg	**560**	194	92.0	68.0	73.9	0.450	ND	1.20	**1,090**	ND	ND

NOTES:

[1]Refer to the boring logs for exact sample dep hs

Detec ions exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentra ion between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 23
TPH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B239-50 50 01/22/08 B239	B239-70 70 01/22/08 B239	B239-90 90 01/22/08 B239	B240-5 5 01/22/08 B240	B240-10 10 01/22/08 B240	B240-30 30 01/22/08 B240	B240-50 50 01/22/08 B240	B240-70 70 01/22/08 B240	B240-90 90 01/22/08 B240	B241-5 5 01/23/08 B241
C_6 to C_{10}	83	83	mg/kg	ND	ND	0.410	ND	ND	10.5	ND	ND	ND	**4,670**
C_{10} to C_{22}	83	83	mg/kg	ND	ND	4.53	ND	15.1	**842**	71.0	ND	1.04	**7,680**
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	ND	ND	32.0	9.13	3.17	ND	0.895	1.10

NOTES:

[1]Refer to the boring logs for exact sample dep hs

Detec ions exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identifica ion

J = estimated concentra ion between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 23
TPH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B241-10 10 01/23/08 B241	B241-20 20 01/23/08 B241	B241-30 30 01/23/08 B241	B241-40 40 01/23/08 B241	B241-50 50 01/23/08 B241	B241-60 60 01/23/08 B241	B241-70 70 01/23/08 B241	B241-80 80 01/23/08 B241	B241-90 90 01/23/08 B241	B242-05 5 01/25/08 B242	B242-10 10 01/25/08 B242
C_6 to C_{10}	83	83	mg/kg	**5,670**	**6,530**	**4,310**	**5,260**	**1,320**	**15,700**	**4,060**	**6,130**	**2,800**	**230**	ND
C_{10} to C_{22}	83	83	mg/kg	**9,450**	**6,330**	**4,770**	**4,990**	**1,740**	**13,600**	**4,480**	**5,540**	**3,180**	**1,210**	19.4
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,180**	2.46

NOTES:

[1]Refer to the boring logs for exact sample dep hs

Detec ions exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentra ion between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 23
TPH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B242-20 20 01/25/08 B242	B242-30 30 01/25/08 B242	B242-40 40 01/25/08 B242	B242-50 50 01/25/08 B242	B242-60 60 01/25/08 B242	B242-70 70 01/25/08 B242	B242-80 80 01/25/08 B242	B242-90 90 01/25/08 B242	B243-05 5 01/25/08 B243	B243-10 10 01/25/08 B243
C_6 to C_{10}	83	83	mg/kg	0.110	0.390	**1,330**	**1,820**	4.60	**280**	**266**	**833**	28.7	**711**
C_{10} to C_{22}	83	83	mg/kg	5.01	39.0	**2,510**	**3,540**	15.2	**827**	**598**	**1,520**	**269**	**7,920**
C_{22} to C_{36}	370	5,000	mg/kg	0.900	0.330	24.4	11.5	0.660	6.30	4.56	12.2	**493**	**4,700**

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and repor ing limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 23
TPH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B243-30 30 01/25/08 B243	B243-50 50 01/25/08 B243	B243-70 70 01/25/08 B243	B243-90 90 01/25/08 B243
C_6 to C_{10}	83	83	mg/kg	28.5	72.5	**559**	60.0
C_{10} to C_{22}	83	83	mg/kg	**649**	**272**	**1,160**	**266**
C_{22} to C_{36}	370	5,000	mg/kg	361	3.85	36.2	8.13

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (repor ing limit not available)

TPH = total petroleum hydrocarbons

TABLE 24
VOC DETECTION FREQUENCY IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Approximate Depth[2] (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
1,2-Dichloroethane	30	1.3	1.3	1	20	5.0
	50	1.8	2	2	20	10.0
	70	2.1	2.1	1	20	5.0
1,2,4-Trimethylbenzene	5	17	170,000	6	20	30.0
	10	2.8	150,000	7	20	35.0
	20	74,000	250,000	3	4	75.0
	30	18	86,000	7	20	35.0
	40	7.1	280,000	4	4	100.0
	50	2.1	280,000	14	20	70.0
	60	620	300,000	4	4	100.0
	70	2	110,000	12	20	60.0
	80	11,000	120,000	4	4	100.0
	90	2.1	110,000	12	20	60.0
1,3,5-Trimethylbenzene	5	2.1	32,000	5	20	25.0
	10	4,900	55,000	4	20	20.0
	20	32,000	90,000	3	4	75.0
	30	4.5	25,000	6	20	30.0
	40	17,000	140,000	3	4	75.0
	50	3.8	130,000	10	20	50.0
	60	230	140,000	4	4	100.0
	70	4.3	49,000	10	20	50.0
	80	1,900	55,000	4	4	100.0
	90	3.2	45,000	11	20	55.0
2-Butanone	5	20	25	4	20	20.0
	10	22	22	1	20	5.0
c-1,2-Dichloroethene	90	2.2	2.2	1	20	5.0
4-Methyl-2-Pentanone	10	1,300	1,300	1	20	5.0
Acetone	5	44	150	9	20	45.0
	10	46	99	3	20	15.0
	30	79	79	1	20	5.0
	70	130	130	1	20	5.0
Benzene	5	1.1	24,000	10	20	50.0
	10	4.2	2,100	8	20	40.0
	20	14	170,000	4	4	100.0
	30	1.6	9,400	10	20	50.0
	40	8.4	73,000	4	4	100.0
	50	2.4	34,000	11	20	55.0
	60	790	41,000	4	4	100.0
	70	1.1	13,000	15	20	75.0
	80	1,700	12,000	4	4	100.0
	90	2.2	8,600	11	20	55.0
Carbon Disulfide	5	14	14	1	20	5.0
	70	12	12	1	20	5.0
	90	14	14	1	20	5.0
Chloroform	5	2.7	2.7	1	20	5.0
	20	1.1	1.1	1	4	25.0
	50	840	840	1	20	5.0
Ethylbenzene	5	1.2	50,000	8	20	40.0
	10	11	28,000	7	20	35.0
	20	36,000	120,000	3	4	75.0
	30	1	16,000	9	20	45.0
	40	2.9	110,000	4	4	100.0
	50	3	120,000	12	20	60.0
	60	300	130,000	4	4	100.0
	70	1.3	50,000	13	20	65.0
	80	4,800	50,000	4	4	100.0
	90	4.3	46,000	13	20	65.0

TABLE 24
VOC DETECTION FREQUENCY IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Approximate Depth[2] (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
Isopropylbenzene	5	1	13,000	8	20	40.0
	10	1.4	11,000	7	20	35.0
	20	8,700	35,000	3	4	75.0
	30	1.2	2,900	9	20	45.0
	40	5,900	27,000	3	4	75.0
	50	1.6	35,000	8	20	40.0
	60	74	39,000	4	4	100.0
	70	1.1	15,000	11	20	55.0
	80	580	16,000	4	4	100.0
	90	0.94	14,000	13	20	65.0
Methylene Chloride	10	640	640	1	20	5.0
Methyl tert-Butyl Ether (MTBE)	10	11	11	1	20	5.0
	30	3.9	28	3	20	15.0
	50	3.2	3.2	1	20	5.0
	70	2.7	2.7	1	20	5.0
Naphthalene	5	120	63,000	5	18	27.8
	10	2,100	31,000	7	18	38.9
	20	47,000	67,000	2	3	66.7
	30	28	44,000	5	18	27.8
	40	13,000	59,000	2	3	66.7
	50	32	40,000	6	18	33.3
	70	14	50,000	5	18	27.8
	80	19,000	19,000	1	3	33.3
	90	15	4,700	5	18	27.8
n-Butylbenzene	5	26	7,600	3	20	15.0
	10	1.5	16,000	7	20	35.0
	20	8,100	9,000	2	4	50.0
	30	4.1	7,400	6	20	30.0
	40	18,000	18,000	1	4	25.0
	50	2.4	20,000	9	20	45.0
	60	80	21,000	3	4	75.0
	70	0.91	8,600	11	20	55.0
	80	1,300	9,600	3	4	75.0
	90	1.2	8,200	9	20	45.0
n-Propylbenzene	5	3.3	22,000	8	20	40.0
	10	3	18,000	8	20	40.0
	20	13,000	55,000	3	4	75.0
	30	1.1	6,400	9	20	45.0
	40	9,200	36,000	3	4	75.0
	50	1.8	46,000	12	20	60.0
	60	120	50,000	4	4	100.0
	70	1.6	18,000	12	20	60.0
	80	1,800	21,000	4	4	100.0
	90	1	19,000	14	20	70.0
o-Xylene	5	1.3	22,000	5	20	25.0
	10	3.6	9,500	5	20	25.0
	20	54,000	86,000	3	4	75.0
	30	3.8	23,000	7	20	35.0
	40	1.4	210,000	4	4	100.0
	50	1.3	200,000	10	20	50.0
	60	260	220,000	4	4	100.0
	70	6	75,000	10	20	50.0
	80	520	57,000	4	4	100.0
	90	63	2,600	7	20	35.0

TABLE 24
VOC DETECTION FREQUENCY IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Approximate Depth[2] (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
m and p-Xylenes	5	2.3	46,000	6	20	30.0
	10	3.9	110,000	5	20	25.0
	20	150,000	290,000	3	4	75.0
	30	6.7	73,000	8	20	40.0
	40	5.8	670,000	4	4	100.0
	50	5.2	630,000	11	20	55.0
	60	570	740,000	4	4	100.0
	70	1.9	270,000	14	20	70.0
	80	9,600	270,000	4	4	100.0
	90	2.3	230,000	13	20	65.0
p-Isopropyltoluene	5	2.4	18,000	5	20	25.0
	10	520	8,900	4	20	20.0
	20	6,000	49,000	3	4	75.0
	30	2.7	6,000	7	20	35.0
	40	8,500	17,000	3	4	75.0
	50	1.8	18,000	11	20	55.0
	60	55	19,000	4	4	100.0
	70	1.5	7,800	9	20	45.0
	80	700	40,000	4	4	100.0
	90	1.3	7,700	11	20	55.0
sec-Buty benzene	5	5.4	8,800	7	20	35.0
	10	110	7,800	7	20	35.0
	20	3,200	19,000	3	4	75.0
	30	1.1	910	8	20	40.0
	40	1,700	13,000	3	4	75.0
	50	1.4	15,000	7	20	35.0
	60	1,500	18,000	3	4	75.0
	70	1	1,200	9	20	45.0
	80	480	7,200	4	4	100.0
	90	29	7,200	10	20	50.0
tert-Butyl Alcohol (TBA)	5	98	130	2	20	10.0
	10	69	180	2	20	10.0
	30	21	60	3	20	15.0
	50	14	120	5	20	25.0
	70	28	46	4	20	20.0
	90	38	120	2	20	10.0
tert-Butylbenzene	5	2.5	6.1	2	20	10.0
Toluene	5	1.4	4,600	5	20	25.0
	10	1.4	9,000	3	20	15.0
	20	8,700	81,000	3	4	75.0
	30	1.1	50,000	8	20	40.0
	40	1.2	280,000	4	4	100.0
	50	7	300,000	9	20	45.0
	60	220	330,000	4	4	100.0
	70	1.1	110,000	11	20	55.0
	80	2,000	11,000	3	4	75.0
	90	84	3,400	5	20	25.0
Xylenes, total	5	3.6	68,000	6	20	30.0
	10	7.5	115,000	5	20	25.0
	20	204,000	376,000	3	4	75.0
	30	8.8	90,000	8	20	40.0
	40	7.2	880,000	4	4	100.0
	50	1.3	830,000	12	20	60.0
	60	830	960,000	4	4	100.0
	70	1.9	345,000	14	20	70.0
	80	10,100	327,000	4	4	100.0
	90	2.3	230,000	13	20	65.0

TABLE 24
VOC DETECTION FREQUENCY IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Approximate Depth[2] (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection

NOTES
[1]VOCs analyzed for but not listed in this table were not detected.
[2]Refer to the boring logs for exact sample depths
bgs = below ground surface
µg/kg = micrograms per kilogram
VOC = volatile organic compound
-- = not applicable

TABLE 25
VOC CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:							B224-05	B224-10	B224-30	B224-50	B224-70	B224-90	B225-5	B225-10	B225-30	B225-50	B225-70	B225-90	B226-5	B226-10	B226-30	B226-50	B226-70	B226-90	B227-5	B227-10	B227-30	B227-50	B227-70	B227-90	B228-05	B228-10	B228-30	B228-50
Approx. Depth[1] (feet bgs):							5	10	30	50	70	90	5	10	30	50	70	90	5	10	30	50	70	90	5	10	30	50	70	90	5	10	30	50
Date Collected:	CSL by depth (feet bgs)						01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/18/08	01/18/08	01/18/08	01/18/08	01/18/08	01/18/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/18/08	01/18/08	01/18/08	01/18/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B224	B224	B224	B224	B224	B224	B225	B225	B225	B225	B225	B225	B226	B226	B226	B226	B226	B226	B227	B227	B227	B227	B227	B227	B228	B228	B228	B228
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	ND(1.8)	ND(2)	ND(2)	ND(1.8)	ND(1.9)	ND(1.6)	ND(1.8)	ND(1,100)	ND(1.9)	ND(1.8)	ND(190)	ND(2.2)	ND(200)	ND(2)	ND(370)	ND(120)	ND(2.2)	ND(2)	ND(120)	ND(2.3)	ND(1.3)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(10)	ND(8.7)	ND(10)	ND(9.4)	ND(8.2)	ND(13)	ND(11)	ND(8.8)	ND(9.8)	ND(10)	ND(9.2)	ND(9.3)	ND(8)	ND(9.1)	ND(5,700)	ND(9.4)	ND(8.9)	ND(950)	ND(11)	ND(1,000)	ND(10)	ND(1,800)	ND(610)	ND(11)	ND(10)	ND(610)	ND(11)	ND(6.6)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	ND(1.8)	ND(2)	ND(2)	ND(1.8)	ND(1.9)	ND(1.6)	ND(1.8)	ND(1,100)	ND(1.9)	ND(1.8)	ND(190)	ND(2.2)	ND(200)	ND(2)	ND(370)	ND(120)	ND(2.2)	ND(2)	ND(120)	ND(2.3)	ND(1.3)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	ND(1.8)	ND(2)	ND(2)	ND(1.8)	ND(1.9)	ND(1.6)	ND(1.8)	ND(1,100)	ND(1.9)	ND(1.8)	ND(190)	ND(2.2)	ND(200)	ND(2)	ND(370)	ND(120)	ND(2.2)	ND(2)	ND(120)	ND(2.3)	ND(1.3)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	ND(1.8)	ND(2)	ND(2)	ND(1.8)	ND(1.9)	ND(1.6)	ND(1.8)	ND(1,100)	ND(1.9)	ND(1.8)	ND(190)	ND(2.2)	ND(200)	ND(2)	ND(370)	ND(120)	ND(2.2)	ND(2)	ND(120)	ND(2.3)	ND(1.3)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	ND(1.8)	ND(2)	ND(2)	ND(1.8)	ND(1.9)	ND(1.6)	ND(1.8)	ND(1,100)	ND(1.9)	ND(1.8)	ND(190)	ND(2.2)	ND(200)	ND(2)	ND(370)	ND(120)	ND(2.2)	ND(2)	ND(120)	ND(2.3)	ND(1.3)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	ND(1.8)	ND(2)	2.1	2	2.6	ND(1.6)	94	**86,000**	43	**17**	**46,000 D**	ND(2.2)	ND(200)	ND(2)	**2,000**	**1,000**	ND(2.2)	23	**560**	ND(2.3)	ND(1.3)
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(5.2)	ND(4.3)	ND(5)	ND(4.7)	ND(4.1)	ND(6.3)	ND(5.5)	ND(4.4)	ND(4.9)	ND(5.1)	ND(4.6)	ND(4.7)	ND(4)	ND(4.5)	ND(2,800)	ND(4.7)	ND(4.4)	ND(480)	ND(5.5)	ND(500)	ND(5.1)	ND(920)	ND(310)	ND(5.5)	ND(5.1)	ND(310)	ND(5.7)	ND(3.3)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	**1.8**	**2.1**	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	**2**	ND(0.89)	ND(95)	ND(1.1)	ND(100)	1.3	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	ND(1.8)	ND(2)	ND(2)	ND(1.8)	4.1	ND(1.6)	ND(1.8)	**25,000**	11	4.3	**18,000 D**	ND(2.2)	ND(200)	ND(2)	**480**	**260**	ND(2.2)	ND(2)	ND(120)	ND(2.3)	ND(1.3)
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(5.2)	ND(4.3)	ND(5)	ND(4.7)	ND(4.1)	ND(6.3)	ND(5.5)	ND(4.4)	ND(4.9)	ND(5.1)	ND(4.6)	ND(4.7)	ND(4)	ND(4.5)	ND(2,800)	ND(4.7)	ND(4.4)	ND(480)	ND(5.5)	ND(500)	ND(5.1)	ND(920)	ND(310)	ND(5.5)	ND(5.1)	ND(310)	ND(5.7)	ND(3.3)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	ND(21)	ND(17)	ND(20)	ND(19)	ND(16)	ND(25)	ND(22)	ND(18)	ND(20)	ND(20)	ND(18)	ND(19)	20	ND(18)	ND(11,000)	ND(19)	ND(18)	ND(1,900)	ND(22)	ND(2,000)	ND(20)	ND(3,700)	ND(1,200)	ND(22)	ND(20)	ND(1,200)	ND(23)	ND(13)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(21)	ND(17)	ND(20)	ND(19)	ND(16)	ND(25)	ND(22)	ND(18)	ND(20)	ND(20)	ND(18)	ND(19)	ND(16)	ND(18)	ND(11,000)	ND(19)	ND(18)	ND(1,900)	ND(22)	ND(2,000)	ND(20)	ND(3,700)	ND(1,200)	ND(22)	ND(20)	ND(1,200)	ND(23)	ND(13)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(21)	ND(17)	ND(20)	ND(19)	ND(16)	ND(25)	ND(22)	ND(18)	ND(20)	ND(20)	ND(18)	ND(19)	ND(16)	ND(18)	ND(11,000)	ND(19)	ND(18)	ND(1,900)	ND(22)	ND(2,000)	ND(20)	ND(3,700)	ND(1,200)	ND(22)	ND(20)	ND(1,200)	ND(23)	ND(13)
Acetone	500	500	500	500	500	µg/kg	ND(52)	ND(43)	ND(50)	ND(47)	ND(41)	ND(63)	140	ND(44)	ND(49)	ND(51)	ND(46)	ND(47)	150	ND(45)	ND(28,000)	ND(47)	ND(44)	ND(4,800)	100	ND(5,000)	ND(51)	ND(9,200)	ND(3,100)	ND(55)	ND(51)	ND(3,100)	ND(57)	ND(33)
Benzene	22	13	5	3	1	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	**1.1**	**4.3**	ND(0.8)	**28**	**1,100**	**52**	**19**	**1,100**	1.4	ND(100)	1.6	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
Bromobenzene	440	260	100	60	20	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	ND(1.8)	ND(2)	ND(2)	ND(1.8)	ND(1.9)	ND(1.6)	ND(1.8)	ND(1,100)	ND(1.9)	ND(1.8)	ND(190)	ND(2.2)	ND(200)	ND(2)	ND(370)	ND(120)	ND(2.2)	ND(2)	ND(120)	ND(2.3)	ND(1.3)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(5.2)	ND(4.3)	ND(5)	ND(4.7)	ND(4.1)	ND(6.3)	ND(5.5)	ND(4.4)	ND(4.9)	ND(5.1)	ND(4.6)	ND(4.7)	ND(4)	ND(4.5)	ND(2,800)	ND(4.7)	ND(4.4)	ND(480)	ND(5.5)	ND(500)	ND(5.1)	ND(920)	ND(310)	ND(5.5)	ND(5.1)	ND(310)	ND(5.7)	ND(3.3)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(21)	ND(17)	ND(20)	ND(19)	ND(16)	ND(25)	ND(22)	ND(18)	ND(20)	ND(20)	ND(18)	ND(19)	ND(16)	ND(18)	ND(11,000)	ND(19)	ND(18)	ND(1,900)	ND(22)	ND(2,000)	ND(20)	ND(3,700)	ND(1,200)	ND(22)	ND(20)	ND(1,200)	ND(23)	ND(13)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(10)	ND(8.7)	ND(10)	ND(9.4)	ND(8.2)	14	ND(11)	ND(8.8)	ND(9.8)	ND(10)	ND(9.2)	ND(9.3)	ND(8)	ND(9.1)	ND(5,700)	ND(9.4)	ND(8.9)	ND(950)	ND(11)	ND(1,000)	ND(10)	ND(1,800)	ND(610)	ND(11)	ND(10)	ND(610)	ND(11)	ND(6.6)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
Chloroethane	850	850	850	850	850	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	ND(1.8)	ND(2)	ND(2)	ND(1.8)	ND(1.9)	ND(1.6)	ND(1.8)	ND(1,100)	ND(1.9)	ND(1.8)	ND(190)	ND(2.2)	ND(200)	ND(2)	ND(370)	ND(120)	ND(2.2)	ND(2)	ND(120)	ND(2.3)	ND(1.3)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(21)	ND(17)	ND(20)	ND(19)	ND(16)	ND(25)	ND(22)	ND(18)	ND(20)	ND(20)	ND(18)	ND(19)	ND(16)	ND(18)	ND(11,000)	ND(19)	ND(18)	ND(1,900)	ND(22)	ND(2,000)	ND(20)	ND(3,700)	ND(1,200)	ND(22)	ND(20)	ND(1,200)	ND(23)	ND(13)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	ND(1.8)	ND(2)	ND(2)	ND(1.8)	ND(1.9)	ND(1.6)	ND(1.8)	ND(1,100)	ND(1.9)	ND(1.8)	ND(190)	ND(2.2)	ND(200)	ND(2)	ND(370)	ND(120)	ND(2.2)	ND(2)	ND(120)	ND(2.3)	ND(1.3)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	ND(1.8)	ND(2)	ND(2)	ND(1.8)	ND(1.9)	ND(1.6)	ND(1.8)	ND(1,100)	ND(1.9)	ND(1.8)	ND(190)	ND(2.2)	ND(200)	ND(2)	ND(370)	ND(120)	ND(2.2)	ND(2)	ND(120)	ND(2.3)	ND(1.3)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(520)	ND(430)	ND(500)	ND(470)	ND(410)	ND(630)	ND(550)	ND(440)	ND(490)	ND(510)	ND(460)	ND(470)	ND(400)	ND(450)	ND(280,000)	ND(470)	ND(440)	ND(48,000)	ND(550)	ND(50,000)	ND(510)	ND(92,000)	ND(31,000)	ND(550)	ND(510)	ND(31,000)	ND(570)	ND(330)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	7.8	ND(0.8)	11	**12,000**	18	8.5	**17,000 D**	ND(1.1)	160	ND(1)	400	160	ND(1.1)	28	77	ND(1.1)	ND(0.66)
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	47	ND(0.8)	1.4	1,100	ND(0.94)	ND(0.89)	**2,100**	ND(1.1)	1,000	ND(1)	ND(180)	71	ND(1.1)	5.6	ND(61)	ND(1.1)	ND(0.66)
Methylene Chloride	77	65	25	15	5	µg/kg	ND(10)	ND(8.7)	ND(10)	ND(9.4)	ND(8.2)	ND(13)	ND(11)	ND(8.8)	ND(9.8)	ND(10)	ND(9.2)	ND(9.3)	ND(8)	ND(9.1)	ND(6,800 B)	ND(9.4)	ND(8.9)	ND(980 B)	ND(11)	ND(1,100 B)	ND(10)	ND(2,500 B)	ND(800 B)	ND(11)	ND(10)	**640**	ND(11)	ND(6.6)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	11	3.9	ND(2)	2.7	ND(1.9)	ND(1.6)	ND(1.8)	ND(1,100)	3.2	ND(1.8)	ND(190)	ND(2.2)	ND(200)	**28**	ND(370)	ND(120)	ND(2.2)	ND(2)	ND(120)	4.1	ND(1.3)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	ND(10)	ND(8.7)	ND(10)	ND(9.4)	ND(8.2)	ND(13)	ND(11)	ND(8.8)	ND(9.8)	ND(10)	ND(9.2)	**36**	ND(8)	ND(9.1)	**20,000**	**32**	**14**	**4,700**	ND(11)	**7,600**	ND(10)	**2,400**	**1,200**	ND(11)	**63,000 D**	**8,600**	ND(11)	ND(6.6)
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	73	ND(0.8)	1.5	7,300	2.6	0.91	4,700	ND(1.1)	360	ND(1)	500	270	ND(1.1)	ND(1)	490	ND(1.1)	ND(0.66)
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	760 D	ND(0.8)	3	6,400	3.3	1.6	11,000	ND(1.1)	1,800	ND(1)	310	160	ND(1.1)	27	170	ND(1.1)	ND(0.66)
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	3.6	**15,000**	15	11	630	ND(1.1)	ND(100)	ND(1)	500	210	ND(1.1)	2.7	ND(61)	ND(1.1)	ND(0.66)
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	ND(1.8)	ND(2)	ND(2)	2.1	2.3	ND(1.6)	3.9	**73,000**	59	29	**42,000 D**	ND(2.2)	ND(200)	ND(2)	1,100	500	ND(2.2)	2.7	ND(120)	ND(2.3)	ND(1.3)
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	7.6	ND(0.8)	ND(0.91)	660	ND(0.94)	ND(0.89)	450	ND(1.1)	ND(100)	ND(1)	190	130	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	29	ND(0.8)	ND(0.91)	580	ND(0.94)	ND(0.89)	980	ND(1.1)	1,000	ND(1)	ND(180)	94	ND(1.1)	5.4	110	ND(1.1)	ND(0.66)
Styrene	1,500	1,300	500	300	100	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	ND(1.8)	ND(2)	ND(2)	ND(1.8)	ND(1.9)	ND(1.6)	ND(1.8)	ND(1,100)	ND(1.9)	ND(1.8)	ND(190)	ND(2.2)	ND(200)	ND(2)	ND(370)	ND(120)	ND(2.2)	ND(2)	ND(120)	ND(2.3)	ND(1.3)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(21)	ND(17)	27	ND(19)	31	**120**	ND(22)	ND(18)	ND(20)	ND(20)	ND(18)	ND(19)	ND(16)	ND(18)	ND(11,000)	30	ND(18)	ND(1,900)	ND(22)	ND(2,000)	21	ND(3,700)	ND(1,200)	ND(22)	ND(20)	ND(1,200)	ND(23)	14
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
Toluene	2,900	1,950	750	450	150	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	1.4	**940**	63	42	ND(95)	ND(1.1)	ND(100)	ND(1)	250	100	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
Trichloroethene	110	65	25	15	5	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	ND(1.8)	ND(2)	ND(2)	ND(1.8)	ND(1.9)	ND(1.6)	ND(1.8)	ND(1,100)	ND(1.9)	ND(1.8)	ND(190)	ND(2.2)	ND(200)	ND(2)	ND(370)	ND(120)	ND(2.2)	ND(2)	ND(120)	ND(2.3)	ND(1.3)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(10)	ND(8.7)	ND(10)	ND(9.4)	ND(8.2)	ND(13)	ND(11)	ND(8.8)	ND(9.8)	ND(10)	ND(9.2)	ND(9.3)	ND(8)	ND(9.1)	ND(5,700)	ND(9.4)	ND(8.9)	ND(950)	ND(11)	ND(1,000)	ND(10)	ND(1,800)	ND(610)	ND(11)	ND(10)	ND(610)	ND(11)	ND(6.6)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(10)	ND(8.7)	ND(10)	ND(9.4)	ND(8.2)	ND(13)	ND(11)	ND(8.8)	ND(9.8)	ND(10)	ND(9.2)	ND(9.3)	ND(8)	ND(9.1)	ND(5,700)	ND(9.4)	ND(8.9)	ND(950)	ND(11)	ND(1,000)	ND(10)	ND(1,800)	ND(610)	ND(11)	ND(10)	ND(610)	ND(11)	ND(6.6)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(1)	ND(0.87)	ND(1)	ND(0.94)	ND(0.82)	ND(1.3)	ND(1.1)	ND(0.88)	ND(0.98)	ND(1)	ND(0.92)	ND(0.93)	ND(0.8)	ND(0.91)	ND(570)	ND(0.94)	ND(0.89)	ND(95)	ND(1.1)	ND(100)	ND(1)	ND(180)	ND(61)	ND(1.1)	ND(1)	ND(61)	ND(1.1)	ND(0.66)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	ND(2.1)	ND(1.7)	ND(2)	ND(1.9)	ND(1.6)	ND(2.5)	ND(2.2)	ND(1.8)	ND(2)	ND(2)	2.1	2.3	ND(1.6)	7.5	**88,000**	74	40	**42,600**	ND(2.2)	ND(200)	ND(2)	1,600	710	ND(2.2)	5.4	ND(120)	ND(2.3)	ND(1.3)

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs below ground surface
CSL Cleanup Screening Level
D The analyte concentration was reported from analysis of the diluted sample.
ID identification
J estimated concentration between the detection and reporting limits
µg/kg micrograms per kilogram
NA not analyzed
ND analyte not detected at reporting limit shown
VOC volatile organic compound

TABLE 25
VOC CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:	CSL by depth (feet bgs)						B228-70	B228-90	B229-05	B229-10	B229-30	B229-50	B229-70	B229-90
Approx. Depth[1] (feet bgs):							70	90	5	10	30	50	70	90
Date Collected:							01/18/08	01/18/08	01/18/08	01/18/08	01/18/08	01/18/08	01/18/08	01/18/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B228	B228	B229	B229	B229	B229	B229	B229
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	ND(110)	ND(2)	ND(2.2)	ND(230)	ND(100)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(7.9)	ND(6)	ND(7)	ND(570)	ND(9.8)	ND(11)	ND(1,100)	ND(520)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	ND(110)	ND(2)	ND(2.2)	ND(230)	ND(100)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	ND(110)	ND(2)	ND(2.2)	ND(230)	ND(100)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	ND(110)	ND(2)	ND(2.2)	ND(230)	ND(100)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	ND(110)	ND(2)	ND(2.2)	ND(230)	ND(100)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	**27,000 D**	ND(2)	8.1	**8,300**	**1,200**
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(4)	ND(3)	ND(3.5)	ND(290)	ND(4.9)	ND(5.6)	ND(570)	ND(260)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	**4,900**	ND(2)	ND(2.2)	**2,900**	**550**
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(4)	ND(3)	ND(3.5)	ND(290)	ND(4.9)	ND(5.6)	ND(570)	ND(260)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	ND(16)	ND(12)	ND(14)	ND(1,100)	ND(20)	ND(22)	ND(2,300)	ND(1,000)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(16)	ND(12)	ND(14)	ND(1,100)	ND(20)	ND(22)	ND(2,300)	ND(1,000)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(16)	ND(12)	ND(14)	1,300	ND(20)	ND(22)	ND(2,300)	ND(1,000)
Acetone	500	500	500	500	500	µg/kg	ND(40)	ND(30)	ND(35)	ND(2,900)	ND(49)	ND(56)	ND(5,700)	ND(2,600)
Benzene	22	13	5	3	1	µg/kg	ND(0.79)	ND(0.6)	1.9	**240**	ND(0.98)	2.4	**6,500**	ND(52)
Bromobenzene	440	260	100	60	20	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	ND(110)	ND(2)	ND(2.2)	ND(230)	ND(100)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(4)	ND(3)	ND(3.5)	ND(290)	ND(4.9)	ND(5.6)	ND(570)	ND(260)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(16)	ND(12)	ND(14)	ND(1,100)	ND(20)	ND(22)	ND(2,300)	ND(1,000)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(7.9)	ND(6)	ND(7)	ND(570)	ND(9.8)	ND(11)	ND(1,100)	ND(520)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
Chloroethane	850	850	850	850	850	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	ND(110)	ND(2)	ND(2.2)	ND(230)	ND(100)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(16)	ND(12)	ND(14)	ND(1,100)	ND(20)	ND(22)	ND(2,300)	ND(1,000)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	ND(110)	ND(2)	ND(2.2)	ND(230)	ND(100)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	ND(110)	ND(2)	ND(2.2)	ND(230)	ND(100)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(400)	ND(300)	ND(350)	ND(29,000)	ND(490)	ND(560)	ND(57,000)	ND(26,000)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	ND(0.79)	ND(0.6)	16	**17,000 D**	1	3	**2,800**	**420**
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	ND(0.79)	ND(0.6)	1	2,300	1.3	ND(1.1)	490	170
Methylene Chloride	77	65	25	15	5	µg/kg	ND(7.9)	ND(6)	ND(7)	ND(730 B)	ND(9.8)	ND(11)	ND(1,400 B)	ND(600 B)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	ND(110)	ND(2)	ND(2.2)	ND(230)	ND(100)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	ND(7.9)	ND(6)	ND(7)	**15,000 D**	**28**	**46**	**16,000**	**3,100**
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	5,400	ND(0.98)	ND(1.1)	2,000	930
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(0.79)	ND(0.6)	3.3	7,700	3.6	2.1	1,000	490
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	860	ND(0.98)	1.3	1,300	92
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	5,700	ND(2)	ND(2.2)	**6,000**	330
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	520	ND(0.98)	2.9	1,100	460
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	1,700	1.1	1.4	680	240
Styrene	1,500	1,300	500	300	100	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	ND(110)	ND(2)	ND(2.2)	ND(230)	ND(100)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(16)	ND(12)	ND(14)	ND(1,100)	ND(20)	**120**	ND(2,300)	ND(1,000)
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
Toluene	2,900	1,950	750	450	150	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	**13,000**	ND(52)
Trichloroethene	110	65	25	15	5	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	ND(110)	ND(2)	ND(2.2)	ND(230)	ND(100)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(7.9)	ND(6)	ND(7)	ND(570)	ND(9.8)	ND(11)	ND(1,100)	ND(520)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(7.9)	ND(6)	ND(7)	ND(570)	ND(9.8)	ND(11)	ND(1,100)	ND(520)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(0.79)	ND(0.6)	ND(0.7)	ND(57)	ND(0.98)	ND(1.1)	ND(110)	ND(52)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	ND(1.6)	ND(1.2)	ND(1.4)	**6,560**	ND(2)	1.3	**7,300**	422

Sample ID:	B230-5	B230-10	B230-30	B230-50	B230-70	B230-90	B231-5	B231-10	B231-30	B231-50	B231-70	B231-90	B232-05
Approx. Depth[1] (feet bgs):	5	10	30	50	70	90	5	10	30	50	70	90	5
Date Collected:	01/17/08	01/17/08	01/17/08	01/17/08	01/18/08	01/18/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/21/08
Location ID:	B230	B230	B230	B230	B230	B230	B231	B231	B231	B231	B231	B231	B232
1,1,1,2-Tetrachloroethane	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
1,1,1-Trichloroethane	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
1,1,2,2-Tetrachloroethane	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND(9.4)	ND(2,100)	ND(10)	ND(9.8)	ND(10)	ND(11)	ND(9.8)	ND(8.5)	ND(12)	ND(9.3)	ND(12)	ND(10)	ND(15)
1,1,2-Trichloroethane	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
1,1-Dichloroethane	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
1,1-Dichloroethene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
1,1-Dichloropropene	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)
1,2,3-Trichlorobenzene	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)
1,2,3-Trichloropropane	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)
1,2,4-Trichlorobenzene	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)
1,2,4-Trimethylbenzene	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)
1,2-Dibromo-3-Chloropropane	ND(4.7)	ND(1,000)	ND(5.1)	ND(4.9)	ND(5.1)	ND(5.3)	ND(4.9)	ND(4.2)	ND(6.2)	ND(4.7)	ND(5.8)	ND(5)	ND(7.5)
1,2-Dibromoethane	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
1,2-Dichlorobenzene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
1,2-Dichloroethane	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
1,2-Dichloropropane	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
1,3,5-Trimethylbenzene	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)
1,3-Dichlorobenzene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
1,3-Dichloropropane	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
1,4-Dichlorobenzene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
2,2-Dichloropropane	ND(4.7)	ND(1,000)	ND(5.1)	ND(4.9)	ND(5.1)	ND(5.3)	ND(4.9)	ND(4.2)	ND(6.2)	ND(4.7)	ND(5.8)	ND(5)	ND(7.5)
2-Butanone	ND(19)	ND(4,100)	ND(20)	ND(20)	ND(20)	ND(21)	ND(20)	ND(17)	ND(25)	ND(19)	ND(23)	ND(20)	ND(30)
2-Chlorotoluene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
2-Hexanone	ND(19)	ND(4,100)	ND(20)	ND(20)	ND(20)	ND(21)	ND(20)	ND(17)	ND(25)	ND(19)	ND(23)	ND(20)	ND(30)
4-Chlorotoluene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
4-Methyl-2-Pentanone	ND(19)	ND(4,100)	ND(20)	ND(20)	ND(20)	ND(21)	ND(20)	ND(17)	ND(25)	ND(19)	ND(23)	ND(20)	ND(30)
Acetone	ND(47)	ND(10,000)	ND(51)	ND(49)	ND(51)	ND(53)	ND(49)	46	ND(62)	ND(47)	ND(58)	ND(50)	ND(75)
Benzene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	**4.7**	ND(1)	6.5
Bromobenzene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Bromochloromethane	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)
Bromodichloromethane	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Bromoform	ND(4.7)	ND(1,000)	ND(5.1)	ND(4.9)	ND(5.1)	ND(5.3)	ND(4.9)	ND(4.2)	ND(6.2)	ND(4.7)	ND(5.8)	ND(5)	ND(7.5)
Bromomethane	ND(19)	ND(4,100)	ND(20)	ND(20)	ND(20)	ND(21)	ND(20)	ND(17)	ND(25)	ND(19)	ND(23)	ND(20)	ND(30)
c-1,2-Dichloroethene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
c-1,3-Dichloropropene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Carbon Disulfide	ND(9.4)	ND(2,100)	ND(10)	ND(9.8)	ND(10)	ND(11)	ND(9.8)	ND(8.5)	ND(12)	ND(9.3)	ND(12)	ND(10)	ND(15)
Carbon Tetrachloride	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Chlorobenzene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Chloroethane	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)
Chloroform	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Chloromethane	ND(19)	ND(4,100)	ND(20)	ND(20)	ND(20)	ND(21)	ND(20)	ND(17)	ND(25)	ND(19)	ND(23)	ND(20)	ND(30)
Dibromochloromethane	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)
Dibromomethane	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Dichlorodifluoromethane	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)
Diisopropyl Ether (DIPE)	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Ethanol	ND(470)	ND(100,000)	ND(510)	ND(490)	ND(510)	ND(530)	ND(490)	ND(420)	ND(620)	ND(470)	ND(580)	ND(500)	ND(750)
Ethylbenzene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Ethyl tert-Butyl Ether (ETBE)	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Isopropylbenzene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Methylene Chloride	ND(9.4)	ND(2,100)	ND(10)	ND(9.8)	ND(10)	ND(11)	ND(9.8)	ND(8.5)	ND(12)	ND(9.3)	ND(12)	ND(10)	ND(15)
Methyl tert-Butyl Ether (MTBE)	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)
Naphthalene	ND(9.4)	**2,100**	ND(10)	ND(9.8)	**17**	ND(11)	ND(9.8)	ND(8.5)	ND(12)	ND(9.3)	ND(12)	ND(10)	ND(15)
n-Butylbenzene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	1.3	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
n-Propylbenzene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
o-Xylene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
p/m-Xylenes	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)
p-Isopropyltoluene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
sec-Butylbenzene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Styrene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
t-1,2-Dichloroethene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
t-1,3-Dichloropropene	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)
Tert-Amyl-Methyl Ether (TAME)	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Tert-Butyl Alcohol (TBA)	ND(19)	ND(4,100)	ND(20)	ND(20)	ND(20)	ND(21)	ND(20)	ND(17)	ND(25)	ND(19)	ND(23)	ND(20)	ND(30)
tert-Butylbenzene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Tetrachloroethene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Toluene	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	3.3
Trichloroethene	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)
Trichlorofluoromethane	ND(9.4)	ND(2,100)	ND(10)	ND(9.8)	ND(10)	ND(11)	ND(9.8)	ND(8.5)	ND(12)	ND(9.3)	ND(12)	ND(10)	ND(15)
Vinyl Acetate	ND(9.4)	ND(2,100)	ND(10)	ND(9.8)	ND(10)	ND(11)	ND(9.8)	ND(8.5)	ND(12)	ND(9.3)	ND(12)	ND(10)	ND(15)
Vinyl Chloride	ND(0.94)	ND(210)	ND(1)	ND(0.98)	ND(1)	ND(1.1)	ND(0.98)	ND(0.85)	ND(1.2)	ND(0.93)	ND(1.2)	ND(1)	ND(1.5)
Xylenes, total	ND(1.9)	ND(410)	ND(2)	ND(2)	ND(2)	ND(2.1)	ND(2)	ND(1.7)	ND(2.5)	ND(1.9)	ND(2.3)	ND(2)	ND(3)

Sample ID:	B232-10	B232-30	B232-50	B232-70	B232-90	B233-05	B233-10	B233-30	B233-50	B233-70	B233-90	B234-05	B234-10	B234-20
Approx. Depth[1] (feet bgs):	10	30	50	70	90	5	10	30	50	70	90	5	10	20
Date Collected:	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08
Location ID:	B232	B232	B232	B232	B232	B233	B233	B233	B233	B233	B233	B234	B234	B234
1,1,1,2-Tetrachloroethane	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
1,1,1-Trichloroethane	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
1,1,2,2-Tetrachloroethane	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	ND(1.8)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2)
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND(12)	ND(12)	ND(15)	ND(9.9)	ND(9.6)	ND(8)	ND(9.3)	ND(9.8)	ND(9.8)	ND(9)	ND(10)	ND(9.4)	ND(9.6)	ND(10)
1,1,2-Trichloroethane	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(1.3)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
1,1-Dichloroethane	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
1,1-Dichloroethene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
1,1-Dichloropropene	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	ND(1.8)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2)
1,2,3-Trichlorobenzene	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	ND(1.8)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2)
1,2,3-Trichloropropane	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	ND(1.8)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2)
1,2,4-Trichlorobenzene	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	ND(1.8)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2)
1,2,4-Trimethylbenzene	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	ND(1.8)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2)
1,2-Dibromo-3-Chloropropane	ND(5.8)	ND(5.9)	ND(7.4)	ND(5)	ND(4.8)	ND(4)	ND(4.6)	ND(4.9)	ND(4.9)	ND(4.5)	ND(5.1)	ND(4.7)	ND(4.8)	ND(5)
1,2-Dibromoethane	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
1,2-Dichlorobenzene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
1,2-Dichloroethane	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
1,2-Dichloropropane	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
1,3,5-Trimethylbenzene	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	ND(1.8)	3.2	ND(1.9)	ND(1.9)	ND(2)
1,3-Dichlorobenzene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
1,3-Dichloropropane	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
1,4-Dichlorobenzene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
2,2-Dichloropropane	ND(5.8)	ND(5.9)	ND(7.4)	ND(5)	ND(4.8)	ND(4)	ND(4.6)	ND(4.9)	ND(4.9)	ND(4.5)	ND(5.1)	ND(4.7)	ND(4.8)	ND(5)
2-Butanone	ND(23)	ND(23)	ND(29)	ND(20)	ND(19)	ND(16)	ND(19)	ND(20)	ND(20)	ND(18)	ND(21)	21	ND(19)	ND(20)
2-Chlorotoluene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
2-Hexanone	ND(23)	ND(23)	ND(29)	ND(20)	ND(19)	ND(16)	ND(19)	ND(20)	ND(20)	ND(18)	ND(21)	ND(19)	ND(19)	ND(20)
4-Chlorotoluene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
4-Methyl-2-Pentanone	ND(23)	ND(23)	ND(29)	ND(20)	ND(19)	ND(16)	ND(19)	ND(20)	ND(20)	ND(18)	ND(21)	ND(19)	ND(19)	ND(20)
Acetone	ND(58)	ND(59)	ND(74)	ND(50)	ND(48)	44	ND(46)	ND(49)	ND(49)	ND(45)	ND(51)	48	ND(48)	ND(50)
Benzene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	**2.1**	**8.4**	1.1	4.2	**14**
Bromobenzene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
Bromochloromethane	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	ND(1.8)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2)
Bromodichloromethane	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
Bromoform	ND(5.8)	ND(5.9)	ND(7.4)	ND(5)	ND(4.8)	ND(4)	ND(4.6)	ND(4.9)	ND(4.9)	ND(4.5)	ND(5.1)	ND(4.7)	ND(4.8)	ND(5)
Bromomethane	ND(23)	ND(23)	ND(29)	ND(20)	ND(19)	ND(16)	ND(19)	ND(20)	ND(20)	ND(18)	ND(21)	ND(19)	ND(19)	ND(20)
c-1,2-Dichloroethene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
c-1,3-Dichloropropene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
Carbon Disulfide	ND(12)	ND(12)	ND(15)	ND(9.9)	ND(9.6)	ND(8)	ND(9.3)	ND(9.8)	ND(9.8)	12	ND(10)	ND(9.4)	ND(9.6)	ND(10)
Carbon Tetrachloride	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
Chlorobenzene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
Chloroethane	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	ND(1.8)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2)
Chloroform	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	1.1
Chloromethane	ND(23)	ND(23)	ND(29)	ND(20)	ND(19)	ND(16)	ND(19)	ND(20)	ND(20)	ND(18)	ND(21)	ND(19)	ND(19)	ND(20)
Dibromochloromethane	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	ND(1.8)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2)
Dibromomethane	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
Dichlorodifluoromethane	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	ND(1.8)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2)
Diisopropyl Ether (DIPE)	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
Ethanol	ND(580)	ND(590)	ND(740)	ND(500)	ND(480)	ND(400)	ND(460)	ND(490)	ND(490)	ND(450)	ND(510)	ND(470)	ND(480)	ND(500)
Ethylbenzene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	1.3	4.3	ND(0.94)	ND(0.96)	ND(1)
Ethyl tert-Butyl Ether (ETBE)	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
Isopropylbenzene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	1.1	ND(0.94)	ND(0.96)	ND(1)
Methylene Chloride	ND(12)	ND(12)	ND(15)	ND(9.9)	ND(9.6)	ND(8)	ND(9.3)	ND(9.8)	ND(9.8)	ND(9)	ND(10)	ND(9.4)	ND(9.6)	ND(10)
Methyl tert-Butyl Ether (MTBE)	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	ND(1.8)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2)
Naphthalene	ND(12)	ND(12)	ND(15)	ND(9.9)	ND(9.6)	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	1.1	ND(1)	ND(0.94)	ND(0.96)	ND(1)
n-Propylbenzene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	1.4	ND(0.94)	ND(0.96)	ND(1)
o-Xylene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
p/m-Xylenes	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	1.9	3.7	ND(1.9)	ND(1.9)	ND(2)
p-Isopropyltoluene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
sec-Butylbenzene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	1	ND(1)	ND(0.94)	ND(0.96)	ND(1)
Styrene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
t-1,2-Dichloroethene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
t-1,3-Dichloropropene	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	ND(1.8)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2)
Tert-Amyl-Methyl Ether (TAME)	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
Tert-Butyl Alcohol (TBA)	ND(23)	ND(23)	ND(29)	ND(20)	ND(19)	ND(16)	ND(19)	ND(20)	ND(20)	ND(18)	ND(21)	ND(19)	ND(19)	ND(20)
tert-Butylbenzene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
Tetrachloroethene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
Toluene	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	1.1	ND(1)	ND(0.94)	ND(0.96)	ND(1)
Trichloroethene	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	ND(1.8)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2)
Trichlorofluoromethane	ND(12)	ND(12)	ND(15)	ND(9.9)	ND(9.6)	ND(8)	ND(9.3)	ND(9.8)	ND(9.8)	ND(9)	ND(10)	ND(9.4)	ND(9.6)	ND(10)
Vinyl Acetate	ND(12)	ND(12)	ND(15)	ND(9.9)	ND(9.6)	ND(8)	ND(9.3)	ND(9.8)	ND(9.8)	ND(9)	ND(10)	ND(9.4)	ND(9.6)	ND(10)
Vinyl Chloride	ND(1.2)	ND(1.2)	ND(1.5)	ND(0.99)	ND(0.96)	ND(0.8)	ND(0.93)	ND(0.98)	ND(0.98)	ND(0.9)	ND(1)	ND(0.94)	ND(0.96)	ND(1)
Xylenes, total	ND(2.3)	ND(2.3)	ND(2.9)	ND(2)	ND(1.9)	ND(1.6)	ND(1.9)	ND(2)	ND(2)	1.9	3.7	ND(1.9)	ND(1.9)	ND(2)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting lim ts

µg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 25
VOC CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:	CSL by depth (feet bgs)						B234-30	B234-40	B234-50	B234-60	B234-70	B234-80	B234-90	B235-5	B235-10	B235-30	B235-50	B235-70	B235-90	B236-05	B236-10	B236-30	B236-50	B236-70	B236-90	B237-5	B237-10	B237-30	B237-50	B237-70	B237-90	B238-5	B238-10	B238-20	B238-30
Approx. Depth[1] (feet bgs):							30	40	50	60	70	80	90	5	10	30	50	70	90	5	10	30	50	70	90	5	10	30	50	70	90	5	10	20	30
Date Collected:							01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/25/08	01/25/08	01/25/08	01/25/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B234	B234	B234	B234	B234	B234	B234	B235	B235	B235	B235	B235	B235	B236	B236	B236	B236	B236	B236	B237	B237	B237	B237	B237	B237	B238	B238	B238	B238
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(2.4)	ND(2.3)	ND(1,200)	ND(380)	ND(90)	ND(99)	ND(510)	ND(2.6)	ND(2.5)	ND(1.7)	ND(2.9)	ND(2.4)	ND(510)	ND(1.8)	ND(1.9)	ND(2)	ND(1.8)	ND(1.9)	ND(1.7)	ND(1,100)	ND(900)	ND(910)	ND(1,200)	ND(2,600)	ND(2,500)	ND(300)	ND(750)	ND(2,700)	ND(1,100)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(12)	ND(12)	ND(5,900)	ND(1,900)	ND(450)	ND(500)	ND(2,500)	ND(13)	ND(13)	ND(8.7)	ND(14)	ND(12)	ND(2,500)	ND(9.1)	ND(9.6)	ND(9.8)	ND(8.9)	ND(9.5)	ND(8.6)	ND(5,600)	ND(4,500)	ND(4,600)	ND(6,000)	ND(13,000)	ND(12,000)	ND(1,500)	ND(3,800)	ND(14,000)	ND(5,600)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2.4)	ND(2.3)	ND(1,200)	ND(380)	ND(90)	ND(99)	ND(510)	ND(2.6)	ND(2.5)	ND(1.7)	ND(2.9)	ND(2.4)	ND(510)	ND(1.8)	ND(1.9)	ND(2)	ND(1.8)	ND(1.9)	ND(1.7)	ND(1,100)	ND(900)	ND(910)	ND(1,200)	ND(2,600)	ND(2,500)	ND(300)	ND(750)	ND(2,700)	ND(1,100)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(2.4)	ND(2.3)	ND(1,200)	ND(380)	ND(90)	ND(99)	ND(510)	ND(2.6)	ND(2.5)	ND(1.7)	ND(2.9)	ND(2.4)	ND(510)	ND(1.8)	ND(1.9)	ND(2)	ND(1.8)	ND(1.9)	ND(1.7)	ND(1,100)	ND(900)	ND(910)	ND(1,200)	ND(2,600)	ND(2,500)	ND(300)	ND(750)	ND(2,700)	ND(1,100)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(2.4)	ND(2.3)	ND(1,200)	ND(380)	ND(90)	ND(99)	ND(510)	ND(2.6)	ND(2.5)	ND(1.7)	ND(2.9)	ND(2.4)	ND(510)	ND(1.8)	ND(1.9)	ND(2)	ND(1.8)	ND(1.9)	ND(1.7)	ND(1,100)	ND(900)	ND(910)	ND(1,200)	ND(2,600)	ND(2,500)	ND(300)	ND(750)	ND(2,700)	ND(1,100)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(2.4)	ND(2.3)	ND(1,200)	ND(380)	ND(90)	ND(99)	ND(510)	ND(2.6)	ND(2.5)	ND(1.7)	ND(2.9)	ND(2.4)	ND(510)	ND(1.8)	ND(1.9)	ND(2)	ND(1.8)	ND(1.9)	ND(1.7)	ND(1,100)	ND(900)	ND(910)	ND(1,200)	ND(2,600)	ND(2,500)	ND(300)	ND(750)	ND(2,700)	ND(1,100)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	18	7.1	**46,000**	**120,000 D**	**2,900**	**11,000 D**	**29,000**	ND(2.6)	ND(2.5)	ND(1.7)	2.9	ND(2.4)	**13,000**	ND(1.8)	ND(1.9)	ND(2)	9.4	2.3	2.1	**81,000**	**18,000**	**36,000**	**27,000**	**41,000**	**31,000**	**17,000**	**30,000**	**74,000**	**19,000**
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(5.9)	ND(5.8)	ND(3,000)	ND(960)	ND(230)	ND(250)	ND(1,300)	ND(6.5)	ND(6.3)	ND(4.4)	ND(7.2)	ND(6)	ND(1,300)	ND(4.5)	ND(4.8)	ND(4.9)	ND(4.5)	ND(4.8)	ND(4.3)	ND(2,800)	ND(2,200)	ND(2,300)	ND(3,000)	ND(6,600)	ND(6,200)	ND(750)	ND(1,900)	ND(6,900)	ND(2,800)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	4.5	ND(2.3)	**14,000**	**40,000 D**	**890**	**1,900**	**15,000**	ND(2.6)	ND(2.5)	ND(1.7)	ND(2.9)	ND(2.4)	**6,300**	ND(1.8)	ND(1.9)	ND(2)	3.8	ND(1.9)	ND(1.7)	**12,000**	**5,700**	**12,000**	**9,200**	**14,000**	**7,800**	**8,100**	**14,000**	**32,000**	**9,100**
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(5.9)	ND(5.8)	ND(3,000)	ND(960)	ND(230)	ND(250)	ND(1,300)	ND(6.5)	ND(6.3)	ND(4.4)	ND(7.2)	ND(6)	ND(1,300)	ND(4.5)	ND(4.8)	ND(4.9)	ND(4.5)	ND(4.8)	ND(4.3)	ND(2,800)	ND(2,200)	ND(2,300)	ND(3,000)	ND(6,600)	ND(6,200)	ND(750)	ND(1,900)	ND(6,900)	ND(2,800)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	ND(24)	ND(23)	ND(12,000)	ND(3,800)	ND(900)	ND(990)	ND(5,100)	ND(26)	ND(25)	ND(17)	ND(29)	ND(24)	ND(5,100)	24	22	ND(20)	ND(18)	ND(19)	ND(17)	ND(11,000)	ND(9,000)	ND(9,100)	ND(12,000)	ND(26,000)	ND(25,000)	ND(3,000)	ND(7,500)	ND(27,000)	ND(11,000)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(24)	ND(23)	ND(12,000)	ND(3,800)	ND(900)	ND(990)	ND(5,100)	ND(26)	ND(25)	ND(17)	ND(29)	ND(24)	ND(5,100)	ND(18)	ND(19)	ND(20)	ND(18)	ND(19)	ND(17)	ND(11,000)	ND(9,000)	ND(9,100)	ND(12,000)	ND(26,000)	ND(25,000)	ND(3,000)	ND(7,500)	ND(27,000)	ND(11,000)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(24)	ND(23)	ND(12,000)	ND(3,800)	ND(900)	ND(990)	ND(5,100)	ND(26)	ND(25)	ND(17)	ND(29)	ND(24)	ND(5,100)	ND(18)	ND(19)	ND(20)	ND(18)	ND(19)	ND(17)	ND(11,000)	ND(9,000)	ND(9,100)	ND(12,000)	ND(26,000)	ND(25,000)	ND(3,000)	ND(7,500)	ND(27,000)	ND(11,000)
Acetone	500	500	500	500	500	µg/kg	ND(59)	ND(58)	ND(30,000)	ND(9,600)	ND(2,300)	ND(2,500)	ND(13,000)	97	69	79	ND(72)	130	ND(13,000)	ND(2,900)	99	ND(49)	ND(45)	ND(48)	ND(43)	ND(28,000)	ND(22,000)	ND(23,000)	ND(30,000)	ND(66,000)	ND(62,000)	ND(7,500)	ND(19,000)	ND(69,000)	ND(28,000)
Benzene	22	13	5	3	1	µg/kg	**14**	**8.4**	**6,900**	**12,000**	**230**	**1,700**	**1,900**	7.3	7.2	**470 D**	**15**	**220**	**500**	ND(0.91)	ND(0.96)	ND(0.98)	**7.1**	**11**	**11**	**2,400**	**2,100**	**9,400**	**7,400**	**9,400**	ND(1,200)	**180**	**850**	**7,100**	**5,500**
Bromobenzene	440	260	100	60	20	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(2.4)	ND(2.3)	ND(1,200)	ND(380)	ND(90)	ND(99)	ND(510)	ND(2.6)	ND(2.5)	ND(1.7)	ND(2.9)	ND(2.4)	ND(510)	ND(1.8)	ND(1.9)	ND(2)	ND(1.8)	ND(1.9)	ND(1.7)	ND(1,100)	ND(900)	ND(910)	ND(1,200)	ND(2,600)	ND(2,500)	ND(300)	ND(750)	ND(2,700)	ND(1,100)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(5.9)	ND(5.8)	ND(3,000)	ND(960)	ND(230)	ND(250)	ND(1,300)	ND(6.5)	ND(6.3)	ND(4.4)	ND(7.2)	ND(6)	ND(1,300)	ND(4.5)	ND(4.8)	ND(4.9)	ND(4.5)	ND(4.8)	ND(4.3)	ND(2,800)	ND(2,200)	ND(2,300)	ND(3,000)	ND(6,600)	ND(6,200)	ND(750)	ND(1,900)	ND(6,900)	ND(2,800)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(24)	ND(23)	ND(12,000)	ND(3,800)	ND(900)	ND(990)	ND(5,100)	ND(26)	ND(25)	ND(17)	ND(29)	ND(24)	ND(5,100)	ND(18)	ND(19)	ND(20)	ND(18)	ND(19)	ND(17)	ND(11,000)	ND(9,000)	ND(9,100)	ND(12,000)	ND(26,000)	ND(25,000)	ND(3,000)	ND(7,500)	ND(27,000)	ND(11,000)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(12)	ND(12)	ND(5,900)	ND(1,900)	ND(450)	ND(500)	ND(2,500)	14	ND(13)	ND(8.7)	ND(14)	ND(12)	ND(2,500)	ND(9.1)	ND(9.6)	ND(9.8)	ND(8.9)	ND(9.5)	ND(8.6)	ND(5,600)	ND(4,500)	ND(4,600)	ND(6,000)	ND(13,000)	ND(12,000)	ND(1,500)	ND(3,800)	ND(14,000)	ND(5,600)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
Chloroethane	850	850	850	850	850	µg/kg	ND(2.4)	ND(2.3)	ND(1,200)	ND(380)	ND(90)	ND(99)	ND(510)	ND(2.6)	ND(2.5)	ND(1.7)	ND(2.9)	ND(2.4)	ND(510)	ND(1.8)	ND(1.9)	ND(2)	ND(1.8)	ND(1.9)	ND(1.7)	ND(1,100)	ND(900)	ND(910)	ND(1,200)	ND(2,600)	ND(2,500)	ND(300)	ND(750)	ND(2,700)	ND(1,100)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(1.2)	ND(1.2)	**840**	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(24)	ND(23)	ND(12,000)	ND(3,800)	ND(900)	ND(990)	ND(5,100)	ND(26)	ND(25)	ND(17)	ND(29)	ND(24)	ND(5,100)	ND(18)	ND(19)	ND(20)	ND(18)	ND(19)	ND(17)	ND(11,000)	ND(9,000)	ND(9,100)	ND(12,000)	ND(26,000)	ND(25,000)	ND(3,000)	ND(7,500)	ND(27,000)	ND(11,000)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(2.4)	ND(2.3)	ND(1,200)	ND(380)	ND(90)	ND(99)	ND(510)	ND(2.6)	ND(2.5)	ND(1.7)	ND(2.9)	ND(2.4)	ND(510)	ND(1.8)	ND(1.9)	ND(2)	ND(1.8)	ND(1.9)	ND(1.7)	ND(1,100)	ND(900)	ND(910)	ND(1,200)	ND(2,600)	ND(2,500)	ND(300)	ND(750)	ND(2,700)	ND(1,100)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(2.4)	ND(2.3)	ND(1,200)	ND(380)	ND(90)	ND(99)	ND(510)	ND(2.6)	ND(2.5)	ND(1.7)	ND(2.9)	ND(2.4)	ND(510)	ND(1.8)	ND(1.9)	ND(2)	ND(1.8)	ND(1.9)	ND(1.7)	ND(1,100)	ND(900)	ND(910)	ND(1,200)	ND(2,600)	ND(2,500)	ND(300)	ND(750)	ND(2,700)	ND(1,100)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(590)	ND(580)	ND(300,000)	ND(96,000)	ND(23,000)	ND(25,000)	ND(130,000)	ND(650)	ND(630)	ND(440)	ND(720)	ND(600)	ND(130,000)	ND(450)	ND(480)	ND(490)	ND(450)	ND(480)	ND(430)	ND(280,000)	ND(220,000)	ND(230,000)	ND(300,000)	ND(660,000)	ND(620,000)	ND(75,000)	ND(190,000)	ND(690,000)	ND(280,000)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	2.6	2.9	**7,900**	**36,000**	**700**	**4,800**	**8,100**	ND(1.3)	ND(1.3)	28	10	54	**4,800**	ND(0.91)	ND(0.96)	ND(0.98)	5.1	4.4	4.3	**50,000**	**6,200**	**16,000**	**11,000**	**20,000**	**14,000**	**3,000**	**9,700**	**36,000**	**13,000**
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	1.3	ND(1.2)	1,800	**3,700**	79	580	**2,000**	ND(1.3)	ND(1.3)	1.2	ND(1.4)	5.9	**1,200**	ND(0.91)	ND(0.96)	ND(0.98)	1.6	1.1	0.94	4,000	1,200	2,800	2,000	**3,200**	**4,400**	1,100	2,900	8,700	2,900
Methylene Chloride	77	65	25	15	5	µg/kg	ND(12)	ND(12)	ND(5,900)	ND(1,900)	ND(450)	ND(500)	ND(2,500)	ND(13)	ND(13)	ND(8.7)	ND(14)	ND(12)	ND(2,500)	ND(9.1)	ND(9.6)	ND(9.8)	ND(8.9)	ND(9.5)	ND(8.6)	ND(5,600)	ND(4,500)	ND(4,600)	ND(6,000)	ND(13,000)	ND(12,000)	ND(1,500)	ND(4,100 B)	ND(14,000)	ND(6,300 B)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	ND(2.4)	ND(2.3)	ND(1,200)	ND(380)	ND(90)	ND(99)	ND(510)	ND(2.6)	ND(2.5)	ND(1.7)	ND(2.9)	ND(2.4)	ND(510)	ND(1.8)	ND(1.9)	ND(2)	ND(1.8)	ND(1.9)	ND(1.7)	ND(1,100)	ND(900)	ND(910)	ND(1,200)	ND(2,600)	ND(2,500)	ND(300)	ND(750)	ND(2,700)	ND(1,100)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	NA	NA	NA	NA	NA	NA	NA	ND(13)	ND(13)	ND(8.7)	ND(14)	ND(12)	ND(2,500)	ND(9.1)	ND(9.6)	ND(9.8)	**46**	ND(9.5)	ND(8.6)	**36,000**	**31,000**	**44,000**	**40,000**	**50,000**	ND(12,000)	**5,800**	**16,000**	**47,000**	**12,000**
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	4.1	ND(1.2)	7,600	9,900	290	1,300	7,300	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	1,500 J	ND(0.91)	ND(0.96)	ND(0.98)	2.4	1.5	1.2	7,600	4,100	7,400	5,600	8,600	3,000	1,400 J	2,800 J	9,000 J	1,800 J
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	2.7	ND(1.2)	5,900	16,000	340	1,800	6,300	ND(1.3)	ND(1.3)	1.1	1.8	8.8	2,700	ND(0.91)	ND(0.96)	ND(0.98)	2	1.7	1.4	17,000	2,400	5,100	3,700	5,300	6,100	1,600	4,300	13,000	3,500
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	3.8	1.4	**6,300**	**59,000 D**	600	520	**2,600**	ND(1.3)	ND(1.3)	ND(0.87)	4.6	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	22,000	7,500	**23,000**	**12,000**	**24,000**	ND(1,200)	170	9,500	**54,000**	**21,000**
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	6.7	5.8	**27,000**	**160,000 D**	**2,600**	**9,600**	**17,000**	ND(2.6)	ND(2.5)	8.8	17	4.1	**21,000**	ND(1.8)	ND(1.9)	ND(2)	5.2	2.2	3.3	**46,000**	**21,000**	**66,000**	**46,000**	**79,000**	**27,000**	13,000	**47,000**	**170,000**	**69,000**
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	2.7	ND(1.2)	3,700	2,300	84	700	1,600	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	430	ND(0.91)	ND(0.96)	ND(0.98)	1.8	1.5	1.3	3,200	3,000	6,000	4,500	6,600	2,900	1,100	2,200	6,800	1,400
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	2.2	ND(1.2)	3,000	2,300	63	480	1,300	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	1.9	700	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	2,000	630	910	640	ND(1,300)	1,700	580	1,100	3,200	840
Styrene	1,500	1,300	500	300	100	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2.4)	ND(2.3)	ND(1,200)	ND(380)	ND(90)	ND(99)	ND(510)	ND(2.6)	ND(2.5)	ND(1.7)	ND(2.9)	ND(2.4)	ND(510)	ND(1.8)	ND(1.9)	ND(2)	ND(1.8)	ND(1.9)	ND(1.7)	ND(1,100)	ND(900)	ND(910)	ND(1,200)	ND(2,600)	ND(2,500)	ND(300)	ND(750)	ND(2,700)	ND(1,100)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(24)	ND(23)	ND(12,000)	ND(3,800)	ND(900)	ND(990)	ND(5,100)	**98**	69	60	29	39	ND(5,100)	ND(18)	ND(19)	ND(20)	18	28	38	ND(11,000)	ND(9,000)	ND(9,100)	ND(12,000)	ND(26,000)	ND(25,000)	ND(3,000)	ND(7,500)	ND(27,000)	ND(11,000)
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
Toluene	2,900	1,950	750	450	150	µg/kg	1.8	1.2	**1,000**	**45,000 D**	**390**	**2,000**	**3,400**	ND(1.3)	ND(1.3)	1.1	7	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	**4,600**	**9,000**	**50,000**	**11,000**	**31,000**	ND(1,200)	ND(150)	800	**61,000**	**44,000**
Trichloroethene	110	65	25	15	5	µg/kg	ND(2.4)	ND(2.3)	ND(1,200)	ND(380)	ND(90)	ND(99)	ND(510)	ND(2.6)	ND(2.5)	ND(1.7)	ND(2.9)	ND(2.4)	ND(510)	ND(1.8)	ND(1.9)	ND(2)	ND(1.8)	ND(1.9)	ND(1.7)	ND(1,100)	ND(900)	ND(910)	ND(1,200)	ND(2,600)	ND(2,500)	ND(300)	ND(750)	ND(2,700)	ND(1,100)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(12)	ND(12)	ND(5,900)	ND(1,900)	ND(450)	ND(500)	ND(2,500)	ND(13)	ND(13)	ND(8.7)	ND(14)	ND(12)	ND(2,500)	ND(9.1)	ND(9.6)	ND(9.8)	ND(8.9)	ND(9.5)	ND(8.6)	ND(5,600)	ND(4,500)	ND(4,600)	ND(6,000)	ND(13,000)	ND(12,000)	ND(1,500)	ND(3,800)	ND(14,000)	ND(5,600)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(12)	ND(12)	ND(5,900)	ND(1,900)	ND(450)	ND(500)	ND(2,500)	ND(13)	ND(13)	ND(8.7)	ND(14)	ND(12)	ND(2,500)	ND(9.1)	ND(9.6)	ND(9.8)	ND(8.9)	ND(9.5)	ND(8.6)	ND(5,600)	ND(4,500)	ND(4,600)	ND(6,000)	ND(13,000)	ND(12,000)	ND(1,500)	ND(3,800)	ND(14,000)	ND(5,600)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(1.2)	ND(1.2)	ND(590)	ND(190)	ND(45)	ND(50)	ND(250)	ND(1.3)	ND(1.3)	ND(0.87)	ND(1.4)	ND(1.2)	ND(250)	ND(0.91)	ND(0.96)	ND(0.98)	ND(0.89)	ND(0.95)	ND(0.86)	ND(560)	ND(450)	ND(460)	ND(600)	ND(1,300)	ND(1,200)	ND(150)	ND(380)	ND(1,400)	ND(560)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	10.5	7.2	**33,300**	**219,000**	**3,200**	**10,100**	**19,600**	ND(2.6)	ND(2.5)	8.8	21.6	4.1	**21,000**	ND(1.8)	ND(1.9)	ND(2)	5.2	2.2	3.3	**68,000**	**28,500**	**89,000**	**58,000**	**103,000**	**27,000**	**13,200**	**56,500**	**224,000**	**90,000**

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting limits

µg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 25
VOC CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:							B238-40	B238-50	B238-60	B238-70	B238-80	B238-90	B239-05	B239-10	B239-30	B239-50	B239-70	B239-90	B240-5	B240-10	B240-30	B240-50	B240-70	B240-90	B241-5	B241-10	B241-20	B241-30	B241-40	B241-50	B241-60	B241-70	B241-80
Approx. Depth[1] (feet bgs):							40	50	60	70	80	90	5	10	30	50	70	90	5	10	30	50	70	90	5	10	20	30	40	50	60	70	80
Date Collected:	CSL by depth (feet bgs)						01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B238	B238	B238	B238	B238	B238	B239	B239	B239	B239	B239	B239	B240	B240	B240	B240	B240	B240	B241	B241	B241	B241	B241	B241	B241	B241	B241
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(2,800)	ND(710)	ND(2,300)	ND(560)	ND(1,800)	ND(750)	ND(1.7)	ND(2.3)	ND(2.1)	ND(2.2)	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	ND(2.2)	ND(1.8)	ND(2.5)	ND(6,600)	ND(7,200)	ND(5,300)	ND(510)	ND(12,000)	ND(11,000)	ND(11,000)	ND(14,000)	ND(6,700)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(14,000)	ND(3,600)	ND(12,000)	ND(2,800)	ND(8,800)	ND(3,800)	ND(8.5)	ND(11)	ND(10)	ND(11)	ND(13)	ND(8.9)	ND(11)	ND(14)	ND(460)	ND(11)	ND(9.2)	ND(12)	ND(33,000)	ND(36,000)	ND(27,000)	ND(2,600)	ND(60,000)	ND(55,000)	ND(53,000)	ND(68,000)	ND(33,000)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2,800)	ND(710)	ND(2,300)	ND(560)	ND(1,800)	ND(750)	ND(1.7)	ND(2.3)	ND(2.1)	ND(2.2)	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	ND(2.2)	ND(1.8)	ND(2.5)	ND(6,600)	ND(7,200)	ND(5,300)	ND(510)	ND(12,000)	ND(11,000)	ND(11,000)	ND(14,000)	ND(6,700)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(2,800)	ND(710)	ND(2,300)	ND(560)	ND(1,800)	ND(750)	ND(1.7)	ND(2.3)	ND(2.1)	ND(2.2)	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	ND(2.2)	ND(1.8)	ND(2.5)	ND(6,600)	ND(7,200)	ND(5,300)	ND(510)	ND(12,000)	ND(11,000)	ND(11,000)	ND(14,000)	ND(6,700)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(2,800)	ND(710)	ND(2,300)	ND(560)	ND(1,800)	ND(750)	ND(1.7)	ND(2.3)	ND(2.1)	ND(2.2)	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	ND(2.2)	ND(1.8)	ND(2.5)	ND(6,600)	ND(7,200)	ND(5,300)	ND(510)	ND(12,000)	ND(11,000)	ND(11,000)	ND(14,000)	ND(6,700)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(2,800)	ND(710)	ND(2,300)	ND(560)	ND(1,800)	ND(750)	ND(1.7)	ND(2.3)	ND(2.1)	ND(2.2)	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	ND(2.2)	ND(1.8)	ND(2.5)	ND(6,600)	ND(7,200)	ND(5,300)	ND(510)	ND(12,000)	ND(11,000)	ND(11,000)	ND(14,000)	ND(6,700)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	**63,000**	**13,000**	**63,000**	**14,000**	**120,000**	**5,200**	17	2.8	ND(2.1)	6.2	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	29	**16**	**74**	**170,000**	**150,000**	**120,000**	**7,500**	**280,000**	**280,000**	**300,000**	**110,000**	**120,000**
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(6,900)	ND(1,800)	ND(5,800)	ND(1,400)	ND(4,400)	ND(1,900)	ND(4.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(6.6)	ND(4.4)	ND(5.3)	ND(7.1)	ND(230)	ND(5.4)	ND(4.6)	ND(6.2)	ND(17,000)	ND(18,000)	ND(13,000)	ND(1,300)	ND(30,000)	ND(27,000)	ND(27,000)	ND(34,000)	ND(17,000)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	**24,000**	**4,700**	**22,000**	**4,800**	**34,000**	**7,200**	2.1	ND(2.3)	ND(2.1)	ND(2.2)	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	8	4.8	**27**	**32,000**	**55,000**	**56,000**	**3,400**	**140,000**	**130,000**	**140,000**	**49,000**	**55,000**
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(6,900)	ND(1,800)	ND(5,800)	ND(1,400)	ND(4,400)	ND(1,900)	ND(4.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(6.6)	ND(4.4)	ND(5.3)	ND(7.1)	ND(230)	ND(5.4)	ND(4.6)	ND(6.2)	ND(17,000)	ND(18,000)	ND(13,000)	ND(1,300)	ND(30,000)	ND(27,000)	ND(27,000)	ND(34,000)	ND(17,000)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	ND(28,000)	ND(7,100)	ND(23,000)	ND(5,600)	ND(18,000)	ND(7,500)	25	ND(23)	ND(21)	ND(22)	ND(26)	ND(18)	ND(21)	ND(28)	ND(910)	ND(22)	ND(18)	ND(25)	ND(66,000)	ND(72,000)	ND(53,000)	ND(5,100)	ND(120,000)	ND(110,000)	ND(110,000)	ND(140,000)	ND(67,000)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(28,000)	ND(7,100)	ND(23,000)	ND(5,600)	ND(18,000)	ND(7,500)	ND(17)	ND(23)	ND(21)	ND(22)	ND(26)	ND(18)	ND(21)	ND(28)	ND(910)	ND(22)	ND(18)	ND(25)	ND(66,000)	ND(72,000)	ND(53,000)	ND(5,100)	ND(120,000)	ND(110,000)	ND(110,000)	ND(140,000)	ND(67,000)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(28,000)	ND(7,100)	ND(23,000)	ND(5,600)	ND(18,000)	ND(7,500)	ND(17)	ND(23)	ND(21)	ND(22)	ND(26)	ND(18)	ND(21)	ND(28)	ND(910)	ND(22)	ND(18)	ND(25)	ND(66,000)	ND(72,000)	ND(53,000)	ND(5,100)	ND(120,000)	ND(110,000)	ND(110,000)	ND(140,000)	ND(67,000)
Acetone	500	500	500	500	500	µg/kg	ND(69,000)	ND(18,000)	ND(58,000)	ND(14,000)	ND(44,000)	ND(19,000)	150	ND(57)	ND(52)	ND(55)	ND(66)	ND(44)	100	ND(71)	ND(2,300)	ND(54)	ND(46)	ND(62)	ND(170,000)	ND(180,000)	ND(130,000)	ND(13,000)	ND(300,000)	ND(270,000)	ND(270,000)	ND(340,000)	ND(170,000)
Benzene	22	13	5	3	1	µg/kg	**24,000**	**1,500**	**4,500**	**510**	**6,000**	ND(380)	3	ND(1.1)	1.9	ND(1.1)	**2**	**2.2**	ND(1.1)	ND(1.4)	ND(46)	**6**	**40**	**220**	ND(3,300)	ND(3,600)	**8,400**	**1,400**	**38,000**	**34,000**	**41,000**	**13,000**	**6,200**
Bromobenzene	440	260	100	60	20	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(2,800)	ND(710)	ND(2,300)	ND(560)	ND(1,800)	ND(750)	ND(1.7)	ND(2.3)	ND(2.1)	ND(2.2)	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	ND(2.2)	ND(1.8)	ND(2.5)	ND(6,600)	ND(7,200)	ND(5,300)	ND(510)	ND(12,000)	ND(11,000)	ND(11,000)	ND(14,000)	ND(6,700)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(6,900)	ND(1,800)	ND(5,800)	ND(1,400)	ND(4,400)	ND(1,900)	ND(4.2)	ND(5.7)	ND(5.2)	ND(5.5)	ND(6.6)	ND(4.4)	ND(5.3)	ND(7.1)	ND(230)	ND(5.4)	ND(4.6)	ND(6.2)	ND(17,000)	ND(18,000)	ND(13,000)	ND(1,300)	ND(30,000)	ND(27,000)	ND(27,000)	ND(34,000)	ND(17,000)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(28,000)	ND(7,100)	ND(23,000)	ND(5,600)	ND(18,000)	ND(7,500)	ND(17)	ND(23)	ND(21)	ND(22)	ND(26)	ND(18)	ND(21)	ND(28)	ND(910)	ND(22)	ND(18)	ND(25)	ND(66,000)	ND(72,000)	ND(53,000)	ND(5,100)	ND(120,000)	ND(110,000)	ND(110,000)	ND(140,000)	ND(67,000)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	2.2	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(14,000)	ND(3,600)	ND(12,000)	ND(2,800)	ND(8,800)	ND(3,800)	ND(8.5)	ND(11)	ND(10)	ND(11)	ND(13)	ND(8.9)	ND(11)	ND(14)	ND(460)	ND(11)	ND(9.2)	ND(12)	ND(33,000)	ND(36,000)	ND(27,000)	ND(2,600)	ND(60,000)	ND(55,000)	ND(53,000)	ND(68,000)	ND(33,000)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
Chloroethane	850	850	850	850	850	µg/kg	ND(2,800)	ND(710)	ND(2,300)	ND(560)	ND(1,800)	ND(750)	ND(1.7)	ND(2.3)	ND(2.1)	ND(2.2)	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	ND(2.2)	ND(1.8)	ND(2.5)	ND(6,600)	ND(7,200)	ND(5,300)	ND(510)	ND(12,000)	ND(11,000)	ND(11,000)	ND(14,000)	ND(6,700)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	2.7	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(28,000)	ND(7,100)	ND(23,000)	ND(5,600)	ND(18,000)	ND(7,500)	ND(17)	ND(23)	ND(21)	ND(22)	ND(26)	ND(18)	ND(21)	ND(28)	ND(910)	ND(22)	ND(18)	ND(25)	ND(66,000)	ND(72,000)	ND(53,000)	ND(5,100)	ND(120,000)	ND(110,000)	ND(110,000)	ND(140,000)	ND(67,000)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(2,800)	ND(710)	ND(2,300)	ND(560)	ND(1,800)	ND(750)	ND(1.7)	ND(2.3)	ND(2.1)	ND(2.2)	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	ND(2.2)	ND(1.8)	ND(2.5)	ND(6,600)	ND(7,200)	ND(5,300)	ND(510)	ND(12,000)	ND(11,000)	ND(11,000)	ND(14,000)	ND(6,700)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(2,800)	ND(710)	ND(2,300)	ND(560)	ND(1,800)	ND(750)	ND(1.7)	ND(2.3)	ND(2.1)	ND(2.2)	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	ND(2.2)	ND(1.8)	ND(2.5)	ND(6,600)	ND(7,200)	ND(5,300)	ND(510)	ND(12,000)	ND(11,000)	ND(11,000)	ND(14,000)	ND(6,700)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(690,000)	ND(180,000)	ND(580,000)	ND(140,000)	ND(440,000)	ND(190,000)	ND(420)	ND(570)	ND(520)	ND(550)	ND(660)	ND(440)	ND(530)	ND(710)	ND(23,000)	ND(540)	ND(460)	ND(620)	ND(1,700,000)	ND(1,800,000)	ND(1,300,000)	ND(130,000)	ND(3,000,000)	ND(2,700,000)	ND(2,700,000)	ND(3,400,000)	ND(1,700,000)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	**32,000**	**4,300**	**14,000**	**2,600**	**23,000**	**5,100**	160	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	7.3	18	120	**23,000**	**28,000**	**48,000**	**2,800**	**110,000**	**120,000**	**130,000**	**50,000**	**50,000**
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	**6,000**	1,000	**3,700**	**760**	**7,200**	**3,200**	74	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	2.8	3.3	5.9	13,000	**11,000**	**13,000**	710	**27,000**	**35,000**	**39,000**	**15,000**	**16,000**
Methylene Chloride	77	65	25	15	5	µg/kg	ND(14,000)	ND(3,600)	ND(12,000)	ND(2,800)	ND(8,800)	ND(3,800)	ND(8.5)	ND(11)	ND(10)	ND(11)	ND(13)	ND(8.9)	ND(11)	ND(14)	ND(460)	ND(11)	ND(9.2)	ND(12)	ND(33,000)	ND(36,000)	ND(27,000)	ND(2,600)	ND(60,000)	ND(55,000)	ND(53,000)	ND(68,000)	ND(33,000)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	ND(2,800)	ND(710)	ND(2,300)	ND(560)	ND(1,800)	ND(750)	ND(1.7)	ND(2.3)	ND(2.1)	ND(2.2)	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	ND(2.2)	ND(1.8)	ND(2.5)	ND(6,600)	ND(7,200)	ND(5,300)	ND(510)	ND(12,000)	ND(11,000)	ND(11,000)	ND(14,000)	ND(6,700)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	**59,000**	**7,900**	ND(12,000)	ND(2,800)	**19,000**	ND(3,800)	**120**	ND(11)	ND(10)	ND(11)	ND(13)	ND(8.9)	ND(11)	ND(14)	ND(460)	ND(11)	ND(9.2)	**15**	ND(33,000)	ND(36,000)	ND(27,000)	ND(2,600)	ND(60,000)	ND(55,000)	ND(53,000)	ND(68,000)	ND(33,000)
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	26	ND(1.1)	ND(1)	3.3	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	49	12	10	4.2	ND(3,300)	16,000	8,100	500	18,000	20,000	21,000	8,300	9,600
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	9,400	1,700	7,500	1,600	15,000	5,500	76	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	1	ND(1.1)	ND(1.4)	ND(46)	5.3	7.1	11	22,000	18,000	16,000	900	36,000	46,000	50,000	18,000	21,000
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	**48,000**	**7,400**	**25,000**	**3,800**	**19,000**	530	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	6	63	ND(3,300)	5,400	**86,000**	5,200	**210,000**	**200,000**	**220,000**	**75,000**	**57,000**
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	**150,000**	**21,000**	**65,000**	**10,000**	**64,000**	**10,000**	ND(1.7)	ND(2.3)	ND(2.1)	ND(2.2)	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	11	22	470	**31,000**	**110,000**	**290,000**	**17,000**	**670,000**	**630,000**	**740,000**	**270,000**	**270,000**
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	17,000	3,100	19,000	4,300	40,000	7,700	2.4	ND(1.1)	ND(1)	2.9	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	6.1	ND(0.92)	ND(1.2)	18,000	8,900	6,000	320	13,000	18,000	18,000	7,800	8,400
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	1,700	ND(360)	1,500	320	3,300	1,600	41	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	3.8	1.9	ND(1.2)	8,800	7,800	6,000	310	13,000	15,000	18,000	ND(6,800)	7,200
Styrene	1,500	1,300	500	300	100	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2,800)	ND(710)	ND(2,300)	ND(560)	ND(1,800)	ND(750)	ND(1.7)	ND(2.3)	ND(2.1)	ND(2.2)	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	ND(2.2)	ND(1.8)	ND(2.5)	ND(6,600)	ND(7,200)	ND(5,300)	ND(510)	ND(12,000)	ND(11,000)	ND(11,000)	ND(14,000)	ND(6,700)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(28,000)	ND(7,100)	ND(23,000)	ND(5,600)	ND(18,000)	ND(7,500)	ND(17)	ND(23)	ND(21)	ND(22)	ND(26)	ND(18)	**130**	**180**	ND(910)	ND(22)	46	ND(25)	ND(66,000)	ND(72,000)	ND(53,000)	ND(5,100)	ND(120,000)	ND(110,000)	ND(110,000)	ND(140,000)	ND(67,000)
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	6.1	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
Toluene	2,900	1,950	750	450	150	µg/kg	**110,000**	**6,200**	**7,100**	**1,400**	**11,000**	**780**	1.4	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	7.3	84	ND(3,300)	ND(3,600)	**81,000**	**3,100**	**280,000**	**300,000**	**330,000**	**110,000**	ND(3,300)
Trichloroethene	110	65	25	15	5	µg/kg	ND(2,800)	ND(710)	ND(2,300)	ND(560)	ND(1,800)	ND(750)	ND(1.7)	ND(2.3)	ND(2.1)	ND(2.2)	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	ND(2.2)	ND(1.8)	ND(2.5)	ND(6,600)	ND(7,200)	ND(5,300)	ND(510)	ND(12,000)	ND(11,000)	ND(11,000)	ND(14,000)	ND(6,700)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(14,000)	ND(3,600)	ND(12,000)	ND(2,800)	ND(8,800)	ND(3,800)	ND(8.5)	ND(11)	ND(10)	ND(11)	ND(13)	ND(8.9)	ND(11)	ND(14)	ND(460)	ND(11)	ND(9.2)	ND(12)	ND(33,000)	ND(36,000)	ND(27,000)	ND(2,600)	ND(60,000)	ND(55,000)	ND(53,000)	ND(68,000)	ND(33,000)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(14,000)	ND(3,600)	ND(12,000)	ND(2,800)	ND(8,800)	ND(3,800)	ND(8.5)	ND(11)	ND(10)	ND(11)	ND(13)	ND(8.9)	ND(11)	ND(14)	ND(460)	ND(11)	ND(9.2)	ND(12)	ND(33,000)	ND(36,000)	ND(27,000)	ND(2,600)	ND(60,000)	ND(55,000)	ND(53,000)	ND(68,000)	ND(33,000)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(1,400)	ND(360)	ND(1,200)	ND(280)	ND(880)	ND(380)	ND(0.85)	ND(1.1)	ND(1)	ND(1.1)	ND(1.3)	ND(0.89)	ND(1.1)	ND(1.4)	ND(46)	ND(1.1)	ND(0.92)	ND(1.2)	ND(3,300)	ND(3,600)	ND(2,700)	ND(260)	ND(6,000)	ND(5,500)	ND(5,300)	ND(6,800)	ND(3,300)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	**198,000**	**28,400**	**90,000**	**13,800**	**83,000**	**10,500**	ND(1.7)	ND(2.3)	ND(2.1)	ND(2.2)	ND(2.6)	ND(1.8)	ND(2.1)	ND(2.8)	ND(91)	11	28	533	**31,000**	**115,000**	**376,000**	**22,200**	**880,000**	**830,000**	**960,000**	**345,000**	**327,000**

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting limits

µg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 25
VOC CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:							B241-90	B242-05	B242-10	B242-20	B242-30	B242-40	B242-50	B242-60	B242-70	B242-80	B242-90	B243-05	B243-10	B243-30	B243-50	B243-70	B243-90
Approx. Depth[1] (feet bgs):							90	5	10	20	30	40	50	60	70	80	90	5	10	30	50	70	90
Date Collected:	CSL by depth (feet bgs)						01/23/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B241	B242	B242	B242	B242	B242	B242	B242	B242	B242	B242	B243	B243	B243	B243	B243	B243
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(5,800)	ND(2,300)	ND(140)	ND(11,000)	ND(230)	ND(1,000)	ND(460)	ND(93)	ND(470)	ND(1,000)	ND(390)	ND(1.8)	ND(1,600)	ND(90)	ND(360)	ND(300)	ND(1,200)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(29,000)	ND(11,000)	ND(680)	ND(56,000)	ND(1,100)	ND(5,100)	ND(2,300)	ND(470)	ND(2,400)	ND(5,000)	ND(2,000)	ND(8.9)	ND(8,000)	ND(450)	ND(1,800)	ND(1,500)	ND(6,000)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(5,800)	ND(2,300)	ND(140)	ND(11,000)	ND(230)	ND(1,000)	ND(460)	ND(93)	ND(470)	ND(1,000)	ND(390)	ND(1.8)	ND(1,600)	ND(90)	ND(360)	ND(300)	ND(1,200)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(5,800)	ND(2,300)	ND(140)	ND(11,000)	ND(230)	ND(1,000)	ND(460)	ND(93)	ND(470)	ND(1,000)	ND(390)	ND(1.8)	ND(1,600)	ND(90)	ND(360)	ND(300)	ND(1,200)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(5,800)	ND(2,300)	ND(140)	ND(11,000)	ND(230)	ND(1,000)	ND(460)	ND(93)	ND(470)	ND(1,000)	ND(390)	ND(1.8)	ND(1,600)	ND(90)	ND(360)	ND(300)	ND(1,200)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(5,800)	ND(2,300)	ND(140)	ND(11,000)	ND(230)	ND(1,000)	ND(460)	ND(93)	ND(470)	ND(1,000)	ND(390)	ND(1.8)	ND(1,600)	ND(90)	ND(360)	ND(300)	ND(1,200)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	**110,000**	**19,000**	ND(140)	**250,000**	**4,400**	**44,000**	**8,800**	**620**	**16,000**	**30,000**	**2,800**	ND(1.8)	ND(1,600)	**150**	**4,100**	**5,100**	**3,300**
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(15,000)	ND(5,700)	ND(340)	ND(28,000)	ND(560)	ND(2,600)	ND(1,200)	ND(230)	ND(1,200)	ND(2,500)	ND(980)	ND(4.4)	ND(4,000)	ND(220)	ND(910)	ND(760)	ND(3,000)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	**45,000**	**3,300**	ND(140)	**90,000**	**1,600**	**17,000**	**3,500**	**230**	**5,900**	**9,700**	**4,600**	ND(1.8)	ND(1,600)	ND(90)	**970**	**1,600**	ND(1,200)
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(15,000)	ND(5,700)	ND(340)	ND(28,000)	ND(560)	ND(2,600)	ND(1,200)	ND(230)	ND(1,200)	ND(2,500)	ND(980)	ND(4.4)	ND(4,000)	ND(220)	ND(910)	ND(760)	ND(3,000)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	ND(58,000)	ND(23,000)	ND(1,400)	ND(110,000)	ND(2,300)	ND(10,000)	ND(4,600)	ND(930)	ND(4,700)	ND(10,000)	ND(3,900)	ND(18)	ND(16,000)	ND(900)	ND(3,600)	ND(3,000)	ND(12,000)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(58,000)	ND(23,000)	ND(1,400)	ND(110,000)	ND(2,300)	ND(10,000)	ND(4,600)	ND(930)	ND(4,700)	ND(10,000)	ND(3,900)	ND(18)	ND(16,000)	ND(900)	ND(3,600)	ND(3,000)	ND(12,000)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(58,000)	ND(23,000)	ND(1,400)	ND(110,000)	ND(2,300)	ND(10,000)	ND(4,600)	ND(930)	ND(4,700)	ND(10,000)	ND(3,900)	ND(18)	ND(16,000)	ND(900)	ND(3,600)	ND(3,000)	ND(12,000)
Acetone	500	500	500	500	500	µg/kg	ND(150,000)	ND(57,000)	ND(3,400)	ND(280,000)	ND(5,600)	ND(26,000)	ND(12,000)	ND(2,300)	ND(12,000)	ND(25,000)	ND(9,800)	86	ND(40,000)	ND(2,200)	ND(9,100)	ND(7,600)	ND(30,000)
Benzene	22	13	5	3	1	µg/kg	**7,600**	**24,000**	**520**	**170,000**	**1,600**	**73,000**	**4,300**	**790**	**9,100**	**12,000**	**8,600**	**75**	**1,300**	**1,100**	**3,400**	**2,300**	**1,600**
Bromobenzene	440	260	100	60	20	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(5,800)	ND(2,300)	ND(140)	ND(11,000)	ND(230)	ND(1,000)	ND(460)	ND(93)	ND(470)	ND(1,000)	ND(390)	ND(1.8)	ND(1,600)	ND(90)	ND(360)	ND(300)	ND(1,200)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(15,000)	ND(5,700)	ND(340)	ND(28,000)	ND(560)	ND(2,600)	ND(1,200)	ND(230)	ND(1,200)	ND(2,500)	ND(980)	ND(4.4)	ND(4,000)	ND(220)	ND(910)	ND(760)	ND(3,000)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(58,000)	ND(23,000)	ND(1,400)	ND(110,000)	ND(2,300)	ND(10,000)	ND(4,600)	ND(930)	ND(4,700)	ND(10,000)	ND(3,900)	ND(18)	ND(16,000)	ND(900)	ND(3,600)	ND(3,000)	ND(12,000)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(29,000)	ND(11,000)	ND(680)	ND(56,000)	ND(1,100)	ND(5,100)	ND(2,300)	ND(470)	ND(2,400)	ND(5,000)	ND(2,000)	ND(8.9)	ND(8,000)	ND(450)	ND(1,800)	ND(1,500)	ND(6,000)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
Chloroethane	850	850	850	850	850	µg/kg	ND(5,800)	ND(2,300)	ND(140)	ND(11,000)	ND(230)	ND(1,000)	ND(460)	ND(93)	ND(470)	ND(1,000)	ND(390)	ND(1.8)	ND(1,600)	ND(90)	ND(360)	ND(300)	ND(1,200)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(58,000)	ND(23,000)	ND(1,400)	ND(110,000)	ND(2,300)	ND(10,000)	ND(4,600)	ND(930)	ND(4,700)	ND(10,000)	ND(3,900)	ND(18)	ND(16,000)	ND(900)	ND(3,600)	ND(3,000)	ND(12,000)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(5,800)	ND(2,300)	ND(140)	ND(11,000)	ND(230)	ND(1,000)	ND(460)	ND(93)	ND(470)	ND(1,000)	ND(390)	ND(1.8)	ND(1,600)	ND(90)	ND(360)	ND(300)	ND(1,200)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(5,800)	ND(2,300)	ND(140)	ND(11,000)	ND(230)	ND(1,000)	ND(460)	ND(93)	ND(470)	ND(1,000)	ND(390)	ND(1.8)	ND(1,600)	ND(90)	ND(360)	ND(300)	ND(1,200)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(1,500,000)	ND(570,000)	ND(34,000)	ND(2,800,000)	ND(56,000)	ND(260,000)	ND(120,000)	ND(23,000)	ND(120,000)	ND(250,000)	ND(98,000)	ND(440)	ND(400,000)	ND(22,000)	ND(91,000)	ND(76,000)	ND(300,000)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	**46,000**	**8,500**	ND(68)	**120,000**	**1,600**	**27,000**	**4,400**	300	**7,700**	**11,000**	**8,200**	1.2	ND(800)	250	**1,600**	**1,200**	**1,200**
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	**14,000**	3,700	ND(68)	**35,000**	530	**5,900**	1,100	74	**1,900**	**2,700**	**2,700**	25	3,900	190	700	660	**790**
Methylene Chloride	77	65	25	15	5	µg/kg	ND(29,000)	ND(11,000)	ND(680)	ND(56,000)	ND(1,100)	ND(5,100)	ND(2,600 B)	ND(470)	ND(2,400)	ND(5,000)	ND(2,300 B)	ND(8.9)	ND(8,100 B)	ND(450)	ND(1,800)	ND(1,500)	ND(6,000)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	ND(5,800)	ND(2,300)	ND(140)	ND(11,000)	ND(230)	ND(1,000)	ND(460)	ND(93)	ND(470)	ND(1,000)	ND(390)	ND(1.8)	ND(1,600)	ND(90)	ND(360)	ND(300)	ND(1,200)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	ND(29,000)	**12,000**	ND(680)	**67,000**	**1,300**	**13,000**	ND(2,300)	ND(470)	ND(2,400)	ND(5,000)	**4,600**	ND(8.9)	**8,900**	ND(450)	ND(1,800)	ND(1,500)	ND(6,000)
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	8,200	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	1,300 J	80 J	2,300 J	3,900 J	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	19,000	5,300	ND(68)	55,000	880	9,200	1,900	120	3,400	5,400	5,300	25	7,000	270	1,100	1,100	1,200
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	ND(2,900)	2,800	ND(68)	**54,000**	1,300	**23,000**	3,500	260	**6,200**	**8,300**	**1,500**	1.3	ND(800)	49	850	**1,800**	**1,600**
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	**230,000**	12,000	ND(140)	**150,000**	2,900	**44,000**	**8,500**	570	**15,000**	**16,000**	**6,800**	2.3	ND(1,600)	95	1,800	**2,500**	1,400
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	7,700	3,700	ND(68)	49,000	890	8,500	800	55	1,400	1,900	3,400	ND(0.89)	ND(800)	88	1,500	1,500	930
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	7,200	1,900	ND(68)	19,000	320	3,100	670	ND(47)	1,200	1,600	1,700	22	4,000	190	470	460	820
Styrene	1,500	1,300	500	300	100	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(5,800)	ND(2,300)	ND(140)	ND(11,000)	ND(230)	ND(1,000)	ND(460)	ND(93)	ND(470)	ND(1,000)	ND(390)	ND(1.8)	ND(1,600)	ND(90)	ND(360)	ND(300)	ND(1,200)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(58,000)	ND(23,000)	ND(1,400)	ND(110,000)	ND(2,300)	ND(10,000)	ND(4,600)	ND(930)	ND(4,700)	ND(10,000)	ND(3,900)	ND(18)	ND(16,000)	ND(900)	ND(3,600)	ND(3,000)	ND(12,000)
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	2.5	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
Toluene	2,900	1,950	750	450	150	µg/kg	ND(2,900)	1,400	ND(68)	**8,700**	680	**32,000**	**2,900**	220	**3,500**	**3,200**	**2,000**	1.6	ND(800)	87	**800**	**730**	**1,000**
Trichloroethene	110	65	25	15	5	µg/kg	ND(5,800)	ND(2,300)	ND(140)	ND(11,000)	ND(230)	ND(1,000)	ND(460)	ND(93)	ND(470)	ND(1,000)	ND(390)	ND(1.8)	ND(1,600)	ND(90)	ND(360)	ND(300)	ND(1,200)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(29,000)	ND(11,000)	ND(680)	ND(56,000)	ND(1,100)	ND(5,100)	ND(2,300)	ND(470)	ND(2,400)	ND(5,000)	ND(2,000)	ND(8.9)	ND(8,000)	ND(450)	ND(1,800)	ND(1,500)	ND(6,000)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(29,000)	ND(11,000)	ND(680)	ND(56,000)	ND(1,100)	ND(5,100)	ND(2,300)	ND(470)	ND(2,400)	ND(5,000)	ND(2,000)	ND(8.9)	ND(8,000)	ND(450)	ND(1,800)	ND(1,500)	ND(6,000)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(2,900)	ND(1,100)	ND(68)	ND(5,600)	ND(110)	ND(510)	ND(230)	ND(47)	ND(240)	ND(500)	ND(200)	ND(0.89)	ND(800)	ND(45)	ND(180)	ND(150)	ND(600)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	**230,000**	**14,800**	ND(140)	**204,000**	**4,200**	**67,000**	**12,000**	830	**21,200**	**24,300**	**8,300**	3.6	ND(1,600)	144	**2,650**	**4,300**	**3,000**

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting limits

µg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 26
PAH DETECTION FREQUENCY IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Approximate Depth[2] (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
1-Methylnaphthalene	5	490	240,000	7	20	35
	10	36	370,000	10	20	50
	20	130	820,000	2	4	50
	30	40	180,000	7	20	35
	40	410	290,000	3	4	75
	50	4.8	670,000	10	20	50
	60	24	11,000	4	4	100
	70	65	110,000	7	20	35
	80	100	15,000	3	4	75
	90	45	89,000	8	20	40
2-Methylnaphthalene	5	560	350,000	7	20	35
	10	56	550,000	10	20	50
	20	180	1,300,000	3	4	75
	30	0.25	290,000	8	20	40
	40	700	450,000	3	4	75
	50	7.9	1,000,000	10	20	50
	60	34	17,000	4	4	100
	70	31	170,000	8	20	40
	80	210	20,000	3	4	75
	90	31	150,000	10	20	50
Acenaphthene	5	260	25,000	3	20	15
	10	46	29,000	3	20	15
	30	0.24	29	2	20	10
	70	150	6,300	2	20	10
	90	130	130	1	20	5
Acenaphthylene	10	39	39	1	20	5
	70	100	2,200	2	20	10
	90	92	92	1	20	5
Anthracene	5	240	240	1	20	5
Benzo(a)anthracene	5	230	230	1	20	5
Chrysene	5	400	420	2	20	10
Fluorene	5	280	33,000	3	20	15
	10	4.6	35,000	5	20	25
	20	0.027	0.027	1	4	25
	30	54	54	1	20	5
	50	2,400	2,400	1	20	5
	70	84	9,000	3	20	15
	90	92	210	2	20	10
Naphthalene	5	310	120,000	6	20	30
	10	8.5	130,000	9	20	45
	20	0.12	340,000	3	4	75
	30	26	290,000	8	20	40
	40	610	72,000	3	4	75
	50	6.1	190,000	7	20	35
	60	900	37,000	3	4	75
	70	3.1	200,000	10	20	50
	80	500	13,000	4	4	100
	90	0.57	55,000	10	20	50

TABLE 26
PAH DETECTION FREQUENCY IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Approximate Depth[2] (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
Phenanthrene	5	240	84,000	8	20	40
	10	2,600	42,000	3	20	15
	30	120	16,000	2	20	10
	50	58	10,000	4	20	20
	60	2,100	2,100	1	4	25
	70	25,000	25,000	1	20	5
	80	2,500	2,500	1	4	25
	90	53	1,000	2	20	10
Pyrene	5	220	12,000	4	20	20
	10	69	69	1	20	5

NOTES:

[1]PAHs analyzed for but not listed in this table were not detected.

[2]Refer to the boring logs for exact sample depths

bgs = below ground surface

µg/kg = micrograms per kilogram

PAH = polycyclic aromatic hydrocarbon

TABLE 27
PAH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B224-05	B224-10	B224-30	B224-50	B224-70	B224-90	B225-5	B225-10	B225-30	B225-50	B225-70	B225-90	B226-5	B226-10	B226-30	B226-50	B226-70	B226-90	B227-5
Approx. Depth[1] (feet bgs):			5	10	30	50	70	90	5	10	30	50	70	90	5	10	30	50	70	90	5
Date Collected:			01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/18/08	01/18/08	01/18/08	01/18/08	01/18/08	01/18/08	01/21/08
Location ID:	CSL	Unit	B224	B224	B224	B224	B224	B224	B225	B225	B225	B225	B225	B225	B226	B226	B226	B226	B226	B226	B227
PAHs																					
1-Methylnaphthalene	22,000	µg/kg	2,900	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	26	ND(21)	ND(21)	ND(220)	ND(230)	**100,000**	ND(21)	ND(21)	3,500	ND(230)
2-Methylnaphthalene	250	µg/kg	**4,200**	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	47	ND(21)	31	ND(220)	ND(230)	**200,000**	ND(21)	ND(21)	**6,300**	ND(230)
Acenaphthene	16,000	µg/kg	ND(2,300)	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	ND(21,000)	ND(21)	ND(21)	ND(210)	ND(230)
Acenaphthylene	13,000	µg/kg	ND(2,300)	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	ND(21,000)	ND(21)	ND(21)	ND(210)	ND(230)
Anthracene	2,800	µg/kg	ND(2,300)	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	ND(21,000)	ND(21)	ND(21)	ND(210)	ND(230)
Benzo(a)anthracene	150	µg/kg	ND(2,300)	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	ND(21,000)	ND(21)	ND(21)	ND(210)	ND(230)
Benzo(a)pyrene	15	µg/kg	ND(2,300)	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	ND(21,000)	ND(21)	ND(21)	ND(210)	ND(230)
Benzo(b)fluoranthene	150	µg/kg	ND(2,300)	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	ND(21,000)	ND(21)	ND(21)	ND(210)	ND(230)
Benzo(ghi)perylene	27,000	µg/kg	ND(2,300)	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	ND(21,000)	ND(21)	ND(21)	ND(210)	ND(230)
Benzo(k)fluoranthene	380	µg/kg	ND(2,300)	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	ND(21,000)	ND(21)	ND(21)	ND(210)	ND(230)
Chrysene	15,000	µg/kg	ND(2,300)	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	ND(21,000)	ND(21)	ND(21)	ND(210)	ND(230)
Dibenzo(a,h)anthracene	15	µg/kg	ND(2,300)	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	ND(21,000)	ND(21)	ND(21)	ND(210)	ND(230)
Fluoranthene	40,000	µg/kg	ND(2,300)	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	ND(21,000)	ND(21)	ND(21)	ND(210)	ND(230)
Fluorene	8,900	µg/kg	ND(2,300)	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	ND(21,000)	ND(21)	ND(21)	210	ND(230)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(2,300)	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	ND(21,000)	ND(21)	ND(21)	ND(210)	ND(230)
Naphthalene	1,300	µg/kg	ND(2,300)	ND(21)	26	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	**89,000**	ND(21)	ND(21)	**2,200**	ND(230)
Phenanthrene	11,000	µg/kg	3,700	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	ND(21,000)	ND(21)	ND(21)	ND(210)	ND(230)
Pyrene	85,000	µg/kg	ND(2,300)	ND(21)	ND(21)	ND(22)	ND(21)	ND(21)	ND(22)	ND(23)	ND(20)	ND(21)	ND(21)	ND(21)	ND(220)	ND(230)	ND(21,000)	ND(21)	ND(21)	ND(210)	ND(230)

NOTES
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between
the detection and reporting limits
µg/kg = micrograms per kilogram
ND = analyte not detected at reporting limit shown
PAH = polycyclic aromatic hydrocarbon
R = rejected datum

TABLE 27
PAH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B227-10	B227-30	B227-50	B227-70	B227-90	B228-05	B228-10	B228-30	B228-50	B228-70	B228-90	B229-05	B229-10	B229-30	B229-50	B229-70	B229-90	B230-5	B230-10	B230-30	B230-50	B230-70	B230-90	B231-5	B231-10
Approx. Depth[1] (feet bgs):			10	30	50	70	90	5	10	30	50	70	90	5	10	30	50	70	90	5	10	30	50	70	90	5	10
Date Collected:			01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/18/08	01/18/08	01/18/08	01/18/08	01/18/08	01/18/08	01/18/08	01/18/08	01/18/08	01/18/08	01/18/08	01/18/08	01/17/08	01/17/08	01/17/08	01/17/08	01/18/08	01/18/08	01/17/08	01/17/08
Location ID:	CSL	Unit	B227	B227	B227	B227	B227	B228	B228	B228	B228	B228	B228	B229	B229	B229	B229	B229	B229	B230	B230	B230	B230	B230	B230	B231	B231
PAHs																											
1-Methylnaphthalene	22,000	µg/kg	13,000	ND(22)	91	**41,000**	45	**160,000**	5,500	ND(24)	ND(21)	ND(21)	ND(21)	ND(110)	**92,000**	43	34	**58,000**	17,000	ND(220)	18,000	ND(21)	ND(20)	ND(21)	ND(20)	ND(22)	ND(22)
2-Methylnaphthalene	250	µg/kg	**26,000**	ND(22)	120	**58,000**	55	**250,000**	**8,700**	ND(24)	ND(21)	ND(21)	ND(21)	ND(110)	**170,000**	69	49	**100,000**	**30,000**	ND(220)	**27,000**	ND(21)	ND(20)	ND(21)	ND(20)	ND(22)	ND(22)
Acenaphthene	16,000	µg/kg	ND(2,200)	ND(22)	ND(21)	6,300	ND(21)	**25,000**	840	ND(24)	ND(21)	ND(21)	130	ND(110)	ND(11,000)	ND(21)	ND(21)	ND(2,100)	ND(2,100)	ND(220)	ND(2,300)	ND(21)	ND(20)	150	ND(20)	ND(22)	ND(22)
Acenaphthylene	13,000	µg/kg	ND(2,200)	ND(22)	ND(21)	2,200	ND(21)	ND(12,000)	ND(420)	ND(24)	ND(21)	ND(21)	92	ND(110)	ND(11,000)	ND(21)	ND(21)	ND(2,100)	ND(2,100)	ND(220)	ND(2,300)	ND(21)	ND(20)	100	ND(20)	ND(22)	ND(22)
Anthracene	2,800	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(2,100)	ND(21)	ND(12,000)	ND(420)	ND(24)	ND(21)	ND(21)	ND(21)	ND(110)	ND(11,000)	ND(21)	ND(21)	ND(2,100)	ND(2,100)	ND(220)	ND(2,300)	ND(21)	ND(20)	ND(21)	ND(20)	ND(22)	ND(22)
Benzo(a)anthracene	150	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(2,100)	ND(21)	ND(12,000)	ND(420)	ND(24)	ND(21)	ND(21)	ND(21)	ND(110)	ND(11,000)	ND(21)	ND(21)	ND(2,100)	ND(2,100)	ND(220)	ND(2,300)	ND(21)	ND(20)	ND(21)	ND(20)	ND(22)	ND(22)
Benzo(a)pyrene	15	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(2,100)	ND(21)	ND(12,000)	ND(420)	ND(24)	ND(21)	ND(21)	ND(21)	ND(110)	ND(11,000)	ND(21)	ND(21)	ND(2,100)	ND(2,100)	ND(220)	ND(2,300)	ND(21)	ND(20)	ND(21)	ND(20)	ND(22)	ND(22)
Benzo(b)fluoranthene	150	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(2,100)	ND(21)	ND(12,000)	ND(420)	ND(24)	ND(21)	ND(21)	ND(21)	ND(110)	ND(11,000)	ND(21)	ND(21)	ND(2,100)	ND(2,100)	ND(220)	ND(2,300)	ND(21)	ND(20)	ND(21)	ND(20)	ND(22)	ND(22)
Benzo(ghi)perylene	27,000	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(2,100)	ND(21)	ND(12,000)	ND(420)	ND(24)	ND(21)	ND(21)	ND(21)	ND(110)	ND(11,000)	ND(21)	ND(21)	ND(2,100)	ND(2,100)	ND(220)	ND(2,300)	ND(21)	ND(20)	ND(21)	ND(20)	ND(22)	ND(22)
Benzo(k)fluoranthene	380	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(2,100)	ND(21)	ND(12,000)	ND(420)	ND(24)	ND(21)	ND(21)	ND(21)	ND(110)	ND(11,000)	ND(21)	ND(21)	ND(2,100)	ND(2,100)	ND(220)	ND(2,300)	ND(21)	ND(20)	ND(21)	ND(20)	ND(22)	ND(22)
Chrysene	15,000	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(2,100)	ND(21)	ND(12,000)	ND(420)	ND(24)	ND(21)	ND(21)	ND(21)	400	ND(11,000)	ND(21)	ND(21)	ND(2,100)	ND(2,100)	ND(220)	ND(2,300)	ND(21)	ND(20)	ND(21)	ND(20)	ND(22)	ND(22)
Dibenzo(a,h)anthracene	15	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(2,100)	ND(21)	ND(12,000)	ND(420)	ND(24)	ND(21)	ND(21)	ND(21)	ND(110)	ND(11,000)	ND(21)	ND(21)	ND(2,100)	ND(2,100)	ND(220)	ND(2,300)	ND(21)	ND(20)	ND(21)	ND(20)	ND(22)	ND(22)
Fluoranthene	40,000	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(2,100)	ND(21)	ND(12,000)	ND(420)	ND(24)	ND(21)	ND(21)	ND(21)	ND(110)	ND(11,000)	ND(21)	ND(21)	ND(2,100)	ND(2,100)	ND(220)	ND(2,300)	ND(21)	ND(20)	ND(21)	ND(20)	ND(22)	ND(22)
Fluorene	8,900	µg/kg	2,900	ND(22)	ND(21)	**9,000**	ND(21)	**33,000**	1,000	ND(24)	ND(21)	ND(21)	92	ND(110)	ND(11,000)	ND(21)	ND(21)	3,100	ND(2,100)	ND(220)	ND(2,300)	ND(21)	ND(20)	84	ND(20)	ND(22)	ND(22)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(2,100)	ND(21)	ND(12,000)	ND(420)	ND(24)	ND(21)	ND(21)	ND(21)	ND(110)	ND(11,000)	ND(21)	ND(21)	ND(2,100)	ND(2,100)	ND(220)	ND(2,300)	ND(21)	ND(20)	ND(21)	ND(20)	ND(22)	ND(22)
Naphthalene	1,300	µg/kg	**9,100**	ND(22)	ND(21)	**12,000**	ND(21)	**40,000**	1,000	ND(24)	ND(21)	27	150	ND(110)	**81,000**	ND(21)	ND(21)	**27,000**	**6,800**	ND(220)	**6,500**	26	ND(20)	49	ND(20)	ND(22)	ND(22)
Phenanthrene	11,000	µg/kg	ND(2,200)	ND(22)	58	**25,000**	53	**84,000**	2,600	ND(24)	ND(21)	ND(21)	ND(21)	500	ND(11,000)	ND(21)	ND(21)	ND(2,100)	ND(2,100)	ND(220)	ND(2,300)	ND(21)	ND(20)	ND(21)	ND(20)	ND(22)	ND(22)
Pyrene	85,000	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(2,100)	ND(21)	12,000	ND(420)	ND(24)	ND(21)	ND(21)	ND(21)	220	ND(11,000)	ND(21)	ND(21)	ND(2,100)	ND(2,100)	ND(220)	ND(2,300)	ND(21)	ND(20)	ND(21)	ND(20)	ND(22)	ND(22)

NOTES

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 27
PAH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B231-30	B231-50	B231-70	B231-90	B232-05	B232-10	B232-30	B232-50	B232-70	B232-90	B233-05	B233-10	B233-30	B233-50	B233-70	B233-90	B234-05	B234-10	B234-20	B234-30	B234-40	B234-50	B234-60	B234-70	B234-80	B234-90
Approx. Depth[1] (feet bgs):			30	50	70	90	5	10	30	50	70	90	5	10	30	50	70	90	5	10	20	30	40	50	60	70	80	90
Date Collected:			01/17/08	01/17/08	01/17/08	01/17/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/21/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08
Location ID:	CSL	Unit	B231	B231	B231	B231	B232	B232	B232	B232	B232	B232	B233	B233	B233	B233	B233	B233	B234	B234	B234	B234	B234	B234	B234	B234	B234	B234
PAHs																												
1-Methylnaphthalene	22,000	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	380	ND(20)	18,000	11,000	65	15,000	ND(2,000)
2-Methylnaphthalene	250	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	**480**	ND(20)	**24,000**	**17,000**	110	**20,000**	**3,500**
Acenaphthene	16,000	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	46	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	29	ND(20)	ND(2,000)	ND(2,000)	ND(20)	ND(2,000)	ND(2,000)
Acenaphthylene	13,000	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	39	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(2,000)	ND(20)	ND(2,000)	ND(2,000)
Anthracene	2,800	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(2,000)	ND(20)	ND(2,000)	ND(2,000)
Benzo(a)anthracene	150	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(2,000)	ND(20)	ND(2,000)	ND(2,000)
Benzo(a)pyrene	15	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(2,000)	ND(20)	ND(2,000)	ND(2,000)
Benzo(b)fluoranthene	150	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(2,000)	ND(20)	ND(2,000)	ND(2,000)
Benzo(ghi)perylene	27,000	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(2,000)	ND(20)	ND(2,000)	ND(2,000)
Benzo(k)fluoranthene	380	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(2,000)	ND(20)	ND(2,000)	ND(2,000)
Chrysene	15,000	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(2,000)	ND(20)	ND(2,000)	ND(2,000)
Dibenzo(a,h)anthracene	15	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(2,000)	ND(20)	ND(2,000)	ND(2,000)
Fluoranthene	40,000	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(2,000)	ND(20)	ND(2,000)	ND(2,000)
Fluorene	8,900	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	41	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	54	ND(20)	2,400	ND(2,000)	ND(20)	ND(2,000)	ND(2,000)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(2,000)	ND(20)	ND(2,000)	ND(2,000)
Naphthalene	1,300	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	49	ND(20)	35	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	140	ND(20)	**11,000**	**14,000**	29	**13,000**	**2,700**
Phenanthrene	11,000	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	120	ND(20)	5,200	2,100	ND(20)	2,500	ND(2,000)
Pyrene	85,000	µg/kg	ND(21)	ND(21)	ND(25)	ND(21)	ND(240)	ND(24)	ND(22)	ND(21)	ND(21)	ND(21)	ND(20)	69	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(2,000)	ND(20)	ND(2,000)	ND(2,000)

NOTES

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 27
PAH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B235-5	B235-10	B235-30	B235-50	B235-70	B235-90	B236-05	B236-10	B236-30	B236-50	B236-70	B236-90	B237-5	B237-10	B237-30	B237-50	B237-70	B237-90	B238-5	B238-10	B238-20	B238-30	B238-40
Approx. Depth[1] (feet bgs):			5	10	30	50	70	90	5	10	30	50	70	90	5	10	30	50	70	90	5	10	20	30	40
Date Collected:			01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08
Location ID:	CSL	Unit	B235	B235	B235	B235	B235	B235	B236	B236	B236	B236	B236	B236	B237	B237	B237	B237	B237	B237	B238	B238	B238	B238	B238
PAHs																									
1-Methylnaphthalene	22,000	µg/kg	ND(23)	ND(220)	40	ND(21)	ND(22)	ND(21)	ND(230)	120	ND(23)	66	ND(21)	ND(21)	**240,000**	**370,000**	**180,000**	**110,000**	**110,000**	2,400	15,000	**100,000**	**820,000**	**95,000**	**290,000**
2-Methylnaphthalene	250	µg/kg	ND(23)	ND(220)	47	ND(21)	ND(22)	ND(21)	ND(230)	150	ND(23)	90	31	ND(21)	**350,000**	**550,000**	**290,000**	**170,000**	**170,000**	**3,800**	**23,000**	**160,000**	**1,300,000**	**150,000**	**450,000**
Acenaphthene	16,000	µg/kg	ND(23)	ND(220)	ND(22)	ND(21)	ND(22)	ND(21)	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	**19,000**	**29,000**	ND(11,000)	ND(10,000)	ND(10,000)	ND(410)	ND(1,100)	ND(11,000)	ND(120,000)	ND(11,000)	ND(12,000)
Acenaphthylene	13,000	µg/kg	ND(23)	ND(220)	ND(22)	ND(21)	ND(22)	ND(21)	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(12,000)	ND(11,000)	ND(11,000)	ND(10,000)	ND(10,000)	ND(410)	ND(1,100)	ND(11,000)	ND(120,000)	ND(11,000)	ND(12,000)
Anthracene	2,800	µg/kg	ND(23)	ND(220)	ND(22)	ND(21)	ND(22)	ND(21)	240	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(12,000)	ND(11,000)	ND(11,000)	ND(10,000)	ND(10,000)	ND(410)	ND(1,100)	ND(11,000)	ND(120,000)	ND(11,000)	ND(12,000)
Benzo(a)anthracene	150	µg/kg	ND(23)	ND(220)	ND(22)	ND(21)	ND(22)	ND(21)	**230**	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(12,000)	ND(11,000)	ND(11,000)	ND(10,000)	ND(10,000)	ND(410)	ND(1,100)	ND(11,000)	ND(120,000)	ND(11,000)	ND(12,000)
Benzo(a)pyrene	15	µg/kg	ND(23)	ND(220)	ND(22)	ND(21)	ND(22)	ND(21)	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(12,000)	ND(11,000)	ND(11,000)	ND(10,000)	ND(10,000)	ND(410)	ND(1,100)	ND(11,000)	ND(120,000)	ND(11,000)	ND(12,000)
Benzo(b)fluoranthene	150	µg/kg	ND(23)	ND(220)	ND(22)	ND(21)	ND(22)	ND(21)	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(12,000)	ND(11,000)	ND(11,000)	ND(10,000)	ND(10,000)	ND(410)	ND(1,100)	ND(11,000)	ND(120,000)	ND(11,000)	ND(12,000)
Benzo(ghi)perylene	27,000	µg/kg	ND(23)	ND(220)	ND(22)	ND(21)	ND(22)	ND(21)	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(12,000)	ND(11,000)	ND(11,000)	ND(10,000)	ND(10,000)	ND(410)	ND(1,100)	ND(11,000)	ND(120,000)	ND(11,000)	ND(12,000)
Benzo(k)fluoranthene	380	µg/kg	ND(23)	ND(220)	ND(22)	ND(21)	ND(22)	ND(21)	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(12,000)	ND(11,000)	ND(11,000)	ND(10,000)	ND(10,000)	ND(410)	ND(1,100)	ND(11,000)	ND(120,000)	ND(11,000)	ND(12,000)
Chrysene	15,000	µg/kg	ND(23)	ND(220)	ND(22)	ND(21)	ND(22)	ND(21)	420	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(12,000)	ND(11,000)	ND(11,000)	ND(10,000)	ND(10,000)	ND(410)	ND(1,100)	ND(11,000)	ND(120,000)	ND(11,000)	ND(12,000)
Dibenzo(a,h)anthracene	15	µg/kg	ND(23)	ND(220)	ND(22)	ND(21)	ND(22)	ND(21)	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(12,000)	ND(11,000)	ND(11,000)	ND(10,000)	ND(10,000)	ND(410)	ND(1,100)	ND(11,000)	ND(120,000)	ND(11,000)	ND(12,000)
Fluoranthene	40,000	µg/kg	ND(23)	ND(220)	ND(22)	ND(21)	ND(22)	ND(21)	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(12,000)	ND(11,000)	ND(11,000)	ND(10,000)	ND(10,000)	ND(410)	ND(1,100)	ND(11,000)	ND(120,000)	ND(11,000)	ND(12,000)
Fluorene	8,900	µg/kg	ND(23)	ND(220)	ND(22)	ND(21)	ND(22)	ND(21)	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	**25,000**	**35,000**	ND(11,000)	ND(10,000)	ND(10,000)	ND(410)	ND(1,100)	ND(11,000)	ND(120,000)	ND(11,000)	ND(12,000)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(23)	ND(220)	ND(22)	ND(21)	ND(22)	ND(21)	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(12,000)	ND(11,000)	ND(11,000)	ND(10,000)	ND(10,000)	ND(410)	ND(1,100)	ND(11,000)	ND(120,000)	ND(11,000)	ND(12,000)
Naphthalene	1,300	µg/kg	ND(23)	R	ND(22)	ND(21)	ND(22)	ND(21)	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	**120,000**	**130,000**	**290,000**	**190,000**	**200,000**	**3,500**	**6,100**	**35,000**	**340,000**	**39,000**	**72,000**
Phenanthrene	11,000	µg/kg	ND(23)	ND(220)	ND(22)	ND(21)	ND(22)	ND(21)	850	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	**44,000**	**42,000**	**16,000**	10,000	ND(10,000)	ND(410)	ND(1,100)	ND(11,000)	ND(120,000)	ND(11,000)	ND(12,000)
Pyrene	85,000	µg/kg	ND(23)	ND(220)	ND(22)	ND(21)	ND(22)	ND(21)	700	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(12,000)	ND(11,000)	ND(11,000)	ND(10,000)	ND(10,000)	ND(410)	ND(1,100)	ND(11,000)	ND(120,000)	ND(11,000)	ND(12,000)

NOTES

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 27
PAH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B238-50	B238-60	B238-70	B238-80	B238-90	B239-05	B239-10	B239-30	B239-50	B239-70	B239-90	B240-5	B240-10	B240-30	B240-50	B240-70	B240-90	B241-5	B241-10	B241-20	B241-30	B241-40	B241-50	B241-60	B241-70
Approx. Depth[1] (feet bgs):			50	60	70	80	90	5	10	30	50	70	90	5	10	30	50	70	90	5	10	20	30	40	50	60	70
Date Collected:			01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08	01/23/08
Location ID:	CSL	Unit	B238	B238	B238	B238	B238	B239	B239	B239	B239	B239	B239	B240	B240	B240	B240	B240	B240	B241	B241	B241	B241	B241	B241	B241	B241
PAHs																											
1-Methylnaphthalene	22,000	µg/kg	**670,000**	5,200	ND(1,000)	ND(1,000)	R	490	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	**89,000**	1,500	2,000	ND(210)	100	410	440	290	110
2-Methylnaphthalene	250	µg/kg	**1,000,000**	**8,900**	ND(1,000)	ND(1,000)	R	**560**	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	**150,000**	**3,000**	**4,300**	**380**	190	**700**	**820**	**610**	210
Acenaphthene	16,000	µg/kg	ND(100,000)	ND(1,200)	ND(1,000)	ND(1,000)	R	260	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	ND(24,000)	ND(230)	ND(230)	ND(210)	ND(23)	ND(240)	ND(220)	ND(22)	ND(21)
Acenaphthylene	13,000	µg/kg	ND(100,000)	ND(1,200)	ND(1,000)	ND(1,000)	R	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	ND(24,000)	ND(230)	ND(230)	ND(210)	ND(23)	ND(240)	ND(220)	ND(22)	ND(21)
Anthracene	2,800	µg/kg	ND(100,000)	ND(1,200)	ND(1,000)	ND(1,000)	R	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	ND(24,000)	ND(230)	ND(230)	ND(210)	ND(23)	ND(240)	ND(220)	ND(22)	ND(21)
Benzo(a)anthracene	150	µg/kg	ND(100,000)	ND(1,200)	ND(1,000)	ND(1,000)	R	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	ND(24,000)	ND(230)	ND(230)	ND(210)	ND(23)	ND(240)	ND(220)	ND(22)	ND(21)
Benzo(a)pyrene	15	µg/kg	ND(100,000)	ND(1,200)	ND(1,000)	ND(1,000)	R	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	ND(24,000)	ND(230)	ND(230)	ND(210)	ND(23)	ND(240)	ND(220)	ND(22)	ND(21)
Benzo(b)fluoranthene	150	µg/kg	ND(100,000)	ND(1,200)	ND(1,000)	ND(1,000)	R	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	ND(24,000)	ND(230)	ND(230)	ND(210)	ND(23)	ND(240)	ND(220)	ND(22)	ND(21)
Benzo(ghi)perylene	27,000	µg/kg	ND(100,000)	ND(1,200)	ND(1,000)	ND(1,000)	R	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	ND(24,000)	ND(230)	ND(230)	ND(210)	ND(23)	ND(240)	ND(220)	ND(22)	ND(21)
Benzo(k)fluoranthene	380	µg/kg	ND(100,000)	ND(1,200)	ND(1,000)	ND(1,000)	R	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	ND(24,000)	ND(230)	ND(230)	ND(210)	ND(23)	ND(240)	ND(220)	ND(22)	ND(21)
Chrysene	15,000	µg/kg	ND(100,000)	ND(1,200)	ND(1,000)	ND(1,000)	R	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	ND(24,000)	ND(230)	ND(230)	ND(210)	ND(23)	ND(240)	ND(220)	ND(22)	ND(21)
Dibenzo(a,h)anthracene	15	µg/kg	ND(100,000)	ND(1,200)	ND(1,000)	ND(1,000)	R	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	ND(24,000)	ND(230)	ND(230)	ND(210)	ND(23)	ND(240)	ND(220)	ND(22)	ND(21)
Fluoranthene	40,000	µg/kg	ND(100,000)	ND(1,200)	ND(1,000)	ND(1,000)	R	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	ND(24,000)	ND(230)	ND(230)	ND(210)	ND(23)	ND(240)	ND(220)	ND(22)	ND(21)
Fluorene	8,900	µg/kg	ND(100,000)	ND(1,200)	ND(1,000)	ND(1,000)	R	280	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	ND(24,000)	ND(230)	ND(230)	ND(210)	ND(23)	ND(240)	ND(220)	ND(22)	ND(21)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(100,000)	ND(1,200)	ND(1,000)	ND(1,000)	R	ND(230)	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	ND(24,000)	ND(230)	ND(230)	ND(210)	ND(23)	ND(240)	ND(220)	ND(22)	ND(21)
Naphthalene	1,300	µg/kg	**180,000**	**37,000**	**2,100**	**4,000**	340	310	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	**2,000**	ND(21)	ND(21)	**55,000**	**5,700**	**8,300**	820	230	610	940	900	470
Phenanthrene	11,000	µg/kg	ND(100,000)	ND(1,200)	ND(1,000)	ND(1,000)	R	640	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	ND(24,000)	240	ND(230)	ND(210)	ND(23)	ND(240)	ND(220)	ND(22)	ND(21)
Pyrene	85,000	µg/kg	ND(100,000)	ND(1,200)	ND(1,000)	ND(1,000)	R	500	ND(24)	ND(23)	ND(21)	ND(21)	ND(21)	ND(23)	ND(23)	ND(230)	ND(21)	ND(21)	ND(24,000)	ND(230)	ND(230)	ND(210)	ND(23)	ND(240)	ND(220)	ND(22)	ND(21)

NOTES

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 27
PAH CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B241-80	B241-90	B242-05	B242-10	B242-20	B242-30	B242-40	B242-50	B242-60	B242-70	B242-80	B242-90	B243-05	B243-10	B243-30	B243-50	B243-70	B243-90
Approx. Depth[1] (feet bgs):			80	90	5	10	20	30	40	50	60	70	80	90	5	10	30	50	70	90
Date Collected:			01/23/08	01/23/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08	01/25/08
Location ID:	CSL	Unit	B241	B241	B242	B242	B242	B242	B242	B242	B242	B242	B242	B242	B243	B243	B243	B243	B243	B243
PAHs																				
1-Methylnaphthalene	22,000	µg/kg	100	98	6,700	36	130	ND(210)	7,800	4.8 J	24	3,500	4,200	11,000	ND(23)	**27,000**	ND(210)	500	2,200	670
2-Methylnaphthalene	250	µg/kg	210	200	**11,000**	56	180	0.25 J	**13,000**	7.9 J	34	**5,500**	**8,600**	**23,000**	ND(23)	**25,000**	ND(210)	**330**	**3,700**	**980**
Acenaphthene	16,000	µg/kg	ND(22)	ND(22)	ND(1,200)	ND(23)	ND(25)	ND(210)	ND(1,000)	ND(210)	ND(21)	ND(1,000)	ND(1,000)	ND(1,000)	ND(23)	ND(3,100)	0.24 J	ND(21)	ND(210)	ND(210)
Acenaphthylene	13,000	µg/kg	ND(22)	ND(22)	ND(1,200)	ND(23)	ND(25)	ND(210)	ND(1,000)	ND(210)	ND(21)	ND(1,000)	ND(1,000)	ND(1,000)	ND(23)	ND(3,100)	ND(210)	ND(21)	ND(210)	ND(210)
Anthracene	2,800	µg/kg	ND(22)	ND(22)	ND(1,200)	ND(23)	ND(25)	ND(210)	ND(1,000)	ND(210)	ND(21)	ND(1,000)	ND(1,000)	ND(1,000)	ND(23)	ND(3,100)	ND(210)	ND(21)	ND(210)	ND(210)
Benzo(a)anthracene	150	µg/kg	ND(22)	ND(22)	ND(1,200)	ND(23)	ND(25)	ND(210)	ND(1,000)	ND(210)	ND(21)	ND(1,000)	ND(1,000)	ND(1,000)	ND(23)	ND(3,100)	ND(210)	ND(21)	ND(210)	ND(210)
Benzo(a)pyrene	15	µg/kg	ND(22)	ND(22)	ND(1,200)	ND(23)	ND(25)	ND(210)	ND(1,000)	ND(210)	ND(21)	ND(1,000)	ND(1,000)	ND(1,000)	ND(23)	ND(3,100)	ND(210)	ND(21)	ND(210)	ND(210)
Benzo(b)fluoranthene	150	µg/kg	ND(22)	ND(22)	ND(1,200)	ND(23)	ND(25)	ND(210)	ND(1,000)	ND(210)	ND(21)	ND(1,000)	ND(1,000)	ND(1,000)	ND(23)	ND(3,100)	ND(210)	ND(21)	ND(210)	ND(210)
Benzo(ghi)perylene	27,000	µg/kg	ND(22)	ND(22)	ND(1,200)	ND(23)	ND(25)	ND(210)	ND(1,000)	ND(210)	ND(21)	ND(1,000)	ND(1,000)	ND(1,000)	ND(23)	ND(3,100)	ND(210)	ND(21)	ND(210)	ND(210)
Benzo(k)fluoranthene	380	µg/kg	ND(22)	ND(22)	ND(1,200)	ND(23)	ND(25)	ND(210)	ND(1,000)	ND(210)	ND(21)	ND(1,000)	ND(1,000)	ND(1,000)	ND(23)	ND(3,100)	ND(210)	ND(21)	ND(210)	ND(210)
Chrysene	15,000	µg/kg	ND(22)	ND(22)	ND(1,200)	ND(23)	ND(25)	ND(210)	ND(1,000)	ND(210)	ND(21)	ND(1,000)	ND(1,000)	ND(1,000)	ND(23)	ND(3,100)	ND(210)	ND(21)	ND(210)	ND(210)
Dibenzo(a,h)anthracene	15	µg/kg	ND(22)	ND(22)	ND(1,200)	ND(23)	ND(25)	ND(210)	ND(1,000)	ND(210)	ND(21)	ND(1,000)	ND(1,000)	ND(1,000)	ND(23)	ND(3,100)	ND(210)	ND(21)	ND(210)	ND(210)
Fluoranthene	40,000	µg/kg	ND(22)	ND(22)	ND(1,200)	ND(23)	ND(25)	ND(210)	ND(1,000)	ND(210)	ND(21)	ND(1,000)	ND(1,000)	ND(1,000)	ND(23)	ND(3,100)	ND(210)	ND(21)	ND(210)	ND(210)
Fluorene	8,900	µg/kg	ND(22)	ND(22)	ND(1,200)	ND(23)	0.027 J	ND(210)	ND(1,000)	ND(210)	ND(21)	ND(1,000)	ND(1,000)	ND(1,000)	ND(23)	4.6 J	ND(210)	ND(21)	ND(210)	ND(210)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(22)	ND(22)	ND(1,200)	ND(23)	ND(25)	ND(210)	ND(1,000)	ND(210)	ND(21)	ND(1,000)	ND(1,000)	ND(1,000)	ND(23)	ND(3,100)	ND(210)	ND(21)	ND(210)	ND(210)
Naphthalene	1,300	µg/kg	500	450	**4,600**	ND(23)	0.12 J	ND(210)	**8,400**	6.1 J	ND(21)	**3,900**	**4,300**	**11,000**	ND(23)	8.5 J	ND(0.21)	520	3.1 J	0.57 J
Phenanthrene	11,000	µg/kg	ND(22)	ND(22)	1,900	ND(23)	ND(25)	ND(210)	ND(1,000)	230	ND(21)	ND(1,000)	ND(1,000)	1,000	ND(23)	5,200	ND(210)	ND(21)	ND(210)	ND(210)
Pyrene	85,000	µg/kg	ND(22)	ND(22)	ND(1,200)	ND(23)	ND(25)	ND(210)	ND(1,000)	ND(210)	ND(21)	ND(1,000)	ND(1,000)	ND(1,000)	ND(23)	ND(3,100)	ND(210)	ND(21)	ND(210)	ND(210)

NOTES

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 28
METAL DETECTION FREQUENCY IN DEEP SOIL

ISQLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Approximate Depth[2] (feet bgs)	Minimum Detection (mg/kg)	Maximum Detection (mg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
Arsenic	5	8.71	11.1	3	3	100
Barium	5	202	239	3	3	100
Beryllium	5	0.762	1	3	3	100
Chromium	5	27.8	61.3	3	3	100
Chromium, Hexavalent	5	0.3	0.74	2	2	100
Cobalt	5	14.7	17.3	3	3	100
Copper	5	28.3	45.8	3	3	100
Lead	5	12.4	51.5	3	3	100
Mercury	5	0.129	0.129	1	3	33.3
Nickel	5	22.4	27	3	3	100
Selenium	5	0.887	1.55	2	3	66.7
Vanadium	5	47.1	66.7	3	3	100
Zinc	5	71.9	96.7	3	3	100

NOTES:

[1]Metals analyzed for but not listed in this table were not detected.

[2]Refer to the boring logs for exact sample depths

bgs = below ground surface

mg/kg = milligrems per kilogram

TABLE 29
METAL CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B228-05	B229-05	B234-05	B235-5	B238-5
Approx. Depth[1] (feet bgs):			5	5	5	5	5
Date Collected:			01/18/08	01/18/08	01/23/08	01/25/08	01/25/08
Location ID:	CSL	Unit	B228	B229	B234	B235	B238
Antimony	6	mg/kg	ND(0.87)	ND(0.858)	NA	ND(0.852)	NA
Arsenic	13	mg/kg	10	11.1	NA	8.71	NA
Barium	750	mg/kg	226	239	NA	202	NA
Beryllium	4	mg/kg	0.762	1	NA	0.967	NA
Cadmium	1.7	mg/kg	ND(0.58)	ND(0.572)	NA	ND(0.568)	NA
Chromium	50	mg/kg	29.1	**61.3**	NA	27.8	NA
Chromium, Hexavalent	530	μg/kg	NA	NA	**740**	NA	300
Cobalt	23	mg/kg	14.7	17.3	NA	16.2	NA
Copper	230	mg/kg	35.5	45.8	NA	28.3	NA
Lead	15	mg/kg	14.7	**51.5**	NA	12.4	NA
Mercury	1.3	mg/kg	ND(0.0969)	0.129	NA	ND(0.0949)	NA
Molybdenum	40	mg/kg	ND(0.29)	ND(0.286)	NA	ND(0.284)	NA
Nickel	100	mg/kg	24.7	27	NA	22.4	NA
Selenium	10	mg/kg	0.887	1.55	NA	ND(0.852)	NA
Silver	20	mg/kg	ND(0.29)	ND(0.286)	NA	ND(0.284)	NA
Thallium	1.3	mg/kg	ND(0.87)	ND(0.858)	NA	ND(0.852)	NA
Vanadium	16	mg/kg	**47.1**	**66.7**	NA	**56.8**	NA
Zinc	600	mg/kg	71.9	96.7	NA	78.5	NA

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

μg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at reporting limit shown

TABLE 30
PCB CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL	Unit	B234-05 5 01/23/08 B234	B238-5 5 01/25/08 B238	B242-05 5 01/25/08 B242
PCB-1016	89	µg/kg	ND(57)	ND(57)	ND(60)
PCB-1221	89	µg/kg	ND(57)	ND(57)	ND(60)
PCB-1232	89	µg/kg	ND(57)	ND(57)	ND(60)
PCB-1242	89	µg/kg	ND(57)	ND(57)	ND(60)
PCB-1248	89	µg/kg	ND(57)	ND(57)	ND(60)
PCB-1254	89	µg/kg	ND(57)	ND(57)	ND(60)
PCB-1260	89	µg/kg	ND(57)	ND(57)	ND(60)
PCB-1262	--	µg/kg	ND(57)	ND(57)	ND(60)

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = iden ifica ion
µg/kg = micrograms per kilogram
ND = analyte not detected at reporting limit shown
PCB = polychlorinated biphenyl
-- = not applicable

TABLE 31
OCP CONCENTRATIONS IN DEEP SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL	Unit	B224-05 5 01/21/08 B224	B237-5 5 01/23/08 B237
4,4-DDD	2,000	µg/kg	ND(5.7)	ND(6)
4,4-DDE	1,400	µg/kg	ND(5.7)	ND(6)
4,4-DDT	1,700	µg/kg	ND(5.7)	ND(6)
Aldrin	29	µg/kg	ND(5.7)	ND(6)
Alpha BHC	- -	µg/kg	ND(5.7)	ND(6)
Beta BHC	- -	µg/kg	ND(5.7)	ND(6)
Chlordane	430	µg/kg	ND(57)	ND(60)
Delta BHC	- -	µg/kg	ND(5.7)	ND(6)
Dieldrin	2.3	µg/kg	ND(5.7)	ND(6)
Endosulfan I	370,000	µg/kg	ND(5.7)	ND(6)
Endosulfan II	370,000	µg/kg	ND(5.7)	ND(6)
Endosulfan sulfate	- -	µg/kg	ND(5.7)	ND(6)
Endrin	0.65	µg/kg	ND(5.7)	ND(6)
Endrin aldehyde	- -	µg/kg	ND(5.7)	ND(6)
Endrin Ketone	- -	µg/kg	ND(5.7)	ND(6)
Heptachlor	13	µg/kg	ND(5.7)	ND(6)
Heptachlor epoxide	14	µg/kg	ND(5.7)	ND(6)
Lindane	500	µg/kg	ND(5.7)	ND(6)
Methoxychlor	19,000	µg/kg	ND(5.7)	ND(6)
Toxaphene	0.42	µg/kg	ND(110)	ND(120)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

D =

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

OCP = organochlorine pesticide

– = not applicable

TABLE 32
SOIL PHYSICAL PARAMETER ANALYTICAL RESULTS

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:		B227-30	B227-70	B231-5	B231-50	B232-10	B232-90	B236-20	B236-40	B241-10	B241-90	B243-60	B243-80
Approx. Depth[1] (feet bgs):		30	70	5	50	10	90	20	40	10	90	60	80
Date Collected:		01/21/08	01/21/08	01/17/08	01/17/08	01/21/08	01/21/08	01/22/08	01/22/08	01/23/08	01/23/08	01/25/08	01/25/08
Location ID:	Unit	B227	B227	B231	B231	B232	B232	B236	B236	B241	B241	B243	B243
Hydraulic Conductivity	cm/s	0.00104	0.000252	0.000565	0.00000497	0.000229	0.000428	0.0000503	0.000126	0.000000698	0 00211	0.000127	0.00355
Permeability to Water	millidarcy	1,050	257	572	4.94	244	459	53.4	134	0.740	2,290	136	3,790
Permeability to Air	millidarcy	8,770	3,150	1,370	7,470	57.9	8,500	7,800	5,970	37.6	6,900	9,740	9,760
Total Organic Carbon	mg/kg	2,650	250	780	240	280	ND(100)	ND(100)	ND(100)	1,250	260	ND(100)	300
Total Sample Volume	cc	16.4	17.4	25.6	24.3	21.2	19.8	20.6	21.8	19.1	19.8	18.5	18.4
Moisture	% by weight	2.74	4.32	0.118	10.1	21.1	6.82	8.33	14.5	17.3	5.18	5.16	3 87
Water Content	% by volume	4.03	6.67	0.196	16.4	30.4	10.7	13.1	25.4	28.6	8.16	7.59	6 03
Density, Dry Bulk	g/cc	1.47	1.54	1.65	1.62	1.44	1.56	1.57	1.75	1.65	1.57	1.47	1 56
Median Grain Size	mm	0.686	0.588	0.346	0.511	0.0710	0.716	0.121	0.579	0.0176	0.570	0 353	0.767
Gravel	% by weight	0	0	9.62	2.01	0	0	0	0	0	1.73	0	0
Coarse Sand	% by weight	0	0	4.45	4.41	0	0	0	0	0	6.16	0	0
Medium Sand	% by weight	92.6	71.9	31.1	53.4	7.78	88.8	12.5	63.1	0	58.8	40.3	84.5
Fine Sand	% by weight	6.48	20.3	38.1	38.2	40.6	9.43	51.5	17.3	16.7	29.3	56.4	11.7
Silt	% by weight	0.652	6.20	NA	NA	45.6	1.39	31.9	15.3	58.6	2.00	2.71	3 06
Clay	% by weight	0.233	1.63	NA	NA	6.02	0.392	4.02	4.30	24.7	2.00	0 596	0.738
Silt and Clay	% by weight	0.885	7.83	16.7	1.90	51.6	1.78	36.0	19.6	83.3	4.02	3.31	3 80

NOTES

[1]Refer to the boring logs for exact sample depths

bgs = below ground surface

cc = cubic centimeters

cm/s = centimeters per second

g/cc = grams per cubic centimeter

D = identification

mg/kg = milligrams per kilogram

mm = millimeters

ND = analyte not detected at reporting limit shown

TABLE 33
TPH DETECTION FREQUENCY IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte	Approximate Depth[1] (feet bgs)	Minimum Detection (mg/kg)	Maximum Detection (mg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
C_6 to C_{10}	5	0.019	1,420	32	75	42.7
	10	0.02	2,250	22	76	28.9
	20	0.88	9,050	11	75	14.7
	30	0.038	2,950	12	75	16.0
	40	0.063	5,460	11	76	14.5
	50	0.13	6,340	5	20	25.0
	60	1.2	2,220	4	19	21.1
	70	0.18	1,860	3	19	15.8
	80	0.71	1,380	5	20	25.0
	90	0.064	1,280	10	20	50.0
C_{10} to C_{22}	5	0.711	16,500	53	75	70.7
	10	1.1	20,600	40	76	52.6
	20	0.74	22,200	32	75	42.7
	30	0.17	10,900	22	75	29.3
	40	0.498	6,420	24	76	31.6
	50	0.23	6,400	7	20	35.0
	60	0.018	2,950	7	19	36.8
	70	0.91	4,870	8	19	42.1
	80	1.64	1,570	9	20	45.0
	90	0.11	1,590	15	20	75.0
C_{22} to C_{36}	5	0.041	14,100	53	75	70.7
	10	0.015	4,610	38	76	50.0
	20	0.19	3,860	32	75	42.7
	30	0.37	1,120	20	75	26.7
	40	0.12	618	23	76	30.3
	50	0.49	41.3	4	20	20.0
	60	0.745	197	6	19	31.6
	70	0.023	184	7	19	36.8
	80	0.27	141	10	20	50.0
	90	0.9	151	12	20	60.0

NOTES:
[1]Refer to the boring logs for exact sample depths
bgs = below ground surface
mg/kg = milligrams per kilogram
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B244-05 5 01/17/08 B244	B244-10 10 01/17/08 B244	B244-20 20 01/17/08 B244	B244-30 30 01/17/08 B244	B244-40 40 01/17/08 B244	B244-50 50 01/17/08 B244	B244-60 60 01/17/08 B244	B244-70 70 01/17/08 B244	B244-80 80 01/17/08 B244	B244-90 90 01/17/08 B244	B245-05 5 01/15/08 B245	B245-10 10 01/15/08 B245	B245-20 20 01/15/08 B245	B245-30 30 01/15/08 B245	B245-40 40 01/15/08 B245	B245-50 50 01/15/08 B245	B245-60 60 01/15/08 B245
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.30	ND	ND	ND	ND	ND	ND	ND
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
[1]Refer to he boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = es imated concentration between the detection and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B245-70 70 01/15/08 B245	B245-80 80 01/15/08 B245	B245-90 90 01/15/08 B245	B246-5 5 01/15/08 B246	B246-10 10 01/15/08 B246	B246-20 20 01/15/08 B246	B246-30 30 01/15/08 B246	B246-40 40 01/15/08 B246	B246-50 50 01/15/08 B246	B246-60 60 01/15/08 B246	B246-70 70 01/15/08 B246	B246-80 80 01/15/08 B246	B246-90 90 01/15/08 B246	B247-05 5 01/17/08 B247	B247-10 10 01/17/08 B247	B247-20 20 01/17/08 B247
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	38.0	ND	ND	ND	ND	17.7	ND	ND	0.0640	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	ND	ND	ND	**88.2**	**2,590**	ND	ND	ND	ND	**2,950**	ND	ND	56.0	**98.0**	ND	4.40
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	ND	166	**2,210**	ND	1.11	ND	ND	197	ND	0.670	1.30	136	ND	ND

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between the detection and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (repor ing limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:	CSL	CSL		B247-30	B247-40	B247-50	B247-60	B247-70	B247-80	B247-90	B248-05	B248-10	B248-20	B248-30	B248-40	B248-50	B248-60	B248-70	B248-80
Approx. Depth[1] (feet bgs):				30	40	50	60	70	80	90	5	10	20	30	40	50	60	70	80
Date Collected:				01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08
Location ID:	(≤10 feet bgs)	(>10 feet bgs)	Unit	B247	B247	B247	B247	B247	B247	B247	B248	B248	B248	B248	B248	B248	B248	B248	B248
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	**84.0**	52.6	ND	ND	ND	ND	ND	ND	ND	ND	1.83
C_{10} to C_{22}	83	83	mg/kg	**90.1**	ND	9.40	ND	ND	**1,440**	**1,590**	ND	ND	ND	ND	ND	ND	ND	ND	**318**
C_{22} to C_{36}	370	5,000	mg/kg	107	ND	ND	ND	ND	141	151	ND	ND	ND	ND	ND	ND	ND	0.0230	24.8

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = iden ification
J = estimated concentration between he detec ion and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:	CSL	CSL		B248-90	B249-05	B249-10	B249-20	B249-30	B249-40	B249-50	B249-70	B249-80	B249-90	B250-05	B250-10	B250-20	B250-30	B250-40	B250-50	B250-60
Approx. Depth[1] (feet bgs):				90	5	10	20	30	40	50	70	80	90	5	10	20	30	40	50	60
Date Collected:				01/15/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08
Location ID:	(≤10 feet bgs)	(>10 feet bgs)	Unit	B248	B249	B249	B249	B249	B249	B249	B249	B249	B249	B250	B250	B250	B250	B250	B250	B250
C_6 to C_{10}	83	83	mg/kg	2.23	**1,420**	**270**	ND	ND	ND	ND	ND	ND	19.7	0.0830	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	**289**	**2,740**	**704**	ND	ND	ND	ND	ND	1.64	**397**	9.61	ND	ND	1.30	ND	ND	ND
C_{22} to C_{36}	370	5,000	mg/kg	25.5	14.8	0.0150	ND	ND	ND	ND	ND	6.25	0.900	39.9	ND	ND	0.679	ND	ND	ND

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between the detection and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B250-70 70 01/16/08 B250	B250-80 80 01/16/08 B250	B250-90 90 01/16/08 B250	B251-05 5 01/16/08 B251	B251-10 10 01/16/08 B251	B251-20 20 01/16/08 B251	B251-30 30 01/16/08 B251	B251-40 40 01/16/08 B251	B251-50 50 01/16/08 B251	B251-60 60 01/16/08 B251	B251-70 70 01/16/08 B251	B251-80 80 01/16/08 B251	B251-90 90 01/16/08 B251	B252-5 5 01/15/08 B252	B252-10 10 01/15/08 B252	B252-20 20 01/15/08 B252	B252-30 30 01/15/08 B252
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	ND	0.0380	ND	ND	ND	ND	ND	ND	8.86	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	ND	ND	ND	ND	ND	ND	3.24	ND	ND	ND	ND	ND	1.05	14.2	ND	ND	ND
C_{22} to C_{36}	370	5,000	mg/kg	ND	0.270	ND	ND	ND	ND	1.07	ND	ND	ND	ND	ND	1.02	16.2	ND	ND	ND

NOTES:
[1]Refer to he boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between the detection and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (repor ing limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B252-40 40 01/15/08 B252	B252-50 50 01/15/08 B252	B252-60 60 01/15/08 B252	B252-70 70 01/15/08 B252	B252-80 80 01/15/08 B252	B252-90 90 01/15/08 B252	B253-05 5 01/31/08 B253	B253-10 10 01/31/08 B253	B253-20 20 01/31/08 B253	B253-30 30 01/31/08 B253	B253-40 40 01/31/08 B253	B253-50 50 01/31/08 B253	B253-60 60 01/31/08 B253	B253-70 70 01/31/08 B253	B253-80 80 01/31/08 B253	B253-90 90 01/31/08 B253	B254-05 5 02/05/08 B254
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	19.7	19.7	**412**	72.3	ND	ND	ND	0.130	54.0	**632**	ND	1.10	ND
C_{10} to C_{22}	83	83	mg/kg	ND	ND	ND	ND	**876**	**887**	**16,500**	**2,640**	30.3	ND	ND	**236**	**1,020**	**4,870**	**109**	33.3	25.1
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	ND	ND	ND	ND	**1,790**	**441**	2.50	ND	ND	3.41	107	184	1.37	2.46	25.1

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between the detection and repor ing limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B254-10 10 02/05/08 B254	B254-20 20 02/05/08 B254	B254-30 30 02/05/08 B254	B254-40 40 02/05/08 B254	B254-50 50 02/05/08 B254	B254-60 60 02/05/08 B254	B254-70 70 02/05/08 B254	B254-80 80 02/05/08 B254	B254-90 90 02/05/08 B254	B255-05 5 01/31/08 B255	B255-10 10 01/31/08 B255	B255-20 20 01/31/08 B255	B255-30 30 01/31/08 B255	B255-40 40 01/31/08 B255	B255-50 50 01/31/08 B255	B255-60 60 01/31/08 B255	B255-70 70 01/31/08 B255
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	**195**	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	1.89	7.85	0.170	ND	ND	ND	1.23	ND	**605**	**150**	ND	ND	ND	ND	ND	ND	0.910
C_{22} to C_{36}	370	5,000	mg/kg	0.300	1.19	0.370	ND	ND	ND	0.902	ND	4.19	296	ND	ND	ND	ND	ND	ND	ND

NOTES:
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J = estimated concentration between he detec ion and reporting limits
mg/kg = milligrams per kilogram
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TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B255-80 80 01/31/08 B255	B255-90 90 01/31/08 B255	B256-05 5 01/31/08 B256	B256-10 10 01/31/08 B256	B256-20 20 01/31/08 B256	B256-30 30 01/31/08 B256	B256-40 40 01/31/08 B256	B256-50 50 01/31/08 B256	B256-60 60 01/31/08 B256	B256-70 70 01/31/08 B256	B256-80 80 01/31/08 B256	B256-90 90 01/31/08 B256	B257-05 5 01/30/08 B257	B257-10 10 01/30/08 B257	B257-20 20 01/30/08 B257	B257-30 30 01/30/08 B257	B257-40 40 01/30/08 B257
C_6 to C_{10}	83	83	mg/kg	0.710	ND	ND	ND	ND	ND	ND	2.10	ND	ND	ND	ND	68.0	**210**	**8,880**	**607**	0.720
C_{10} to C_{22}	83	83	mg/kg	5.26	ND	ND	ND	5.27	ND	ND	10.5	5.18	2.02	3.48	1.52	**4,020**	**1,480**	**20,500**	**968**	5.72
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	ND	ND	2.62	ND	ND	6.06	3.48	2.04	1.49	1.67	**4,430**	77.8	3,860	75.6	0.740

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mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:	CSL	CSL		B257-50	B257-60	B257-70	B257-80	B257-90	B258-05	B258-10	B258-20	B258-30	B258-40	B258-50	B258-60	B258-80	B258-90	B259-05	B259-10	B259-30	B259-40
Approx. Depth[1] (feet bgs):				50	60	70	80	90	5	10	20	30	40	50	60	80	90	5	10	30	40
Date Collected:				01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	02/01/08	02/01/08	02/01/08	02/01/08
Location ID:	(≤10 feet bgs)	(>10 feet bgs)	Unit	B257	B257	B257	B257	B257	B258	B258	B258	B258	B258	B258	B258	B258	B258	B259	B259	B259	B259
C_6 to C_{10}	83	83	mg/kg	**6,340**	**2,220**	**1,860**	**1,380**	**1,280**	24.2	**187**	67.0	**179**	ND	2.60	1.20	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	**6,400**	**2,300**	**1,980**	**1,570**	**1,460**	**2,800**	**18,200**	**7,200**	**9,040**	9.99	11.3	7.08	78.7	42.2	ND	ND	ND	ND
C_{22} to C_{36}	370	5,000	mg/kg	ND	18.0	12.2	4.10	ND	51.1	52.5	24.3	171	ND	0.490	0.745	2.07	2.83	ND	ND	ND	ND

NOTES:
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J = estimated concentration between the detection and repor ing limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:	CSL	CSL		B259-50	B259-60	B259-70	B259-80	B259-90	B260-05	B260-10	B260-20	B260-30	B260-40	B260-50	B260-60	B260-70	B260-80	B260-90	B261-5	B261-10
Approx. Depth[1] (feet bgs):				50	60	70	80	90	5	10	20	30	40	50	60	70	80	90	5	10
Date Collected:				02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	01/21/09	01/21/09
Location ID:	(≤10 feet bgs)	(>10 feet bgs)	Unit	B259	B259	B259	B259	B259	B260	B260	B260	B260	B260	B260	B260	B260	B260	B260	B261	B261
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	**334**	**140**	9.50	ND	ND	ND	ND	0.180	ND	10.6	**807**	ND
C_{10} to C_{22}	83	83	mg/kg	ND	ND	2.17	ND	ND	**1,060**	**564**	29.3	ND	ND	0.230	2.22	3.21	ND	22.9	**12,300**	ND
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	0.720	ND	ND	**759**	3.11	0.344	ND	ND	ND	ND	ND	ND	3.25	**14,100**	ND

NOTES:
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J = estimated concentration between the detection and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B261-20 20 01/21/09 B261	B261-30 30 01/21/09 B261	B261-40 40 01/21/09 B261	B261-50 50 01/21/09 B261	B261-60 60 01/21/09 B261	B261-70 70 01/21/09 B261	B261-80 80 01/21/09 B261	B261-90 90 01/21/09 B261	B262-05 5 01/29/08 B262	B262-10 10 01/29/08 B262	B262-20 20 01/29/08 B262	B262-30 30 01/29/08 B262	B262-40 40 01/29/08 B262	B262-50 50 01/29/08 B262	B262-60 60 01/29/08 B262	B262-70 70 01/29/08 B262	B262-80 80 01/29/08 B262	B262-90 90 01/29/08 B262
C_6 to C_{10}	83	83	mg/kg	0.880	ND	ND	2.08	ND	ND	ND	5.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	22.9	ND	ND	40.7	0.0180	ND	ND	23.1	ND	ND	2.23	ND	1.22	ND	ND	1.34	ND	0.110
C_{22} to C_{36}	370	5,000	mg/kg	29.9	ND	ND	41.3	1.69	ND	2.24	18.3	ND	ND	2.00	ND	1.04	ND	ND	1.15	ND	2.23

NOTES:
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Detections exceeding CSLs are bolded and shaded.
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CSL = Cleanup Screening Level
ID = identification
J = es imated concentration between the detection and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B263-05 5 02/04/08 B263	B263-10 10 02/04/08 B263	B263-20 20 02/04/08 B263	B263-30 30 02/04/08 B263	B263-40 40 02/04/08 B263	B263-50 50 02/04/08 B263	B263-60 60 02/04/08 B263	B263-70 70 02/04/08 B263	B263-80 80 02/04/08 B263	B263-90 90 02/04/08 B263	B264-5 5 01/15/08 B264	B264-10 10 01/15/08 B264	B264-20 20 01/15/08 B264	B264-30 30 01/15/08 B264	B264-40 40 01/15/08 B264	B266-05 5 01/14/08 B266	B266-10 10 01/14/08 B266
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	**278**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.40
C_{22} to C_{36}	370	5,000	mg/kg	**1,000**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
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bgs = below ground surface
CSL = Cleanup Screening Level
ID = iden ification
J = estimated concentration between he detec ion and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

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TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B266-20 20 01/14/08 B266	B266-30 30 01/14/08 B266	B266-40 40 01/14/08 B266	B267-05 5 01/15/08 B267	B267-10 10 01/15/08 B267	B267-20 20 01/15/08 B267	B267-30 30 01/15/08 B267	B267-40 40 01/15/08 B267	B268-05 5 02/01/08 B268	B268-10 10 02/01/08 B268	B268-20 20 02/01/08 B268	B268-30 30 02/01/08 B268	B268-40 40 02/01/08 B268	B270-5 5 01/20/09 B270	B270-10 10 01/20/09 B270	B270-20 20 01/20/09 B270	B270-30 30 01/20/09 B270	B270-40 40 01/20/09 B270
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	ND	ND	ND	3.30	3.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.87	ND	ND
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	ND	ND	ND	0.910	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.420	ND	ND

NOTES:

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Detec ions exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identifica ion

J = estimated concentra ion between the detection and reporting limits

mg/kg = milligrams per kilogram

ND = analyte not detected (reporting limit not available)

TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B271-5 5 01/14/08 B271	B271-10 10 01/14/08 B271	B271-20 20 01/14/08 B271	B271-30 30 01/14/08 B271	B271-40 40 01/14/08 B271	B272-5 5 01/14/08 B272	B272-10 10 01/14/08 B272	B272-20 20 01/14/08 B272	B272-30 30 01/14/08 B272	B272-40 40 01/14/08 B272	B274-05 5 01/14/08 B274	B274-10 10 01/14/08 B274	B274-20 20 01/14/08 B274	B274-30 30 01/14/08 B274	B274-40 40 01/14/08 B274	B275-5 5 01/14/08 B275	B275-10 10 01/14/08 B275	B275-20 20 01/14/08 B275
C_6 to C_{10}	83	83	mg/kg	ND	0.0200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	ND	3.17	1.72	1.06	ND	0.711	1.67	ND	1.35	ND	**200**	**288**	ND	ND	0.580	2.94	2.20	1.24
C_{22} to C_{36}	370	5,000	mg/kg	ND	0.0440	0.617	0.600	ND	0.0410	1.35	ND	0.503	ND	323	**419**	ND	ND	ND	1.27	1.13	0.784

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mg/kg = milligrams per kilogram
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TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:	CSL	CSL		B275-30	B275-40	B276-05	B276-10	B276-20	B276-30	B276-40	B277-5	B277-10	B277-20	B277-30	B277-40	B278-5	B278-10	B278-20	B278-30	B278-40
Approx. Depth[1] (feet bgs):				30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40
Date Collected:				01/14/08	01/14/08	02/04/08	02/04/08	02/04/08	02/04/08	02/04/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08
Location ID:	(≤10 feet bgs)	(>10 feet bgs)	Unit	B275	B275	B276	B276	B276	B276	B276	B277	B277	B277	B277	B277	B278	B278	B278	B278	B278
C_6 to C_{10}	83	83	mg/kg	ND	ND	0.790	ND	ND	ND	ND	1.13	ND	ND	ND	ND	**184**	71.2	35.0	**108**	ND
C_{10} to C_{22}	83	83	mg/kg	ND	0.720	**475**	8.87	ND	ND	ND	**717**	6.25	11.9	1.76	9.61	**9,460**	**5,890**	**3,150**	**3,210**	6.83
C_{22} to C_{36}	370	5,000	mg/kg	ND	0.530	**900**	1.18	ND	ND	ND	123	1.27	2.49	0.856	1.52	**6,030**	**1,030**	331	251	1.07

NOTES:
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TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B279-5 5 01/16/08 B279	B279-10 10 01/16/08 B279	B279-20 20 01/16/08 B279	B279-30 30 01/16/08 B279	B279-40 40 01/16/08 B279	B280-5 5 01/16/08 B280	B280-10 10 01/16/08 B280	B280-20 20 01/16/08 B280	B280-30 30 01/16/08 B280	B280-40 40 01/16/08 B280	B281-5 5 01/14/08 B281	B281-10 10 01/14/08 B281	B281-20 20 01/14/08 B281	B281-30 30 01/14/08 B281	B281-40 40 01/14/08 B281	B282-05 5 01/28/08 B282	B282-10 10 01/28/08 B282
C_6 to C_{10}	83	83	mg/kg	**136**	48.0	0.887	0.370	ND	8.80	39.0	ND	**86.0**	80.7	ND	7.80	9.90	6.34	49.5	2.40	ND
C_{10} to C_{22}	83	83	mg/kg	**1,190**	**4,100**	**152**	**141**	5.82	**548**	**3,150**	6.34	**3,290**	**3,140**	2.68	**2,410**	**1,350**	**1,170**	**6,200**	29.8	4.22
C_{22} to C_{36}	370	5,000	mg/kg	**1,690**	**3,720**	139	124	2.43	**583**	**3,400**	1.37	130	78.7	1.34	222	127	107	523	45.5	1.77

NOTES:
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mg/kg = milligrams per kilogram
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TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B282-20 20 01/28/08 B282	B282-30 30 01/28/08 B282	B282-40 40 01/28/08 B282	B283-05 5 01/29/08 B283	B283-10 10 01/29/08 B283	B283-20 20 01/29/08 B283	B283-30 30 01/29/08 B283	B283-40 40 01/29/08 B283	B284-05 5 01/28/08 B284	B284-10 10 01/28/08 B284	B284-20 20 01/28/08 B284	B284-30 30 01/28/08 B284	B284-40 40 01/28/08 B284	B285-05 5 01/28/08 B285	B285-10 10 01/28/08 B285	B285-20 20 01/28/08 B285	B285-30 30 01/28/08 B285	B285-40 40 01/28/08 B285
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	27.0	ND	ND	ND	ND	8.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	ND	ND	ND	**236**	ND	3.15	ND	6.48	61.8	ND	0.740	ND	ND	**103**	1.25	ND	ND	0.498
C_{22} to C_{36}	370	5,000	mg/kg	0.190	ND	ND	326	ND	2.75	ND	2.61	188	ND	0.429	ND	ND	**536**	1.65	ND	ND	0.798

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between the detection and reporting limits

mg/kg = milligrams per kilogram

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FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B286-5 5 01/22/09 B286	B286-10 10 01/22/09 B286	B286-20 20 01/22/09 B286	B286-30 30 01/22/09 B286	B286-40 40 01/22/09 B286	B287-5 5 01/22/08 B287	B287-10 10 01/22/08 B287	B287-20 20 01/22/08 B287	B287-30 30 01/22/08 B287	B287-40 40 01/22/08 B287	B288-05 5 01/17/08 B288	B288-10 10 01/17/08 B288	B288-20 20 01/17/08 B288	B288-30 30 01/17/08 B288	B288-40 40 01/17/08 B288	B289-5 5 01/28/08 B289	B289-10 10 01/28/08 B289
C_6 to C_{10}	83	83	mg/kg	ND	ND	**134**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	82.5	**265**	**638**	1.93	ND	12.6	27.7	1.80	ND	ND	ND	ND	ND	ND	2.00	17.1	ND
C_{22} to C_{36}	370	5,000	mg/kg	**482**	**771**	513	9.92	ND	55.8	112	1.42	ND	ND	ND	ND	ND	ND	2.00	59.6	ND

NOTES:
[1]Refer to the boring logs for exact sample dep hs
Detec ions exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentra ion between the detection and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B289-20 20 01/28/08 B289	B289-30 30 01/28/08 B289	B289-40 40 01/28/08 B289	B290-5 5 01/28/08 B290	B290-10 10 01/28/08 B290	B290-20 20 01/28/08 B290	B290-30 30 01/28/08 B290	B290-40 40 01/28/08 B290	B291-10 10 01/29/08 B291	B291-20 20 01/29/08 B291	B291-30 30 01/29/08 B291	B291-40 40 01/29/08 B291	B292-5 5 01/22/09 B292	B292-10 10 01/22/09 B292	B292-20 20 01/22/09 B292	B292-30 30 01/22/09 B292	B292-40 40 01/22/09 B292	B293-5 5 01/22/09 B293
C_6 to C_{10}	83	83	mg/kg	ND	ND	1.70	0.0190	25.7	ND	ND	ND	ND	ND	ND	ND	58.7	12.4	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	ND	ND	**256**	**358**	**590**	3.63	1.59	ND	21.9	5.84	ND	ND	**283**	59.9	4.61	21.7	ND	ND
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	231	**1,070**	**1,470**	4.25	0.775	ND	83.9	31.3	ND	0.120	**710**	204	19.0	110	ND	ND

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between he detection and repor ing limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:	CSL	CSL		B293-10	B293-20	B293-30	B293-40	B294-05	B294-10	B294-20	B294-30	B294-40	B295-5	B295-10	B295-20	B295-30	B295-40	B297-5	B297-10	B297-20	B297-30
Approx. Depth[1] (feet bgs):				10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30
Date Collected:				01/22/09	01/22/09	01/22/09	01/22/09	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/20/09	01/20/09	01/20/09	01/20/09
Location ID:	(≤10 feet bgs)	(>10 feet bgs)	Unit	B293	B293	B293	B293	B294	B294	B294	B294	B294	B295	B295	B295	B295	B295	B297	B297	B297	B297
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	3.15	ND	ND	ND	16.8	0.270	ND	ND	0.640	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	ND	ND	ND	ND	**107**	**234**	3.18	4.13	ND	28.1	ND	ND	ND	3.88	5.00	ND	ND	ND
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	ND	ND	111	275	1.04	3.59	ND	23.7	ND	ND	ND	6.41	16.7	ND	ND	ND

NOTES:
[1]Refer to he boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between the detection and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (repor ing limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B297-40 40 01/20/09 B297	B298-5 5 01/28/08 B298	B298-10 10 01/28/08 B298	B298-20 20 01/28/08 B298	B298-30 30 01/28/08 B298	B298-40 40 01/28/08 B298	B299-5 5 01/19/09 B299	B299-10 10 01/19/09 B299	B299-20 20 01/19/09 B299	B299-30 30 01/19/09 B299	B299-40 40 01/19/09 B299	B300-05 5 02/06/08 B300	B300-10 10 02/06/08 B300	B300-20 20 02/06/08 B300	B300-30 30 02/06/08 B300	B300-40 40 02/06/08 B300	B301-05 5 02/06/08 B301
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	ND	**191**	**2,250**	**1,370**	**2,950**	**1,230**	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	ND	ND	1.15	ND	ND	0.620	**3,380**	**20,600**	**7,220**	**10,900**	**5,060**	ND	ND	ND	ND	ND	47.1
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	0.940	ND	ND	0.460	52.0	**2,290**	382	1,120	618	1.14	ND	ND	ND	ND	82.0

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between he detection and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B301-10 10 02/06/08 B301	B301-20 20 02/06/08 B301	B301-30 30 02/06/08 B301	B301-40 40 02/06/08 B301	B302-05 5 02/05/08 B302	B302-10 10 02/05/08 B302	B302-20 20 02/05/08 B302	B302-30 30 02/05/08 B302	B302-40 40 02/05/08 B302	B303-05 5 01/28/08 B303	B303-10 10 01/28/08 B303	B303-20 20 01/28/08 B303	B303-30 30 01/28/08 B303	B303-40 40 01/28/08 B303	B304-5 5 01/19/09 B304	B304-10 10 01/19/09 B304	B304-20 20 01/19/09 B304	B304-30 30 01/19/09 B304
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	**483**	**1,070**	**9,050**	**2,750**	**1,340**	1.78	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	2.32	ND	ND	ND	ND	ND	ND	ND	0.505	**4,690**	**5,990**	**22,200**	**6,940**	**4,520**	20.5	ND	ND	ND
C_{22} to C_{36}	370	5,000	mg/kg	1.44	ND	ND	ND	ND	ND	ND	ND	1.10	**1,280**	**1,070**	455	109	81.4	87.5	ND	ND	ND

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = iden ification
J = estimated concentration between the detec ion and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:				B304-40	B305-5	B305-10	B305-20	B305-30	B305-40	B306-05	B306-10	B306-20	B306-40	B307-5	B307-10	B307-20	B307-30	B307-40	B308-05	B308-10
Approx. Depth[1] (feet bgs):				40	5	10	20	30	40	5	10	20	40	5	10	20	30	40	5	10
Date Collected:	CSL	CSL		01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	01/31/08	01/31/08	01/31/08	02/01/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/30/08	01/30/08
Location ID:	(≤10 feet bgs)	(>10 feet bgs)	Unit	B304	B305	B305	B305	B305	B305	B306	B306	B306	B306	B307	B307	B307	B307	B307	B308	B308
C_6 to C_{10}	83	83	mg/kg	ND	2.75	ND	ND	ND	ND	**396**	66.0	ND	ND	0.170	0.150	ND	78.9	**208**	42.5	ND
C_{10} to C_{22}	83	83	mg/kg	ND	48.5	ND	5.53	ND	ND	**3,800**	**2,390**	2.41	ND	10.9	9.10	1.66	**150**	**338**	**384**	ND
C_{22} to C_{36}	370	5,000	mg/kg	ND	145	ND	0.435	ND	ND	1.20	100	1.54	ND	5.72	3.92	ND	ND	ND	**722**	ND

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between he detection and repor ing limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B308-20 20 01/30/08 B308	B308-30 30 01/30/08 B308	B308-40 40 01/30/08 B308	B309-5 5 01/19/09 B309	B309-10 10 01/19/09 B309	B309-20 20 01/19/09 B309	B309-30 30 01/19/09 B309	B309-40 40 01/19/09 B309	B310-05 5 02/04/08 B310	B310-10 10 02/04/08 B310	B310-20 20 02/04/08 B310	B310-30 30 02/04/08 B310	B310-40 40 02/04/08 B310	B311-05 5 02/05/08 B311	B311-10 10 02/05/08 B311	B311-20 20 02/05/08 B311	B311-30 30 02/05/08 B311	B311-40 40 02/05/08 B311
C_6 to C_{10}	83	83	mg/kg	ND	50.1	**5,460**	ND	ND	ND	ND	ND	5.19	ND	ND	ND	ND	**140**	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	ND	71.3	**6,420**	9.13	ND	ND	ND	ND	**114**	2.17	ND	ND	ND	**3,000**	ND	ND	ND	ND
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	24.0	34.2	ND	ND	ND	ND	151	1.70	ND	ND	ND	**2,270**	ND	ND	ND	ND

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between he detection and repor ing limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B312-05 5 01/30/08 B312	B312-10 10 01/30/08 B312	B312-20 20 01/30/08 B312	B312-30 30 01/30/08 B312	B312-40 40 01/30/08 B312	B313-05 5 02/01/08 B313	B313-10 10 02/01/08 B313	B313-20 20 02/01/08 B313	B313-30 30 02/01/08 B313	B313-40 40 02/01/08 B313	B314-05 5 01/30/08 B314	B314-10 10 01/30/08 B314	B314-20 20 01/30/08 B314	B314-30 30 01/30/08 B314	B314-40 40 01/30/08 B314	B315-05 5 01/30/08 B315	B315-10 10 01/30/08 B315	B315-20 20 01/30/08 B315
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0630	29.4	**394**	ND
C_{10} to C_{22}	83	83	mg/kg	ND	ND	ND	ND	ND	4.20	ND	ND	ND	ND	ND	ND	ND	ND	17.8	**992**	**3,820**	ND
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	ND	ND	ND	1.72	ND	ND	ND	ND	ND	ND	ND	ND	4.00	**950**	**2,420**	ND

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between the detection and repor ing limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B315-30 30 01/30/08 B315	B315-40 40 01/30/08 B315	B316-05 5 01/30/08 B316	B316-10 10 01/30/08 B316	B316-20 20 01/30/08 B316	B316-30 30 01/30/08 B316	B316-40 40 01/30/08 B316	B317-05 5 01/29/08 B317	B317-10 10 01/29/08 B317	B317-20 20 01/29/08 B317	B317-30 30 01/29/08 B317	B317-40 40 01/29/08 B317	B318-05 5 01/28/08 B318	B318-10 10 01/28/08 B318	B318-20 20 01/28/08 B318	B318-30 30 01/28/08 B318	B318-40 40 01/28/08 B318	B319-5 5 01/21/09 B319
C_6 to C_{10}	83	83	mg/kg	ND	ND	4.90	**308**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	ND	ND	**764**	**6,770**	ND	ND	ND	1.76	1.10	ND	ND	2.18	**124**	ND	ND	ND	ND	ND
C_{22} to C_{36}	370	5,000	mg/kg	ND	ND	**866**	**4,610**	ND	ND	0.170	0.850	1.53	ND	ND	1.37	102	ND	ND	ND	ND	ND

NOTES:
[1]Refer to he boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between the detection and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (repor ing limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:	CSL	CSL		B319-10	B319-20	B319-30	B319-40	B320-05	B320-10	B320-20	B320-30	B320-40	B321-05	B321-10	B321-20	B321-30	B321-40	B322-05	B322-10	B322-20
Approx. Depth[1] (feet bgs):				10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20
Date Collected:				01/21/09	01/21/09	01/21/09	01/21/09	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	02/01/08	02/01/08	02/01/08
Location ID:	(≤10 feet bgs)	(>10 feet bgs)	Unit	B319	B319	B319	B319	B320	B320	B320	B320	B320	B321	B321	B321	B321	B321	B322	B322	B322
C_6 to C_{10}	83	83	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.120	0.0980	1.40
C_{10} to C_{22}	83	83	mg/kg	5.15	ND	ND	ND	ND	**174**	60.0	ND	ND	ND	ND	ND	ND	ND	**270**	15.1	**370**
C_{22} to C_{36}	370	5,000	mg/kg	37.8	ND	ND	ND	ND	**601**	211	ND	ND	ND	ND	ND	ND	ND	**713**	0.452	33.8

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between the detection and repor ing limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 34
TPH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID: Approx. Depth[1] (feet bgs): Date Collected: Location ID:	CSL (≤10 feet bgs)	CSL (>10 feet bgs)	Unit	B322-30 30 02/01/08 B322	B322-40 40 02/01/08 B322	B323-05 5 01/28/08 B323	B323-10 10 01/28/08 B323	B323-20 20 01/28/08 B323	B323-30 30 01/28/08 B323	B323-40 40 01/28/08 B323	B324-00 0 04/08/08 B324	B324-02 2 04/08/08 B324	B325-00 0 04/08/08 B325	B325-02 2 04/08/08 B325	B326-00 0 04/08/08 B326	B326-02 2 04/08/08 B326
C_6 to C_{10}	83	83	mg/kg	0.690	30.0	3.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C_{10} to C_{22}	83	83	mg/kg	**401**	**397**	72.8	ND	ND	ND	ND	**199**	ND	**163**	ND	15.3	ND
C_{22} to C_{36}	370	5,000	mg/kg	ND	1.31	57.9	ND	ND	ND	ND	123	ND	161	ND	59.2	ND

NOTES:
[1]Refer to the boring logs for exact sample dep hs
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identifica ion
J = estimated concentration between the detection and reporting limits
mg/kg = milligrams per kilogram
ND = analyte not detected (reporting limit not available)
TPH = total petroleum hydrocarbons

TABLE 35
VOC DETECTION FREQUENCY IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Approximate Depth[2] (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
1,1,2-Trichloroethane	10	8.9	8.9	1	76	1.3
	40	1	1	1	76	1.3
	80	340	340	1	20	5.0
1,2-Dichloroethane	10	4	4	1	76	1.3
1,2-Dichloroethane	20	38	38	1	75	1.3
	30	13	97	3	76	3.9
	40	1.3	130	6	76	7.9
	50	1.6	94	2	20	10.0
	60	11	11	1	20	5.0
	70	16	16	1	19	5.3
	90	11	190	2	20	10.0
1,2-Dichloropropane	5	19	19	1	75	1.3
	40	43	43	1	76	1.3
	50	4	4	1	20	5.0
	80	2.1	2.1	1	20	5.0
1,2,4-Trimethylbenzene	5	1.9	200,000	16	75	21.3
	10	2.7	43,000	18	76	23.7
	20	2.1	130,000	25	75	33.3
	30	2.8	50,000	18	76	23.7
	40	2.1	380,000	23	76	30.3
	50	3.2	290,000	9	20	45.0
	60	4.6	240,000	10	20	50.0
	70	6.4	150,000	7	19	36.8
	80	4.4	120,000	10	20	50.0
	90	8.9	3,000	7	20	35.0
1,3,5-Trimethylbenzene	5	3	89,000	9	75	12.0
	10	3	14,000	16	76	21.1
	20	2.4	51,000	18	75	24.0
	30	4.5	19,000	13	76	17.1
	40	2	150,000	14	76	18.4
	50	5	100,000	8	20	40.0
	60	4.6	110,000	8	20	40.0
	70	2	61,000	5	19	26.3
	80	2.6	46,000	7	20	35.0
	90	2.6	1,100	5	20	25.0
2-Butanone	5	15	35	5	75	6.7
	10	19	91	7	76	9.2
	20	39	56	2	75	2.7
	30	31	150	3	76	3.9
	40	30	30	1	76	1.3
	50	80	80	1	20	5.0
	60	42	79	2	20	10.0
	80	21	21	1	20	5.0
c-1,2-Dichloroethene	10	3.5	3.5	1	76	1.3
	40	1.7	1.7	1	76	1.3
	60	1.4	1.8	2	20	10.0
1,4-Dichlorobenzene	60	3.9	3.9	1	20	5.0
Acetone	5	52	270	26	75	34.7
	10	58	280	16	76	21.1
	20	50	190	8	75	10.7
	30	54	120	6	76	7.9
	50	200	200	1	20	5.0
	60	80	140	3	20	15.0
	80	45	82	2	20	10.0
	90	52	52	1	20	5.0

TABLE 35
VOC DETECTION FREQUENCY IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Approximate Depth[2] (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
Benzene	5	1.1	6,600	21	75	28.0
	10	1	9,300	30	76	39.5
	20	0.88	10,000	33	75	44.0
	30	1.7	32,000	28	76	36.8
	40	1	21,000	33	76	43.4
	50	1.9	50,000	9	20	45.0
	60	1.5	31,000	12	20	60.0
	70	1.6	28,000	12	19	63.2
	80	5.5	8,500	7	20	35.0
	90	3.2	3,600	10	20	50.0
Bromobenzene	30	1.3	1.3	1	76	1.3
Bromoform	30	6.7	9.4	2	76	2.6
Carbon Disulfide	5	14	14	1	75	1.3
	10	12	12	1	76	1.3
	60	10	10	1	20	5.0
Chloroform	10	3.6	1,500	2	76	2.6
	20	5.7	5.7	1	75	1.3
	40	0.99	1	2	76	2.6
	50	1.8	4.5	2	20	10.0
	60	570	2,300	2	20	10.0
	70	150	150	1	19	5.3
Ethanol	5	640	640	1	75	1.3
Ethy benzene	5	1.3	75,000	18	75	24.0
	10	0.94	12,000	24	76	31.6
	20	1.3	35,000	24	75	32.0
	30	1.1	30,000	22	76	28.9
	40	1.9	130,000	21	76	27.6
	50	1.2	110,000	9	20	45.0
	60	4.3	140,000	9	20	45.0
	70	2.2	81,000	7	19	36.8
	80	1.6	58,000	8	20	40.0
	90	2.8	990	9	20	45.0
Isopropy benzene	5	1.1	3,200	16	75	21.3
	10	1.6	3,600	21	76	27.6
	20	0.94	13,000	17	75	22.7
	30	1.3	4,500	13	76	17.1
	40	1.2	24,000	9	76	11.8
	50	1.1	13,000	8	20	40.0
	60	1.5	13,000	4	20	20.0
	70	2.2	8,400	5	19	26.3
	80	0.91	370	5	20	25.0
	90	1.1	640	8	20	40.0
Methyl tert-Butyl Ether (MTBE)	5	3.4	3.4	1	75	1.3
	10	3.6	31	7	76	9.2
	20	3.4	39	6	75	8.0
	30	4.8	140	7	76	9.2
	40	4.1	790	7	76	9.2
	50	4.3	6.3	2	20	10.0
	60	3.1	36	3	20	15.0
	70	2.5	74	2	19	10.5
	80	4.6	16	2	20	10.0
	90	20	240	2	20	10.0

TABLE 35
VOC DETECTION FREQUENCY IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Approximate Depth[2] (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
Naphthalene	5	26	100,000	10	75	13.3
	10	9.4	40,000	18	76	23.7
	20	11	26,000	17	75	22.7
	30	15	45,000	9	76	11.8
	40	32	19,000	8	76	10.5
	50	15	29,000	4	20	20.0
	60	27	27,000	7	20	35.0
	70	27	16,000	3	19	15.8
	80	11	5,100	5	20	25.0
	90	14	1,200	3	20	15.0
n-Butylbenzene	5	1.4	34,000	15	75	20.0
	10	1.9	5,700	22	76	28.9
	20	1.4	16,000	22	75	29.3
	30	1.2	7,900	11	76	14.5
	40	1.4	80,000	12	76	15.8
	50	1.5	24,000	7	20	35.0
	60	2.1	24,000	8	20	40.0
	70	2.7	13,000	6	19	31.6
	80	2.3	9,500	11	20	55.0
	90	3	720	11	20	55.0
n-Propylbenzene	5	1.4	38,000	18	75	24.0
	10	1.9	5,300	24	76	31.6
	20	1.4	22,000	22	75	29.3
	30	2.1	7,500	14	76	18.4
	40	1.1	67,000	14	76	18.4
	50	1.9	50,000	8	20	40.0
	60	1.2	52,000	8	20	40.0
	70	1.6	31,000	7	19	36.8
	80	3.6	19,000	9	20	45.0
	90	1.6	1,100	12	20	60.0
o-Xylene	5	1	110,000	10	75	13.3
	10	1.2	13,000	18	76	23.7
	20	1.6	47,000	13	75	17.3
	30	1.1	21,000	14	76	18.4
	40	1.3	69,000	12	76	15.8
	50	1.1	180,000	9	20	45.0
	60	1.6	170,000	7	20	35.0
	70	11	120,000	5	19	26.3
	80	2.1	91,000	5	20	25.0
	90	0.85	1,900	4	20	20.0
m and p-Xylenes	5	2.4	310,000	14	75	18.7
	10	2.3	36,000	21	76	27.6
	20	2.6	190,000	20	75	26.7
	30	2	78,000	18	76	23.7
	40	3.8	470,000	17	76	22.4
	50	4.7	540,000	9	20	45.0
	60	3.4	530,000	10	20	50.0
	70	2.5	380,000	7	19	36.8
	80	3.1	280,000	8	20	40.0
	90	2.4	5,100	8	20	40.0

TABLE 35
VOC DETECTION FREQUENCY IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Approximate Depth[2] (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
p-Isopropyltoluene	5	2.7	3,700	11	75	14.7
	10	1.5	1,600	15	76	19.7
	20	0.92	12,000	15	75	20.0
	30	0.97	5,100	9	76	11.8
	40	1.9	12,000	9	76	11.8
	50	1.2	2,000	8	20	40.0
	60	1.5	2,000	5	20	25.0
	70	440	1,300	3	19	15.8
	80	140	240	3	20	15.0
	90	4.6	59	2	20	10.0
sec-Butylbenzene	5	1.3	2,700	18	75	24.0
	10	1	2,600	23	76	30.3
	20	1.1	8,100	19	75	25.3
	30	1.3	3,100	9	76	11.8
	40	1.3	14,000	6	76	7.9
	50	1.3	5,800	6	20	30.0
	60	1.4	5,900	6	20	30.0
	70	1.7	3,400	6	19	31.6
	80	1.9	240	4	20	20.0
	90	1.9	490	8	20	40.0
t-1,2-Dichloroethene	10	1.7	1.7	1	76	1.3
tert-Butyl Alcohol (TBA)	5	20	130	6	75	8.0
	10	20	420	12	76	15.8
	20	25	250	12	75	16.0
	30	21	960	12	76	15.8
	40	21	1,500	17	76	22.4
	50	24	47	3	20	15.0
	60	31	63	6	20	30.0
	70	30	70	3	19	15.8
	80	36	47	3	20	15.0
	90	19	19	1	20	5.0
tert-Buty benzene	5	2.4	110	3	75	4.0
	10	0.84	210	3	76	3.9
	20	2	2	1	75	1.3
Tetrachloroethene	10	2.9	2.9	1	76	1.3
Toluene	5	1.1	97,000	12	75	16.0
	10	0.96	12,000	19	76	25.0
	20	1.2	7,100	22	75	29.3
	30	1.1	60,000	13	76	17.1
	40	0.88	25,000	18	76	23.7
	50	1.5	270,000	9	20	45.0
	60	1.9	280,000	8	20	40.0
	70	2.2	240,000	8	19	42.1
	80	0.95	140,000	6	20	30.0
	90	2.3	3,500	4	20	20.0
Vinyl Acetate	5	9.8	9.8	1	75	1.3
	20	92	92	1	75	1.3
	30	33	33	1	76	1.3

TABLE 35
VOC DETECTION FREQUENCY IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Approximate Depth[2] (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
Xylenes, total	5	2.4	420000	15	75	20.0
	10	2.3	49,000	21	76	27.6
	20	2.6	237,000	20	75	26.7
	30	2	98,000	18	76	23.7
	40	5.5	539,000	17	76	22.4
	50	6.3	720,000	9	20	45.0
	60	3.4	700,000	10	20	50.0
	70	2.5	500,000	7	19	36.8
	80	3.1	371,000	8	20	40.0
	90	3.25	7,000	8	20	40.0

NOTES

[1]VOCs analyzed for but not listed in this table were not detected.

[2]Refer to the boring logs for exact sample depths

bgs = below ground surface

µg/kg = micrograms per kilogram

VOC = volatile organic compound

-- = not applicable

TABLE 36
VOC CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:	CSLs by depth						B244-05	B244-10	B244-20	B244-30	B244-40	B244-50	B244-60	B244-70	B244-80	B244-90
Approx. Depth[1] (feet bgs):							5	10	20	30	40	50	60	70	80	90
Date Collected:							01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B244	B244	B244	B244	B244	B244	B244	B244	B244	B244
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(1.7)	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(2.4)	ND(2.1)	ND(2)	ND(2)	ND(1.9)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(8.3)	ND(9.7)	ND(9)	ND(8.9)	ND(9.1)	ND(12)	ND(10)	ND(10)	ND(10)	ND(9.3)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(1.7)	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(2.4)	ND(2.1)	ND(2)	ND(2)	ND(1.9)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(1.7)	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(2.4)	ND(2.1)	ND(2)	ND(2)	ND(1.9)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(1.7)	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(2.4)	ND(2.1)	ND(2)	ND(2)	ND(1.9)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(1.7)	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(2.4)	ND(2.1)	ND(2)	ND(2)	ND(1.9)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	ND(1.7)	ND(1.9)	8.8	ND(1.8)	7.3	25	34	**89**	8	12
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(4.1)	ND(4.8)	ND(4.5)	ND(4.4)	ND(4.6)	ND(5.9)	ND(5.2)	ND(5.1)	ND(5)	ND(4.6)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	ND(0.83)	4	ND(0.9)	**20**	1.3	**1.6**	**11**	**16**	ND(1)	ND(0.93)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	ND(1.7)	ND(1.9)	2.7	ND(1.8)	2.4	7.9	10	**32**	2.8	5.3
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(4.1)	ND(4.8)	ND(4.5)	ND(4.4)	ND(4.6)	ND(5.9)	ND(5.2)	ND(5.1)	ND(5)	ND(4.6)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	ND(17)	ND(19)	ND(18)	ND(18)	ND(18)	ND(24)	ND(21)	ND(20)	ND(20)	ND(19)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(17)	ND(19)	ND(18)	ND(18)	ND(18)	ND(24)	ND(21)	ND(20)	ND(20)	ND(19)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(17)	ND(19)	ND(18)	ND(18)	ND(18)	ND(24)	ND(21)	ND(20)	ND(20)	ND(19)
Acetone	500	500	500	500	500	µg/kg	ND(41)	ND(48)	ND(45)	ND(44)	ND(46)	ND(59)	ND(52)	ND(51)	ND(50)	ND(46)
Benzene	22	13	5	3	1	µg/kg	ND(0.83)	ND(0.97)	1.4	ND(0.89)	1.6	1.9	**15**	**53**	**5.5**	**22**
Bromobenzene	440	260	100	60	20	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(1.7)	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(2.4)	ND(2.1)	ND(2)	ND(2)	ND(1.9)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(4.1)	ND(4.8)	ND(4.5)	ND(4.4)	ND(4.6)	ND(5.9)	ND(5.2)	ND(5.1)	ND(5)	ND(4.6)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(17)	ND(19)	ND(18)	ND(18)	ND(18)	ND(24)	ND(21)	ND(20)	ND(20)	ND(19)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(8.3)	ND(9.7)	ND(9)	ND(8.9)	ND(9.1)	ND(12)	ND(10)	ND(10)	ND(10)	ND(9.3)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
Chloroethane	850	850	850	850	850	µg/kg	ND(1.7)	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(2.4)	ND(2.1)	ND(2)	ND(2)	ND(1.9)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(17)	ND(19)	ND(18)	ND(18)	ND(18)	ND(24)	ND(21)	ND(20)	ND(20)	ND(19)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(1.7)	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(2.4)	ND(2.1)	ND(2)	ND(2)	ND(1.9)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(1.7)	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(2.4)	ND(2.1)	ND(2)	ND(2)	ND(1.9)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(410)	ND(480)	ND(450)	ND(440)	ND(460)	ND(590)	ND(520)	ND(510)	ND(500)	ND(460)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	ND(0.83)	ND(0.97)	3	ND(0.89)	2.2	3.2	12	26	1.6	2.8
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	2.2	ND(1)	4.1
Methylene Chloride	77	65	25	15	5	µg/kg	ND(8.3)	ND(9.7)	ND(9)	ND(8.9)	ND(9.1)	ND(12)	ND(10)	ND(10)	ND(10)	ND(9.3)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	3.4	**31**	7.7	16	4.1	6.3	**36**	**74**	**16**	**20**
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	ND(8.3)	ND(9.7)	ND(9)	ND(8.9)	ND(9.1)	**15**	**27**	**27**	**11**	**17**
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	2.8	2.1	8.3	2.3	7.7
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	1.9	2.7	12	3.6	23
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	2.8	5.4	22	50	2.1	2.7
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	ND(1.7)	ND(1.9)	14	ND(1.8)	9.5	17	58	130	6.5	11
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	1.9	ND(1)	3.3
Styrene	1,500	1,300	500	300	100	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(1.7)	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(2.4)	ND(2.1)	ND(2)	ND(2)	ND(1.9)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(17)	20	ND(18)	50	30	24	31	56	36	19
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
Toluene	2,900	1,950	750	450	150	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	3.1	5	29	54	2.4	2.3
Trichloroethene	110	65	25	15	5	µg/kg	ND(1.7)	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(2.4)	ND(2.1)	ND(2)	ND(2)	ND(1.9)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(8.3)	ND(9.7)	ND(9)	ND(8.9)	ND(9.1)	ND(12)	ND(10)	ND(10)	ND(10)	ND(9.3)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(8.3)	ND(9.7)	ND(9)	ND(8.9)	ND(9.1)	ND(12)	ND(10)	ND(10)	ND(10)	ND(9.3)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(0.83)	ND(0.97)	ND(0.9)	ND(0.89)	ND(0.91)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(0.93)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	ND(1.7)	ND(1.9)	14	ND(1.8)	12.3	22.4	80	180	8.6	13.7

Sample ID:	B245-05	B245-10	B245-20	B245-30	B245-40	B245-50	B245-60	B245-70	B245-80	B245-90	B246-5	B246-10	B246-20	B246-30	B246-40	B246-50	B246-60	B246-70	B246-80	B246-90
Approx. Depth[1] (feet bgs):	5	10	20	30	40	50	60	70	80	90	5	10	20	30	40	50	60	70	80	90
Date Collected:	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08
Location ID:	B245	B245	B245	B245	B245	B245	B245	B245	B245	B245	B246	B246	B246	B246	B246	B246	B246	B246	B246	B246
1,1,1,2-Tetrachloroethane	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
1,1,1-Trichloroethane	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
1,1,2,2-Tetrachloroethane	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	ND(1.9)	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND(10)	ND(9)	ND(12)	ND(11)	ND(9.5)	ND(9.3)	ND(11)	ND(12)	ND(11)	ND(11)	ND(9.4)	ND(9.9)	ND(10)	ND(11)	ND(11)	ND(990)	ND(950)	ND(10)	ND(8.7)	ND(480)
1,1,2-Trichloroethane	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	8.9	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
1,1-Dichloroethane	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
1,1-Dichloroethene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
1,1-Dichloropropene	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	ND(1.9)	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)
1,2,3-Trichlorobenzene	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	ND(1.9)	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)
1,2,3-Trichloropropane	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	ND(1.9)	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)
1,2,4-Trichlorobenzene	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	ND(1.9)	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)
1,2,4-Trimethylbenzene	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	3.2	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	1.9	2.9	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)
1,2-Dibromo-3-Chloropropane	ND(5)	ND(4.5)	ND(5.9)	ND(5.6)	ND(4.8)	ND(4.6)	ND(5.4)	ND(5.9)	ND(5.6)	ND(5.7)	ND(4.7)	ND(4.9)	ND(5)	ND(5.4)	ND(5.5)	ND(490)	ND(470)	ND(5.2)	ND(4.3)	ND(240)
1,2-Dibromoethane	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
1,2-Dichlorobenzene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
1,2-Dichloroethane	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
1,2-Dichloropropane	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
1,3,5-Trimethylbenzene	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	ND(1.9)	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)
1,3-Dichlorobenzene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
1,3-Dichloropropane	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
1,4-Dichlorobenzene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
2,2-Dichloropropane	ND(5)	ND(4.5)	ND(5.9)	ND(5.6)	ND(4.8)	ND(4.6)	ND(5.4)	ND(5.9)	ND(5.6)	ND(5.7)	ND(4.7)	ND(4.9)	ND(5)	ND(5.4)	ND(5.5)	ND(490)	ND(470)	ND(5.2)	ND(4.3)	ND(240)
2-Butanone	ND(20)	ND(18)	ND(24)	ND(23)	ND(19)	ND(19)	ND(22)	ND(23)	ND(22)	ND(23)	ND(19)	ND(20)	ND(20)	ND(22)	ND(22)	ND(2,000)	ND(1,900)	ND(21)	ND(17)	ND(970)
2-Chlorotoluene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
2-Hexanone	ND(20)	ND(18)	ND(24)	ND(23)	ND(19)	ND(19)	ND(22)	ND(23)	ND(22)	ND(23)	ND(19)	ND(20)	ND(20)	ND(22)	ND(22)	ND(2,000)	ND(1,900)	ND(21)	ND(17)	ND(970)
4-Chlorotoluene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
4-Methyl-2-Pentanone	ND(20)	ND(18)	ND(24)	ND(23)	ND(19)	ND(19)	ND(22)	ND(23)	ND(22)	ND(23)	ND(19)	ND(20)	ND(20)	ND(22)	ND(22)	ND(2,000)	ND(1,900)	ND(21)	ND(17)	ND(970)
Acetone	ND(50)	ND(45)	ND(59)	ND(56)	ND(48)	ND(46)	ND(54)	ND(59)	ND(56)	ND(57)	67	ND(49)	ND(50)	ND(54)	ND(55)	ND(4,900)	ND(4,700)	ND(52)	45	ND(2,400)
Benzene	ND(1)	1.2	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	**2.2**	ND(0.87)	ND(48)
Bromobenzene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
Bromochloromethane	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	ND(1.9)	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)
Bromodichloromethane	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
Bromoform	ND(5)	ND(4.5)	ND(5.9)	ND(5.6)	ND(4.8)	ND(4.6)	ND(5.4)	ND(5.9)	ND(5.6)	ND(5.7)	ND(4.7)	ND(4.9)	ND(5)	ND(5.4)	ND(5.5)	ND(490)	ND(470)	ND(5.2)	ND(4.3)	ND(240)
Bromomethane	ND(20)	ND(18)	ND(24)	ND(23)	ND(19)	ND(19)	ND(22)	ND(23)	ND(22)	ND(23)	ND(19)	ND(20)	ND(20)	ND(22)	ND(22)	ND(2,000)	ND(1,900)	ND(21)	ND(17)	ND(970)
c-1,2-Dichloroethene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
c-1,3-Dichloropropene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
Carbon Disulfide	ND(10)	ND(9)	ND(12)	ND(11)	ND(9.5)	ND(9.3)	ND(11)	ND(12)	ND(11)	ND(11)	ND(9.4)	ND(9.9)	ND(10)	ND(11)	ND(11)	ND(990)	ND(950)	ND(10)	ND(8.7)	ND(480)
Carbon Tetrachloride	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
Chlorobenzene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
Chloroethane	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	ND(1.9)	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)
Chloroform	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
Chloromethane	ND(20)	ND(18)	ND(24)	ND(23)	ND(19)	ND(19)	ND(22)	ND(23)	ND(22)	ND(23)	ND(19)	ND(20)	ND(20)	ND(22)	ND(22)	ND(2,000)	ND(1,900)	ND(21)	ND(17)	ND(970)
Dibromochloromethane	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	ND(1.9)	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)
Dibromomethane	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
Dichlorodifluoromethane	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	ND(1.9)	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)
Diisopropyl Ether (DIPE)	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
Ethanol	ND(500)	ND(450)	ND(590)	ND(560)	ND(480)	ND(460)	ND(540)	ND(590)	ND(560)	ND(570)	ND(470)	ND(490)	ND(500)	ND(540)	ND(550)	ND(49,000)	ND(47,000)	ND(520)	ND(430)	ND(24,000)
Ethylbenzene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	1.2	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
Ethyl tert-Butyl Ether (ETBE)	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
Isopropylbenzene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	1.1	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	1.4	4.9	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	0.91	ND(48)
Methylene Chloride	ND(10)	ND(9)	ND(12)	ND(11)	ND(9.5)	ND(9.3)	ND(11)	ND(12)	ND(11)	ND(11)	ND(9.4)	ND(9.9)	ND(10)	ND(11)	ND(11)	ND(990)	ND(950)	ND(10)	ND(8.7)	ND(540 B)
Methyl tert-Butyl Ether (MTBE)	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	ND(1.9)	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)
Naphthalene	ND(10)	ND(9)	ND(12)	ND(11)	ND(9.5)	ND(9.3)	ND(11)	ND(12)	ND(11)	ND(11)	ND(9.4)	ND(9.9)	ND(10)	ND(11)	ND(11)	ND(990)	**1,300**	ND(10)	ND(8.7)	ND(480)
n-Butylbenzene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	8.4	ND(1)	ND(1.1)	ND(1.1)	ND(99)	300	ND(1)	2.6	160
n-Propylbenzene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	1.6	ND(0.94)	8.3	ND(1)	ND(1.1)	ND(1.1)	ND(99)	110	ND(1)	4.1	110
o-Xylene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	1.6	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
p/m-Xylenes	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	4.7	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	2.4	ND(2)	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)
p-Isopropyltoluene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
sec-Butylbenzene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	4.2	22	ND(1)	ND(1.1)	ND(1.1)	ND(99)	160	ND(1)	1.9	67
Styrene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
t-1,2-Dichloroethene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
t-1,3-Dichloropropene	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	ND(1.9)	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)
Tert-Amyl-Methyl Ether (TAME)	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
Tert-Butyl Alcohol (TBA)	ND(20)	ND(18)	ND(24)	ND(23)	21	ND(19)	ND(22)	ND(23)	ND(22)	ND(23)	ND(19)	ND(20)	ND(20)	ND(22)	ND(22)	ND(2,000)	ND(1,900)	ND(21)	ND(17)	ND(970)
tert-Butylbenzene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	2.2	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
Tetrachloroethene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
Toluene	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	1.5	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
Trichloroethene	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	ND(1.9)	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)
Trichlorofluoromethane	ND(10)	ND(9)	ND(12)	ND(11)	ND(9.5)	ND(9.3)	ND(11)	ND(12)	ND(11)	ND(11)	ND(9.4)	ND(9.9)	ND(10)	ND(11)	ND(11)	ND(990)	ND(950)	ND(10)	ND(8.7)	ND(480)
Vinyl Acetate	ND(10)	ND(9)	ND(12)	ND(11)	ND(9.5)	ND(9.3)	ND(11)	ND(12)	ND(11)	ND(11)	ND(9.4)	ND(9.9)	ND(10)	ND(11)	ND(11)	ND(990)	ND(950)	ND(10)	ND(8.7)	ND(480)
Vinyl Chloride	ND(1)	ND(0.9)	ND(1.2)	ND(1.1)	ND(0.95)	ND(0.93)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.1)	ND(0.94)	ND(0.99)	ND(1)	ND(1.1)	ND(1.1)	ND(99)	ND(95)	ND(1)	ND(0.87)	ND(48)
Xylenes, total	ND(2)	ND(1.8)	ND(2.4)	ND(2.3)	ND(1.9)	6.3	ND(2.2)	ND(2.3)	ND(2.2)	ND(2.3)	2.4	ND(2)	ND(2)	ND(2.2)	ND(2.2)	ND(200)	ND(190)	ND(2.1)	ND(1.7)	ND(97)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting limits

µg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 36
VOC CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:	CSLs by depth						B247-05	B247-10	B247-20	B247-30	B247-40	B247-50	B247-60	B247-70	B247-80	B247-90	B248-05	B248-10	B248-20	B248-30	B248-40	B248-50	B248-60	B248-70	B248-80	B248-90	B249-05	B249-10	B249-20	B249-30	B249-40	B249-50	B249-60	B249-70	B249-80	B249-90	B250-05	B250-10	B250-20	B250-30	B250-40
Approx. Depth[1] (feet bgs):							5	10	20	30	40	50	60	70	80	90	5	10	20	30	40	50	60	70	80	90	5	10	20	30	40	50	60	70	80	90	5	10	20	30	40
Date Collected:							01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B247	B247	B247	B247	B247	B247	B247	B247	B247	B247	B248	B248	B248	B248	B248	B248	B248	B248	B248	B248	B249	B249	B249	B249	B249	B249	B249	B249	B249	B249	B250	B250	B250	B250	B250
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(2)	ND(2.6)	ND(1.9)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.8)	ND(2)	ND(440)	ND(1.6)	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2,600)	ND(450)	ND(2.3)	ND(2)	ND(110)	ND(2.3)	ND(2)	ND(2)	ND(2.1)	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(10)	ND(13)	ND(9.5)	ND(11)	ND(10)	ND(8.8)	ND(8.8)	ND(9.9)	ND(2,200)	ND(7.9)	ND(9.1)	ND(9.3)	ND(11)	ND(9.6)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(12)	ND(13,000)	ND(2,300)	ND(11)	ND(10)	ND(540)	ND(11)	ND(10)	ND(9.9)	ND(10)	ND(580)	ND(10)	ND(9.8)	ND(10)	ND(9.5)	ND(11)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	**340**	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(2.6)	ND(1.9)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.8)	ND(2)	ND(440)	ND(1.6)	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2,600)	ND(450)	ND(2.3)	ND(2)	ND(110)	ND(2.3)	ND(2)	ND(2)	ND(2.1)	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(2.6)	ND(1.9)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.8)	ND(2)	ND(440)	ND(1.6)	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2,600)	ND(450)	ND(2.3)	ND(2)	ND(110)	ND(2.3)	ND(2)	ND(2)	ND(2.1)	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(2)	ND(2.6)	ND(1.9)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.8)	ND(2)	ND(440)	ND(1.6)	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2,600)	ND(450)	ND(2.3)	ND(2)	ND(110)	ND(2.3)	ND(2)	ND(2)	ND(2.1)	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(2)	ND(2.6)	ND(1.9)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.8)	ND(2)	ND(440)	ND(1.6)	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2,600)	ND(450)	ND(2.3)	ND(2)	ND(110)	ND(2.3)	ND(2)	ND(2)	ND(2.1)	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	5	ND(2.6)	14	ND(2.1)	6.6	ND(1.8)	ND(1.8)	ND(2)	**1,300**	8.9	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	**200,000 D**	**43,000**	18	3	ND(110)	**240 D**	**69**	6.4	11	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(5.1)	ND(6.5)	ND(4.7)	ND(5.3)	ND(5.2)	ND(4.4)	ND(4.4)	ND(5)	ND(1,100)	ND(3.9)	ND(4.5)	ND(4.6)	ND(5.4)	ND(4.8)	ND(5.6)	ND(5.3)	ND(5.7)	ND(5.5)	ND(5.7)	ND(5.9)	ND(6,500)	ND(1,100)	ND(5.7)	ND(5)	ND(270)	ND(5.7)	ND(5.1)	ND(4.9)	ND(5.2)	ND(290)	ND(5.1)	ND(4.9)	ND(5.1)	ND(4.7)	ND(5.3)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	3	ND(2.6)	6.3	ND(2.1)	2.3	ND(1.8)	ND(1.8)	ND(2)	ND(440)	2.6	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	**89,000**	**14,000**	5.3	ND(2)	ND(110)	**150**	22	2	2.8	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(5.1)	ND(6.5)	ND(4.7)	ND(5.3)	ND(5.2)	ND(4.4)	ND(4.4)	ND(5)	ND(1,100)	ND(3.9)	ND(4.5)	ND(4.6)	ND(5.4)	ND(4.8)	ND(5.6)	ND(5.3)	ND(5.7)	ND(5.5)	ND(5.7)	ND(5.9)	ND(6,500)	ND(1,100)	ND(5.7)	ND(5)	ND(270)	ND(5.7)	ND(5.1)	ND(4.9)	ND(5.2)	ND(290)	ND(5.1)	ND(4.9)	ND(5.1)	ND(4.7)	ND(5.3)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	ND(20)	89	ND(19)	ND(21)	ND(21)	ND(18)	ND(18)	ND(20)	ND(4,400)	ND(16)	ND(18)	ND(19)	ND(22)	ND(19)	ND(22)	ND(21)	ND(23)	ND(22)	ND(23)	ND(24)	ND(26,000)	ND(4,500)	ND(23)	ND(20)	ND(1,100)	ND(23)	ND(20)	ND(20)	ND(21)	ND(1,200)	ND(20)	ND(20)	ND(21)	ND(19)	ND(21)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(20)	ND(26)	ND(19)	ND(21)	ND(21)	ND(18)	ND(18)	ND(20)	ND(4,400)	ND(16)	ND(18)	ND(19)	ND(22)	ND(19)	ND(22)	ND(21)	ND(23)	ND(22)	ND(23)	ND(24)	ND(26,000)	ND(4,500)	ND(23)	ND(20)	ND(1,100)	ND(23)	ND(20)	ND(20)	ND(21)	ND(1,200)	ND(20)	ND(20)	ND(21)	ND(19)	ND(21)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(20)	ND(26)	ND(19)	ND(21)	ND(21)	ND(18)	ND(18)	ND(20)	ND(4,400)	ND(16)	ND(18)	ND(19)	ND(22)	ND(19)	ND(22)	ND(21)	ND(23)	ND(22)	ND(23)	ND(24)	ND(26,000)	ND(4,500)	ND(23)	ND(20)	ND(1,100)	ND(23)	ND(20)	ND(20)	ND(21)	ND(1,200)	ND(20)	ND(20)	ND(21)	ND(19)	ND(21)
Acetone	500	500	500	500	500	µg/kg	ND(51)	240	ND(47)	ND(53)	ND(52)	ND(44)	83	ND(50)	ND(11,000)	52	ND(45)	ND(46)	ND(54)	ND(48)	ND(56)	ND(53)	ND(57)	ND(55)	ND(57)	ND(59)	ND(65,000)	ND(11,000)	ND(57)	ND(50)	ND(2,700)	ND(57)	ND(51)	ND(49)	ND(52)	ND(2,900)	ND(51)	ND(49)	73	ND(47)	ND(53)
Benzene	22	13	5	3	1	µg/kg	**110**	**150**	4.4	1.8	**19**	ND(0.88)	ND(0.88)	**6.8**	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	**6,600**	**3,000**	6.3	**5.5**	ND(54)	2.3	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Bromobenzene	440	260	100	60	20	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(2.6)	ND(1.9)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.8)	ND(2)	ND(440)	ND(1.6)	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2,600)	ND(450)	ND(2.3)	ND(2)	ND(110)	ND(2.3)	ND(2)	ND(2)	ND(2.1)	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(5.1)	12	ND(4.7)	ND(5.3)	ND(5.2)	ND(4.4)	ND(4.4)	ND(5)	ND(1,100)	ND(3.9)	ND(4.5)	ND(4.6)	ND(5.4)	ND(4.8)	ND(5.6)	ND(5.3)	ND(5.7)	ND(5.5)	ND(5.7)	ND(5.9)	ND(6,500)	ND(1,100)	ND(5.7)	ND(5)	ND(270)	ND(5.7)	ND(5.1)	ND(4.9)	ND(5.2)	ND(290)	ND(5.1)	ND(4.9)	ND(5.1)	ND(4.7)	ND(5.3)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(20)	ND(26)	ND(19)	ND(21)	ND(21)	ND(18)	ND(18)	ND(20)	ND(4,400)	ND(16)	ND(18)	ND(19)	ND(22)	ND(19)	ND(22)	ND(21)	ND(23)	ND(22)	ND(23)	ND(24)	ND(26,000)	ND(4,500)	ND(23)	ND(20)	ND(1,100)	ND(23)	ND(20)	ND(20)	ND(21)	ND(1,200)	ND(20)	ND(20)	ND(21)	ND(19)	ND(21)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(10)	ND(13)	ND(9.5)	ND(11)	ND(10)	ND(8.8)	ND(8.8)	ND(9.9)	ND(2,200)	ND(7.9)	ND(9.1)	ND(9.3)	ND(11)	ND(9.6)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(12)	ND(13,000)	ND(2,300)	ND(11)	ND(10)	ND(540)	ND(11)	ND(10)	ND(9.9)	ND(10)	ND(580)	ND(10)	ND(9.8)	ND(10)	ND(9.5)	ND(11)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Chloroethane	850	850	850	850	850	µg/kg	ND(2)	ND(2.6)	ND(1.9)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.8)	ND(2)	ND(440)	ND(1.6)	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2,600)	ND(450)	ND(2.3)	ND(2)	ND(110)	ND(2.3)	ND(2)	ND(2)	ND(2.1)	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	**1.8**	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(20)	ND(26)	ND(19)	ND(21)	ND(21)	ND(18)	ND(18)	ND(20)	ND(4,400)	ND(16)	ND(18)	ND(19)	ND(22)	ND(19)	ND(22)	ND(21)	ND(23)	ND(22)	ND(23)	ND(24)	ND(26,000)	ND(4,500)	ND(23)	ND(20)	ND(1,100)	ND(23)	ND(20)	ND(20)	ND(21)	ND(1,200)	ND(20)	ND(20)	ND(21)	ND(19)	ND(21)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(2)	ND(2.6)	ND(1.9)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.8)	ND(2)	ND(440)	ND(1.6)	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2,600)	ND(450)	ND(2.3)	ND(2)	ND(110)	ND(2.3)	ND(2)	ND(2)	ND(2.1)	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(2)	ND(2.6)	ND(1.9)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.8)	ND(2)	ND(440)	ND(1.6)	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2,600)	ND(450)	ND(2.3)	ND(2)	ND(110)	ND(2.3)	ND(2)	ND(2)	ND(2.1)	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(510)	ND(650)	ND(470)	ND(530)	ND(520)	ND(440)	ND(440)	ND(500)	ND(110,000)	ND(390)	ND(450)	ND(460)	ND(540)	ND(480)	ND(560)	ND(530)	ND(570)	ND(550)	ND(570)	ND(590)	ND(650,000)	ND(110,000)	ND(570)	ND(500)	ND(27,000)	ND(570)	ND(510)	ND(490)	ND(520)	ND(29,000)	ND(510)	ND(490)	ND(510)	ND(470)	ND(530)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	18	26	3.1	ND(1.1)	5.2	ND(0.88)	ND(0.88)	2.2	**1,100**	3.7	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	**75,000**	**9,000**	6	1.4	ND(54)	55	6.2	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	1.1	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	1.5	3,200	430	ND(1.1)	ND(1)	ND(54)	4.4	ND(1)	ND(0.99)	2.7	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Methylene Chloride	77	65	25	15	5	µg/kg	ND(10)	ND(13)	ND(9.5)	ND(11)	ND(10)	ND(8.8)	ND(8.8)	ND(9.9)	ND(2,300 B)	ND(7.9)	ND(9.1)	ND(9.3)	ND(11)	ND(9.6)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(12)	ND(13,000)	ND(2,300)	ND(11)	ND(10)	ND(540)	ND(11)	ND(10)	ND(9.9)	ND(10)	ND(580)	ND(10)	ND(9.8)	ND(10)	ND(9.5)	ND(11)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	ND(2)	5	ND(1.9)	ND(2.1)	6	ND(1.8)	ND(1.8)	2.5	ND(440)	ND(1.6)	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2,600)	ND(450)	ND(2.3)	ND(2)	ND(110)	ND(2.3)	ND(2)	ND(2)	ND(2.1)	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	ND(10)	ND(13)	**34**	ND(11)	**32**	ND(8.8)	ND(8.8)	ND(9.9)	**5,100**	**1,200 D**	ND(9.1)	ND(9.3)	ND(11)	ND(9.6)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	**14**	**100,000**	**15,000**	**12**	ND(10)	ND(540)	ND(550)	**64**	ND(9.9)	**20**	ND(580)	ND(10)	ND(9.8)	ND(10)	ND(9.5)	ND(11)
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	2.9	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	480	9.5	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	3	34,000	5,700	1.4	ND(1)	ND(54)	71	14	2.7	27	300	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	1.4	2.5	2.4	ND(1.1)	1.1	ND(0.88)	ND(0.88)	ND(0.99)	500	3.6	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	2.4	38,000	5,300	1.7	ND(1)	ND(54)	54	8	1.6	15	82	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	3.8	11	4	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	0.85	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	**110,000**	13,000	8.8	1.9	ND(54)	93	9.6	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	5.6	18	8.8	ND(2.1)	8.1	ND(1.8)	ND(1.8)	4.7	650	2.4	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	**310,000**	**36,000**	26	5.5	ND(110)	240	28	2.5	3.5	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	4.6	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	1,500	250	ND(1.1)	ND(1)	ND(54)	3.2	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	230	2.4	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	1.9	1,700	280	ND(1.1)	ND(1)	ND(54)	4.1	ND(1)	ND(0.99)	9.1	61	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Styrene	1,500	1,300	500	300	100	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(2.6)	ND(1.9)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.8)	ND(2)	ND(440)	ND(1.6)	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2,600)	ND(450)	ND(2.3)	ND(2)	ND(110)	ND(2.3)	ND(2)	ND(2)	ND(2.1)	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(20)	53	ND(19)	37	**77**	39	32	70	ND(4,400)	ND(16)	ND(18)	ND(19)	ND(22)	ND(19)	ND(22)	ND(21)	ND(23)	ND(22)	ND(23)	ND(24)	ND(26,000)	ND(4,500)	ND(23)	21	ND(1,100)	ND(23)	ND(20)	ND(20)	ND(21)	ND(1,200)	ND(20)	ND(20)	ND(21)	ND(19)	ND(21)
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Toluene	2,900	1,950	750	450	150	µg/kg	3.1	42	3.3	1.2	1.2	ND(0.88)	ND(0.88)	4.7	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	**97,000**	**12,000**	13	3.3	ND(54)	29	2.8	ND(0.99)	1.3	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Trichloroethene	110	65	25	15	5	µg/kg	ND(2)	ND(2.6)	ND(1.9)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.8)	ND(2)	ND(440)	ND(1.6)	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2,600)	ND(450)	ND(2.3)	ND(2)	ND(110)	ND(2.3)	ND(2)	ND(2)	ND(2.1)	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(10)	ND(13)	ND(9.5)	ND(11)	ND(10)	ND(8.8)	ND(8.8)	ND(9.9)	ND(2,200)	ND(7.9)	ND(9.1)	ND(9.3)	ND(11)	ND(9.6)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(12)	ND(13,000)	ND(2,300)	ND(11)	ND(10)	ND(540)	ND(11)	ND(10)	ND(9.9)	ND(10)	ND(580)	ND(10)	ND(9.8)	ND(10)	ND(9.5)	ND(11)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(10)	ND(13)	ND(9.5)	ND(11)	ND(10)	ND(8.8)	ND(8.8)	ND(9.9)	ND(2,200)	ND(7.9)	ND(9.1)	ND(9.3)	ND(11)	ND(9.6)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(12)	ND(13,000)	ND(2,300)	ND(11)	ND(10)	ND(540)	ND(11)	ND(10)	ND(9.9)	ND(10)	ND(580)	ND(10)	ND(9.8)	ND(10)	ND(9.5)	ND(11)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(1)	ND(1.3)	ND(0.95)	ND(1.1)	ND(1)	ND(0.88)	ND(0.88)	ND(0.99)	ND(220)	ND(0.79)	ND(0.91)	ND(0.93)	ND(1.1)	ND(0.96)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1,300)	ND(230)	ND(1.1)	ND(1)	ND(54)	ND(1.1)	ND(1)	ND(0.99)	ND(1)	ND(58)	ND(1)	ND(0.98)	ND(1)	ND(0.95)	ND(1.1)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	9.4	29	12.8	ND(2.1)	8.1	ND(1.8)	ND(1.8)	4.7	650	3.25	ND(1.8)	ND(1.9)	ND(2.2)	ND(1.9)	ND(2.2)	ND(2.1)	ND(2.3)	ND(2.2)	ND(2.3)	ND(2.4)	**420,000**	**49,000**	34.8	7.4	ND(110)	333	37.6	2.5	3.5	ND(120)	ND(2)	ND(2)	ND(2.1)	ND(1.9)	ND(2.1)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting limits

µg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 36
VOC CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:							B250-50	B250-60	B250-70	B250-80	B250-90	B251-05	B251-10	B251-20	B251-30	B251-40	B251-50	B251-60	B251-70	B251-80	B251-90	B252-5	B252-10	B252-20	B252-30	B252-40	B252-50	B252-60	B252-70	B252-80	B252-90	B253-05	B253-10	B253-20	B253-30	B253-40	B253-50	B253-60	B253-70	B253-80
Approx. Depth[1] (feet bgs):							50	60	70	80	90	5	10	20	30	40	50	60	70	80	90	5	10	20	30	40	50	60	70	80	90	5	10	20	30	40	50	60	70	80
Date Collected:	CSLs by depth						01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B250	B250	B250	B250	B250	B251	B251	B251	B251	B251	B251	B251	B251	B251	B251	B252	B252	B252	B252	B252	B252	B252	B252	B252	B252	B253	B253	B253	B253	B253	B253	B253	B253	B253
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	μg/kg	ND(2.4)	ND(2.7)	ND(1.4)	ND(2.3)	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.6)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	ND(110)	ND(1,200)	ND(88)	ND(1.2)	ND(100)	ND(2.2)	ND(100)	ND(100)	ND(270)	ND(210)	ND(210)	ND(190)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	μg/kg	ND(12)	ND(13)	ND(7)	ND(12)	ND(13)	ND(8.3)	ND(8.8)	ND(10)	ND(11)	ND(11)	ND(9)	ND(8.1)	ND(7.8)	ND(9.4)	ND(9.4)	ND(9)	ND(9.3)	ND(11)	ND(2,400)	ND(11)	ND(11)	ND(11)	ND(540)	ND(5,800)	ND(440)	ND(6)	ND(520)	ND(11)	ND(500)	ND(500)	ND(1,300)	ND(1,000)	ND(1,100)	ND(960)
1,1,2-Trichloroethane	70	65	25	15	5	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
1,1-Dichloroethane	110	65	25	15	5	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
1,1-Dichloroethene	132	78	30	18	6	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
1,1-Dichloropropene	- -	- -	- -	- -	- -	μg/kg	ND(2.4)	ND(2.7)	ND(1.4)	ND(2.3)	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.6)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	ND(110)	ND(1,200)	ND(88)	ND(1.2)	ND(100)	ND(2.2)	ND(100)	ND(100)	ND(270)	ND(210)	ND(210)	ND(190)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	μg/kg	ND(2.4)	ND(2.7)	ND(1.4)	ND(2.3)	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.6)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	ND(110)	ND(1,200)	ND(88)	ND(1.2)	ND(100)	ND(2.2)	ND(100)	ND(100)	ND(270)	ND(210)	ND(210)	ND(190)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	μg/kg	ND(2.4)	ND(2.7)	ND(1.4)	ND(2.3)	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.6)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	ND(110)	ND(1,200)	ND(88)	ND(1.2)	ND(100)	ND(2.2)	ND(100)	ND(100)	ND(270)	ND(210)	ND(210)	ND(190)
1,2,4-Trichlorobenzene	110	65	25	15	5	μg/kg	ND(2.4)	ND(2.7)	ND(1.4)	ND(2.3)	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.6)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	ND(110)	ND(1,200)	ND(88)	ND(1.2)	ND(100)	ND(2.2)	ND(100)	ND(100)	ND(270)	ND(210)	ND(210)	ND(190)
1,2,4-Trimethylbenzene	330	195	75	45	15	μg/kg	ND(2.4)	ND(2.7)	ND(1.4)	ND(2.3)	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	**990 D**	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	**230**	ND(1,200)	ND(88)	ND(1.2)	**10,000**	15	**170**	ND(100)	**2,200**	**10,000**	**11,000**	**2,200**
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	μg/kg	ND(5.9)	ND(6.7)	ND(3.5)	ND(5.8)	ND(6.5)	ND(4.1)	ND(4.4)	ND(5.1)	ND(5.3)	ND(5.3)	ND(4.5)	ND(4.1)	ND(3.9)	ND(4.7)	ND(4.7)	ND(4.5)	ND(4.6)	ND(5.5)	ND(1,200)	ND(5.4)	ND(5.4)	ND(5.6)	ND(270)	ND(2,900)	ND(220)	ND(3)	ND(260)	ND(5.5)	ND(250)	ND(250)	ND(670)	ND(510)	ND(530)	ND(480)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	**38**	**97**	**130**	ND(130)	ND(100)	ND(110)	ND(96)
1,2-Dichloropropane	110	65	25	15	5	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
1,3,5-Trimethylbenzene	264	156	60	36	12	μg/kg	ND(2.4)	ND(2.7)	ND(1.4)	ND(2.3)	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	**300 D**	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	ND(110)	ND(1,200)	ND(88)	ND(1.2)	**2,900**	7.1	ND(100)	ND(100)	**690**	**3,700**	**4,100**	**840**
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
1,4-Dichlorobenzene	590	590	375	225	75	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	3.9	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
2,2-Dichloropropane	- -	- -	- -	- -	- -	μg/kg	ND(5.9)	ND(6.7)	ND(3.5)	ND(5.8)	ND(6.5)	ND(4.1)	ND(4.4)	ND(5.1)	ND(5.3)	ND(5.3)	ND(4.5)	ND(4.1)	ND(3.9)	ND(4.7)	ND(4.7)	ND(4.5)	ND(4.6)	ND(5.5)	ND(1,200)	ND(5.4)	ND(5.4)	ND(5.6)	ND(270)	ND(2,900)	ND(220)	ND(3)	ND(260)	ND(5.5)	ND(250)	ND(250)	ND(670)	ND(510)	ND(530)	ND(480)
2-Butanone	3,900	3,900	3,900	3,900	3,900	μg/kg	ND(24)	ND(27)	ND(14)	ND(23)	ND(26)	ND(17)	ND(18)	ND(20)	ND(21)	ND(21)	ND(18)	42	ND(16)	ND(19)	ND(19)	ND(18)	ND(19)	ND(22)	ND(4,900)	ND(22)	ND(21)	ND(22)	ND(1,100)	ND(12,000)	ND(880)	15	ND(1,000)	ND(22)	ND(1,000)	ND(1,000)	ND(2,700)	ND(2,100)	ND(2,100)	ND(1,900)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
2-Hexanone	- -	- -	- -	- -	- -	μg/kg	ND(24)	ND(27)	ND(14)	ND(23)	ND(26)	ND(17)	ND(18)	ND(20)	ND(21)	ND(21)	ND(18)	ND(16)	ND(16)	ND(19)	ND(19)	ND(18)	ND(19)	ND(22)	ND(4,900)	ND(22)	ND(21)	ND(22)	ND(1,100)	ND(12,000)	ND(880)	ND(12)	ND(1,000)	ND(22)	ND(1,000)	ND(1,000)	ND(2,700)	ND(2,100)	ND(2,100)	ND(1,900)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	μg/kg	ND(24)	ND(27)	ND(14)	ND(23)	ND(26)	ND(17)	ND(18)	ND(20)	ND(21)	ND(21)	ND(18)	ND(16)	ND(16)	ND(19)	ND(19)	ND(18)	ND(19)	ND(22)	ND(4,900)	ND(22)	ND(21)	ND(22)	ND(1,100)	ND(12,000)	ND(880)	ND(12)	ND(1,000)	ND(22)	ND(1,000)	ND(1,000)	ND(2,700)	ND(2,100)	ND(2,100)	ND(1,900)
Acetone	500	500	500	500	500	μg/kg	ND(59)	ND(67)	ND(35)	ND(58)	ND(65)	ND(41)	ND(44)	ND(51)	ND(53)	ND(53)	ND(45)	140	ND(39)	ND(47)	ND(47)	ND(45)	ND(46)	ND(55)	ND(12,000)	ND(54)	ND(54)	ND(56)	ND(2,700)	ND(29,000)	ND(2,200)	77	ND(2,600)	79	ND(2,500)	ND(2,500)	ND(6,700)	ND(5,100)	ND(5,300)	ND(4,800)
Benzene	22	13	5	3	1	μg/kg	ND(1.2)	1.5	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	**260 D**	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	12	**4,200**	**160**	**580**	**1,300**	ND(130)	**6,600**	**610**	ND(96)
Bromobenzene	440	260	100	60	20	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
Bromochloromethane	- -	- -	- -	- -	- -	μg/kg	ND(2.4)	ND(2.7)	ND(1.4)	ND(2.3)	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.6)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	ND(110)	ND(1,200)	ND(88)	ND(1.2)	ND(100)	ND(2.2)	ND(100)	ND(100)	ND(270)	ND(210)	ND(210)	ND(190)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
Bromoform	187	110.5	42.5	25.5	8.5	μg/kg	ND(5.9)	ND(6.7)	ND(3.5)	ND(5.8)	ND(6.5)	ND(4.1)	ND(4.4)	ND(5.1)	ND(5.3)	ND(5.3)	ND(4.5)	ND(4.1)	ND(3.9)	ND(4.7)	ND(4.7)	ND(4.5)	ND(4.6)	ND(5.5)	ND(1,200)	ND(5.4)	ND(5.4)	ND(5.6)	ND(270)	ND(2,900)	ND(220)	ND(3)	ND(260)	ND(5.5)	ND(250)	ND(250)	ND(670)	ND(510)	ND(530)	ND(480)
Bromomethane	191.4	113.1	43.5	26.1	8.7	μg/kg	ND(24)	ND(27)	ND(14)	ND(23)	ND(26)	ND(17)	ND(18)	ND(20)	ND(21)	ND(21)	ND(18)	ND(16)	ND(16)	ND(19)	ND(19)	ND(18)	ND(19)	ND(22)	ND(4,900)	ND(22)	ND(21)	ND(22)	ND(1,100)	ND(12,000)	ND(880)	ND(12)	ND(1,000)	ND(22)	ND(1,000)	ND(1,000)	ND(2,700)	ND(2,100)	ND(2,100)	ND(1,900)
c-1,2-Dichloroethene	132	78	30	18	6	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	μg/kg	ND(12)	ND(13)	ND(7)	ND(12)	ND(13)	ND(8.3)	ND(8.8)	ND(10)	ND(11)	ND(11)	ND(9)	10	ND(7.8)	ND(9.4)	ND(9.4)	ND(9)	ND(9.3)	ND(11)	ND(2,400)	ND(11)	ND(11)	ND(11)	ND(540)	ND(5,800)	ND(440)	ND(6)	ND(520)	ND(11)	ND(500)	ND(500)	ND(1,300)	ND(1,000)	ND(1,100)	ND(960)
Carbon Tetrachloride	20	20	20	15	5	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
Chlorobenzene	1,500	910	350	210	70	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
Chloroethane	850	850	850	850	850	μg/kg	ND(2.4)	ND(2.7)	ND(1.4)	ND(2.3)	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.6)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	ND(110)	ND(1,200)	ND(88)	ND(1.2)	ND(100)	ND(2.2)	ND(100)	ND(100)	ND(270)	ND(210)	ND(210)	ND(190)
Chloroform	4.18	2.47	0.95	0.57	0.19	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	**1,500**	**5.7**	ND(50)	ND(50)	ND(130)	**570**	ND(110)	ND(96)
Chloromethane	39.6	23.4	9	5.4	1.8	μg/kg	ND(24)	ND(27)	ND(14)	ND(23)	ND(26)	ND(17)	ND(18)	ND(20)	ND(21)	ND(21)	ND(18)	ND(16)	ND(16)	ND(19)	ND(19)	ND(18)	ND(19)	ND(22)	ND(4,900)	ND(22)	ND(21)	ND(22)	ND(1,100)	ND(12,000)	ND(880)	ND(12)	ND(1,000)	ND(22)	ND(1,000)	ND(1,000)	ND(2,700)	ND(2,100)	ND(2,100)	ND(1,900)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	μg/kg	ND(2.4)	ND(2.7)	ND(1.4)	ND(2.3)	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.6)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	ND(110)	ND(1,200)	ND(88)	ND(1.2)	ND(100)	ND(2.2)	ND(100)	ND(100)	ND(270)	ND(210)	ND(210)	ND(190)
Dibromomethane	8,140	4,810	1,850	1,110	370	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	μg/kg	ND(2.4)	ND(2.7)	ND(1.4)	ND(2.3)	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.6)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	ND(110)	ND(1,200)	ND(88)	ND(1.2)	ND(100)	ND(2.2)	ND(100)	ND(100)	ND(270)	ND(210)	ND(210)	ND(190)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
Ethanol	- -	- -	- -	- -	- -	μg/kg	ND(590)	ND(670)	ND(350)	ND(580)	ND(650)	ND(410)	ND(440)	ND(510)	ND(530)	ND(530)	ND(450)	ND(410)	ND(390)	ND(470)	ND(470)	ND(450)	ND(460)	ND(550)	ND(120,000)	ND(540)	ND(540)	ND(560)	ND(27,000)	ND(290,000)	ND(22,000)	ND(300)	ND(26,000)	ND(550)	ND(25,000)	ND(25,000)	ND(67,000)	ND(51,000)	ND(53,000)	ND(48,000)
Ethylbenzene	2,300	3,300	1,500	900	300	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	400 D	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	56	ND(0.6)	**8,200**	45	99	82	840	**4,000**	**4,900**	**310**
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	10	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	94	ND(0.6)	1,400	7.1	ND(50)	ND(50)	270	1,000	**930**	160
Methylene Chloride	77	65	25	15	5	μg/kg	ND(12)	ND(13)	ND(7)	ND(12)	ND(13)	ND(8.3)	ND(8.8)	ND(10)	ND(11)	ND(11)	ND(9)	ND(8.1)	ND(7.8)	ND(9.4)	ND(9.4)	ND(9)	ND(9.3)	ND(11)	ND(2,900 B)	ND(11)	ND(11)	ND(11)	ND(540)	ND(6,600 B)	ND(440)	ND(6)	ND(520)	ND(11)	ND(500)	ND(500)	ND(1,300)	ND(1,000)	ND(1,100)	ND(960)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	μg/kg	ND(2.4)	5.3	ND(1.4)	4.6	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.6)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	ND(110)	ND(1,200)	ND(88)	ND(1.2)	ND(100)	ND(2.2)	ND(100)	ND(100)	ND(270)	ND(210)	ND(210)	ND(190)
Naphthalene	3.08	1.82	0.7	0.42	0.14	μg/kg	ND(12)	ND(13)	ND(7)	ND(12)	ND(13)	ND(8.3)	ND(8.8)	ND(10)	ND(11)	ND(11)	ND(9)	**90**	ND(7.8)	ND(9.4)	ND(9.4)	ND(9)	ND(9.3)	ND(11)	ND(2,400)	ND(11)	ND(11)	ND(11)	ND(540)	ND(5,800)	ND(440)	ND(6)	**2,600**	ND(11)	ND(500)	ND(500)	**2,300**	**6,300**	**5,700**	**1,300**
n-Butylbenzene	- -	- -	- -	- -	- -	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	47 J	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	380	770	620	ND(0.6)	960	4.8	ND(50)	ND(50)	390	1,800	1,600	320
n-Propylbenzene	- -	- -	- -	- -	- -	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	85	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	160	860	510	ND(0.6)	2,300	11	ND(50)	ND(50)	450	1,700	1,900	370
o-Xylene	30,800	18,200	7,000	4,200	1,400	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	560 D	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	3,400	37	ND(50)	ND(50)	570	690	**3,200**	200
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	μg/kg	ND(2.4)	ND(2.7)	ND(1.4)	ND(2.3)	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	1,700 D	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	ND(110)	ND(1,200)	ND(88)	ND(1.2)	**24,000 D**	140	120	ND(100)	2,000	**5,900**	**14,000**	**1,700**
p-Isopropyltoluene	- -	- -	- -	- -	- -	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	3.1	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	980	2.7	ND(50)	ND(50)	210	1,300	1,300	240
sec-Butylbenzene	- -	- -	- -	- -	- -	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	3.6	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	310	ND(1.1)	ND(1.1)	ND(1.1)	93	ND(580)	270	ND(0.6)	590	2.4	ND(50)	ND(50)	150	490	450	ND(96)
Styrene	1,500	1,300	500	300	100	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
t-1,2-Dichloroethene	220	130	50	30	10	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	μg/kg	ND(2.4)	ND(2.7)	ND(1.4)	ND(2.3)	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.6)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	ND(110)	ND(1,200)	ND(88)	ND(1.2)	ND(100)	ND(2.2)	ND(100)	ND(100)	ND(270)	ND(210)	ND(210)	ND(190)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	μg/kg	ND(24)	ND(27)	ND(14)	ND(23)	ND(26)	ND(17)	ND(18)	ND(20)	ND(21)	ND(21)	ND(18)	46	ND(16)	ND(19)	ND(19)	ND(18)	ND(19)	ND(22)	ND(4,900)	ND(22)	ND(21)	ND(22)	ND(1,100)	ND(12,000)	ND(880)	ND(12)	ND(1,000)	75	ND(1,000)	ND(1,000)	ND(2,700)	ND(2,100)	ND(2,100)	ND(1,900)
tert-Butylbenzene	- -	- -	- -	- -	- -	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
Tetrachloroethene	110	65	25	15	5	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
Toluene	2,900	1,950	750	450	150	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	**1,000 D**	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	1.1	1,400	28	ND(50)	ND(50)	ND(130)	**1,300**	**1,900**	ND(96)
Trichloroethene	110	65	25	15	5	μg/kg	ND(2.4)	ND(2.7)	ND(1.4)	ND(2.3)	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(1.6)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	ND(110)	ND(1,200)	ND(88)	ND(1.2)	ND(100)	ND(2.2)	ND(100)	ND(100)	ND(270)	ND(210)	ND(210)	ND(190)
Trichlorofluoromethane	3,300	1,950	750	450	150	μg/kg	ND(12)	ND(13)	ND(7)	ND(12)	ND(13)	ND(8.3)	ND(8.8)	ND(10)	ND(11)	ND(11)	ND(9)	ND(8.1)	ND(7.8)	ND(9.4)	ND(9.4)	ND(9)	ND(9.3)	ND(11)	ND(2,400)	ND(11)	ND(11)	ND(11)	ND(540)	ND(5,800)	ND(440)	ND(6)	ND(520)	ND(11)	ND(500)	ND(500)	ND(1,300)	ND(1,000)	ND(1,100)	ND(960)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	μg/kg	ND(12)	ND(13)	ND(7)	ND(12)	ND(13)	ND(8.3)	ND(8.8)	ND(10)	ND(11)	ND(11)	ND(9)	ND(8.1)	ND(7.8)	ND(9.4)	ND(9.4)	ND(9)	ND(9.3)	ND(11)	ND(2,400)	ND(11)	ND(11)	ND(11)	ND(540)	ND(5,800)	ND(440)	9.8	ND(520)	92	ND(500)	ND(500)	ND(1,300)	ND(1,000)	ND(1,100)	ND(960)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	μg/kg	ND(1.2)	ND(1.3)	ND(0.7)	ND(1.2)	ND(1.3)	ND(0.83)	ND(0.88)	ND(1)	ND(1.1)	ND(1.1)	ND(0.9)	ND(0.81)	ND(0.78)	ND(0.94)	ND(0.94)	ND(0.9)	ND(0.93)	ND(1.1)	ND(240)	ND(1.1)	ND(1.1)	ND(1.1)	ND(54)	ND(580)	ND(44)	ND(0.6)	ND(52)	ND(1.1)	ND(50)	ND(50)	ND(130)	ND(100)	ND(110)	ND(96)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	μg/kg	ND(2.4)	ND(2.7)	ND(1.4)	ND(2.3)	ND(2.6)	ND(1.7)	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	2,260	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.9)	ND(2.2)	ND(490)	ND(2.2)	ND(2.1)	ND(2.2)	ND(110)	ND(1,200)	ND(88)	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting lim ts

μg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 36
VOC CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:							B253-90	B254-05	B254-10	B254-20	B254-30	B254-40	B254-50	B254-60	B254-70	B254-80	B254-90	B255-05	B255-10
Approx. Depth[1] (feet bgs):							90	5	10	20	30	40	50	60	70	80	90	5	10
Date Collected:	CSLs by depth						01/31/08	02/05/08	02/05/08	02/05/08	02/05/08	02/05/08	02/05/08	02/05/08	02/05/08	02/05/08	02/05/08	01/31/08	01/31/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B253	B254	B254	B254	B254	B254	B254	B254	B254	B254	B254	B255	B255
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(110)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2)	ND(2)	ND(2.3)	ND(2.1)	ND(2.4)	ND(1.7)	ND(140)	ND(1.6)	ND(1.5)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(530)	ND(11)	ND(12)	ND(14)	ND(10)	ND(10)	ND(12)	ND(11)	ND(12)	ND(8.3)	ND(710)	ND(8.1)	ND(7.4)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(110)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2)	ND(2)	ND(2.3)	ND(2.1)	ND(2.4)	ND(1.7)	ND(140)	ND(1.6)	ND(1.5)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(110)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2)	ND(2)	ND(2.3)	ND(2.1)	ND(2.4)	ND(1.7)	ND(140)	ND(1.6)	ND(1.5)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(110)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2)	ND(2)	ND(2.3)	ND(2.1)	ND(2.4)	ND(1.7)	ND(140)	ND(1.6)	ND(1.5)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(110)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2)	ND(2)	ND(2.3)	ND(2.1)	ND(2.4)	ND(1.7)	ND(140)	ND(1.6)	ND(1.5)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	**200**	ND(2.2)	ND(2.5)	140	ND(2)	ND(2)	12	5.9	ND(2.4)	4.7	**260**	ND(1.6)	ND(1.5)
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(260)	ND(5.4)	ND(6.2)	ND(7)	ND(5)	ND(5)	ND(5.8)	ND(5.3)	ND(6.1)	ND(4.2)	ND(350)	ND(4)	ND(3.7)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	**190**	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	1.4	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	**250**	ND(2.2)	ND(2.5)	61	ND(2)	ND(2)	6.9	4.6	ND(2.4)	2.6	ND(140)	ND(1.6)	ND(1.5)
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(260)	ND(5.4)	ND(6.2)	ND(7)	ND(5)	ND(5)	ND(5.8)	ND(5.3)	ND(6.1)	ND(4.2)	ND(350)	ND(4)	ND(3.7)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	ND(1,100)	ND(22)	ND(25)	ND(28)	ND(20)	ND(20)	ND(23)	ND(21)	ND(24)	21	ND(1,400)	ND(1,800)	19
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(1,100)	ND(22)	ND(25)	ND(28)	ND(20)	ND(20)	ND(23)	ND(21)	ND(24)	ND(17)	ND(1,400)	ND(16)	ND(15)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(1,100)	ND(22)	ND(25)	ND(28)	ND(20)	ND(20)	ND(23)	ND(21)	ND(24)	ND(17)	ND(1,400)	ND(16)	ND(15)
Acetone	500	500	500	500	500	µg/kg	ND(2,600)	ND(54)	ND(62)	190	54	ND(50)	ND(58)	ND(53)	ND(61)	82	ND(3,500)	ND(4,600)	70
Benzene	22	13	5	3	1	µg/kg	**3,600**	ND(1.1)	2.1	5	**8.5**	3	**7.2**	**40**	**1.6**	**8.5**	ND(71)	ND(0.81)	ND(0.74)
Bromobenzene	440	260	100	60	20	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(110)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2)	ND(2)	ND(2.3)	ND(2.1)	ND(2.4)	ND(1.7)	ND(140)	ND(1.6)	ND(1.5)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(260)	ND(5.4)	ND(6.2)	ND(7)	ND(5)	ND(5)	ND(5.8)	ND(5.3)	ND(6.1)	ND(4.2)	ND(350)	ND(4)	ND(3.7)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(1,100)	ND(22)	ND(25)	ND(28)	ND(20)	ND(20)	ND(23)	ND(21)	ND(24)	ND(17)	ND(1,400)	ND(16)	ND(15)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(530)	ND(11)	ND(12)	ND(14)	ND(10)	ND(10)	ND(12)	ND(11)	ND(12)	ND(8.3)	ND(710)	ND(8.1)	ND(7.4)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
Chloroethane	850	850	850	850	850	µg/kg	ND(110)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2)	ND(2)	ND(2.3)	ND(2.1)	ND(2.4)	ND(1.7)	ND(140)	ND(1.6)	ND(1.5)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(1,100)	ND(22)	ND(25)	ND(28)	ND(20)	ND(20)	ND(23)	ND(21)	ND(24)	ND(17)	ND(1,400)	ND(16)	ND(15)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(110)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2)	ND(2)	ND(2.3)	ND(2.1)	ND(2.4)	ND(1.7)	ND(140)	ND(1.6)	ND(1.5)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(110)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2)	ND(2)	ND(2.3)	ND(2.1)	ND(2.4)	ND(1.7)	ND(140)	ND(1.6)	ND(1.5)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(26,000)	ND(540)	ND(620)	ND(700)	ND(500)	ND(500)	ND(580)	ND(530)	ND(610)	ND(420)	ND(35,000)	ND(400)	ND(370)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	**540**	ND(1.1)	ND(1.2)	27	ND(1)	7	7	8.1	ND(1.2)	2.7	ND(71)	ND(0.81)	ND(0.74)
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	72	ND(1.1)	ND(1.2)	17	1.4	4.1	1.6	1.5	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
Methylene Chloride	77	65	25	15	5	µg/kg	ND(530)	ND(11)	ND(12)	ND(14)	ND(10)	ND(10)	ND(12)	ND(11)	ND(12)	ND(8.3)	ND(710)	ND(8.1)	ND(7.4)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	**240**	ND(2.2)	ND(2.5)	ND(2.8)	ND(2)	ND(2)	ND(2.3)	ND(2.1)	ND(2.4)	ND(1.7)	ND(140)	ND(1.6)	ND(1.5)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	ND(530)	ND(11)	ND(12)	**120**	ND(10)	ND(10)	ND(12)	ND(11)	ND(12)	ND(8.3)	ND(710)	ND(8.1)	ND(7.4)
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	130	ND(1.1)	ND(1.2)	26	ND(1)	ND(1)	1.5	ND(1.1)	ND(1.2)	ND(0.83)	95	ND(0.81)	ND(0.74)
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	160	ND(1.1)	ND(1.2)	22	ND(1)	1.4	2	1.2	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	ND(53)	ND(1.1)	ND(1.2)	11	ND(1)	ND(1)	1.5	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	590	ND(2.2)	ND(2.5)	53	ND(2)	ND(2)	9.4	7.9	ND(2.4)	3.1	ND(140)	ND(1.6)	ND(1.5)
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	59	ND(1.1)	ND(1.2)	20	ND(1)	ND(1)	1.2	1.5	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(53)	ND(1.1)	ND(1.2)	20	ND(1)	1.3	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
Styrene	1,500	1,300	500	300	100	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(110)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2)	ND(2)	ND(2.3)	ND(2.1)	ND(2.4)	ND(1.7)	ND(140)	ND(1.6)	ND(1.5)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(1,100)	ND(22)	ND(25)	58	24	27	ND(23)	63	ND(24)	47	ND(1,400)	55	ND(15)
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(53)	ND(1.1)	ND(1.2)	2	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
Toluene	2,900	1,950	750	450	150	µg/kg	57	ND(1.1)	ND(1.2)	2.5	2.3	1.5	1.6	1.9	ND(1.2)	0.95	ND(71)	ND(0.81)	ND(0.74)
Trichloroethene	110	65	25	15	5	µg/kg	ND(110)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2)	ND(2)	ND(2.3)	ND(2.1)	ND(2.4)	ND(1.7)	ND(140)	ND(1.6)	ND(1.5)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(530)	ND(11)	ND(12)	ND(14)	ND(10)	ND(10)	ND(12)	ND(11)	ND(12)	ND(8.3)	ND(710)	ND(8.1)	ND(7.4)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(530)	ND(11)	ND(12)	ND(14)	ND(10)	ND(10)	ND(12)	ND(11)	ND(12)	ND(8.3)	ND(710)	ND(8.1)	ND(7.4)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(53)	ND(1.1)	ND(1.2)	ND(1.4)	ND(1)	ND(1)	ND(1.2)	ND(1.1)	ND(1.2)	ND(0.83)	ND(71)	ND(0.81)	ND(0.74)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	NA	ND(2.2)	ND(2.5)	64	ND(2)	ND(2)	10.9	7.9	ND(2.4)	3.1	ND(140)	NA	NA

Sample ID:	B255-20	B255-30	B255-40	B255-50	B255-60	B255-70	B255-80	B255-90	B256-05	B256-10	B256-20	B256-30	B256-40	B256-50	B256-60	B256-70	B256-80	B256-90	B257-05	B257-10	B257-20
Approx. Depth[1] (feet bgs):	20	30	40	50	60	70	80	90	5	10	20	30	40	50	60	70	80	90	5	10	20
Date Collected:	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/30/08	01/30/08	01/30/08
Location ID:	B255	B255	B255	B255	B255	B255	B255	B255	B256	B256	B256	B256	B256	B256	B256	B256	B256	B256	B257	B257	B257
1,1,1,2-Tetrachloroethane	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
1,1,1-Trichloroethane	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
1,1,2,2-Tetrachloroethane	ND(2.8)	ND(2.1)	ND(2)	ND(2.1)	ND(130)	ND(120)	ND(110)	ND(110)	ND(2.8)	ND(2.1)	ND(2.7)	ND(2.2)	ND(110)	ND(2.5)	ND(2.3)	ND(2.5)	ND(2.2)	ND(2.2)	ND(560)	ND(200)	ND(480)
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND(14)	ND(10)	ND(10)	ND(11)	ND(650)	ND(580)	ND(570)	ND(540)	ND(14)	ND(11)	ND(13)	ND(11)	ND(530)	ND(12)	ND(12)	ND(13)	ND(11)	ND(11)	ND(2,800)	ND(1,000)	ND(2,400)
1,1,2-Trichloroethane	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
1,1-Dichloroethane	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
1,1-Dichloroethene	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
1,1-Dichloropropene	ND(2.8)	ND(2.1)	ND(2)	ND(2.1)	ND(130)	ND(120)	ND(110)	ND(110)	ND(2.8)	ND(2.1)	ND(2.7)	ND(2.2)	ND(110)	ND(2.5)	ND(2.3)	ND(2.5)	ND(2.2)	ND(2.2)	ND(560)	ND(200)	ND(480)
1,2,3-Trichlorobenzene	ND(2.8)	ND(2.1)	ND(2)	ND(2.1)	ND(130)	ND(120)	ND(110)	ND(110)	ND(2.8)	ND(2.1)	ND(2.7)	ND(2.2)	ND(110)	ND(2.5)	ND(2.3)	ND(2.5)	ND(2.2)	ND(2.2)	ND(560)	ND(200)	ND(480)
1,2,3-Trichloropropane	ND(2.8)	ND(2.1)	ND(2)	ND(2.1)	ND(130)	ND(120)	ND(110)	ND(110)	ND(2.8)	ND(2.1)	ND(2.7)	ND(2.2)	ND(110)	ND(2.5)	ND(2.3)	ND(2.5)	ND(2.2)	ND(2.2)	ND(560)	ND(200)	ND(480)
1,2,4-Trichlorobenzene	ND(2.8)	ND(2.1)	ND(2)	ND(2.1)	ND(130)	ND(120)	ND(110)	ND(110)	ND(2.8)	ND(2.1)	ND(2.7)	ND(2.2)	ND(110)	ND(2.5)	ND(2.3)	ND(2.5)	ND(2.2)	ND(2.2)	ND(560)	ND(200)	ND(480)
1,2,4-Trimethylbenzene	ND(2.8)	ND(2.1)	ND(2)	34	ND(130)	**3,600**	**1,300**	ND(110)	ND(2.8)	ND(2.1)	2.9	ND(2.2)	ND(110)	ND(2.5)	4.6	ND(2.5)	ND(2.2)	ND(2.2)	**620**	**1,800**	**56,000 D**
1,2-Dibromo-3-Chloropropane	ND(7)	ND(5.2)	ND(5)	ND(5.3)	ND(320)	ND(290)	ND(290)	ND(270)	ND(7.1)	ND(5.4)	ND(6.7)	ND(5.6)	ND(260)	ND(6.1)	ND(5.8)	ND(6.4)	ND(5.5)	ND(5.4)	ND(1,400)	ND(500)	ND(1,200)
1,2-Dibromoethane	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
1,2-Dichlorobenzene	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
1,2-Dichloroethane	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	**120**	**94**	ND(1.2)	ND(1.3)	ND(1.1)	**11**	ND(280)	ND(100)	ND(240)
1,2-Dichloropropane	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	4	ND(1.2)	ND(1.3)	2.1	ND(1.1)	ND(280)	ND(100)	ND(240)
1,3,5-Trimethylbenzene	ND(2.8)	ND(2.1)	ND(2)	12	ND(130)	**1,200**	**430**	ND(110)	ND(2.8)	ND(2.1)	ND(2.7)	ND(2.2)	ND(110)	ND(2.5)	ND(2.3)	ND(2.5)	ND(2.2)	ND(2.2)	ND(560)	**310**	**17,000**
1,3-Dichlorobenzene	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
1,3-Dichloropropane	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
1,4-Dichlorobenzene	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
2,2-Dichloropropane	ND(7)	ND(5.2)	ND(5)	ND(5.3)	ND(320)	ND(290)	ND(290)	ND(270)	ND(7.1)	ND(5.4)	ND(6.7)	ND(5.6)	ND(260)	ND(6.1)	ND(5.8)	ND(6.4)	ND(5.5)	ND(5.4)	ND(1,400)	ND(500)	ND(1,200)
2-Butanone	ND(28)	ND(21)	ND(20)	ND(21)	ND(1,300)	ND(1,200)	ND(1,100)	ND(1,100)	ND(28)	ND(21)	56	31	ND(1,100)	80	79	ND(25)	ND(22)	ND(22)	ND(5,600)	ND(2,000)	ND(4,800)
2-Chlorotoluene	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
2-Hexanone	ND(28)	ND(21)	ND(20)	ND(21)	ND(1,300)	ND(1,200)	ND(1,100)	ND(1,100)	ND(28)	ND(21)	ND(27)	ND(22)	ND(1,100)	ND(25)	ND(23)	ND(25)	ND(22)	ND(22)	ND(5,600)	ND(2,000)	ND(4,800)
4-Chlorotoluene	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
4-Methyl-2-Pentanone	ND(28)	ND(21)	ND(20)	ND(21)	ND(1,300)	ND(1,200)	ND(1,100)	ND(1,100)	ND(28)	ND(21)	ND(27)	ND(22)	ND(1,100)	ND(25)	ND(23)	ND(25)	ND(22)	ND(22)	ND(5,600)	ND(2,000)	ND(4,800)
Acetone	ND(70)	55	ND(50)	ND(53)	ND(3,200)	ND(2,900)	ND(2,900)	ND(2,700)	130	ND(54)	ND(67)	56	ND(2,600)	200	80	ND(64)	ND(55)	ND(54)	ND(14,000)	ND(5,000)	ND(12,000)
Benzene	2.5	**14**	**80**	**36**	**670**	**490**	**94**	**240**	ND(1.4)	3.4	5.7	**120**	**4,300**	**10,000 D**	**92**	**16**	**21**	**280 D**	**520**	**1,700**	**10,000**
Bromobenzene	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
Bromochloromethane	ND(2.8)	ND(2.1)	ND(2)	ND(2.1)	ND(130)	ND(120)	ND(110)	ND(110)	ND(2.8)	ND(2.1)	ND(2.7)	ND(2.2)	ND(110)	ND(2.5)	ND(2.3)	ND(2.5)	ND(2.2)	ND(2.2)	ND(560)	ND(200)	ND(480)
Bromodichloromethane	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
Bromoform	ND(7)	ND(5.2)	ND(5)	ND(5.3)	ND(320)	ND(290)	ND(290)	ND(270)	ND(7.1)	ND(5.4)	ND(6.7)	ND(5.6)	ND(260)	ND(6.1)	ND(5.8)	ND(6.4)	ND(5.5)	ND(5.4)	ND(1,400)	ND(500)	ND(1,200)
Bromomethane	ND(28)	ND(21)	ND(20)	ND(21)	ND(1,300)	ND(1,200)	ND(1,100)	ND(1,100)	ND(28)	ND(21)	ND(27)	ND(22)	ND(1,100)	ND(25)	ND(23)	ND(25)	ND(22)	ND(22)	ND(5,600)	ND(2,000)	ND(4,800)
c-1,2-Dichloroethene	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
c-1,3-Dichloropropene	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
Carbon Disulfide	ND(14)	ND(10)	ND(10)	ND(11)	ND(650)	ND(580)	ND(570)	ND(540)	ND(14)	ND(11)	ND(13)	ND(11)	ND(530)	ND(12)	ND(12)	ND(13)	ND(11)	ND(11)	ND(2,800)	ND(1,000)	ND(2,400)
Carbon Tetrachloride	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
Chlorobenzene	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
Chloroethane	ND(2.8)	ND(2.1)	ND(2)	ND(2.1)	ND(130)	ND(120)	ND(110)	ND(110)	ND(2.8)	ND(2.1)	ND(2.7)	ND(2.2)	ND(110)	ND(2.5)	ND(2.3)	ND(2.5)	ND(2.2)	ND(2.2)	ND(560)	ND(200)	ND(480)
Chloroform	ND(1.4)	ND(1)	ND(1)	**4.5**	ND(65)	**150**	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
Chloromethane	ND(28)	ND(21)	ND(20)	ND(21)	ND(1,300)	ND(1,200)	ND(1,100)	ND(1,100)	ND(28)	ND(21)	ND(27)	ND(22)	ND(1,100)	ND(25)	ND(23)	ND(25)	ND(22)	ND(22)	ND(5,600)	ND(2,000)	ND(4,800)
Dibromochloromethane	ND(2.8)	ND(2.1)	ND(2)	ND(2.1)	ND(130)	ND(120)	ND(110)	ND(110)	ND(2.8)	ND(2.1)	ND(2.7)	ND(2.2)	ND(110)	ND(2.5)	ND(2.3)	ND(2.5)	ND(2.2)	ND(2.2)	ND(560)	ND(200)	ND(480)
Dibromomethane	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
Dichlorodifluoromethane	ND(2.8)	ND(2.1)	ND(2)	ND(2.1)	ND(130)	ND(120)	ND(110)	ND(110)	ND(2.8)	ND(2.1)	ND(2.7)	ND(2.2)	ND(110)	ND(2.5)	ND(2.3)	ND(2.5)	ND(2.2)	ND(2.2)	ND(560)	ND(200)	ND(480)
Diisopropyl Ether (DIPE)	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
Ethanol	ND(700)	ND(520)	ND(500)	ND(530)	ND(32,000)	ND(29,000)	ND(29,000)	ND(27,000)	ND(710)	ND(540)	ND(670)	ND(560)	ND(26,000)	ND(610)	ND(580)	ND(640)	ND(550)	ND(540)	ND(140,000)	ND(50,000)	ND(120,000)
Ethylbenzene	ND(1.4)	2.9	11	21	210	**1,700**	**340**	120	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	12	4.3	ND(1.3)	ND(1.1)	20	1,700	**4,600**	**34,000**
Ethyl tert-Butyl Ether (ETBE)	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
Isopropylbenzene	ND(1.4)	1.3	1.2	3.9	ND(65)	330	87	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	1.8	1,800	1,700	5,000
Methylene Chloride	ND(14)	ND(10)	ND(10)	ND(11)	ND(650)	ND(580)	ND(570)	ND(540)	ND(14)	ND(11)	ND(13)	ND(11)	ND(530)	ND(12)	ND(12)	ND(13)	ND(11)	ND(11)	ND(2,800)	ND(1,000)	ND(2,400)
Methyl tert-Butyl Ether (MTBE)	ND(2.8)	ND(2.1)	ND(2)	ND(2.1)	ND(130)	ND(120)	ND(110)	ND(110)	ND(2.8)	ND(2.1)	ND(2.7)	ND(2.2)	ND(110)	ND(2.5)	ND(2.3)	ND(2.5)	ND(2.2)	ND(2.2)	ND(560)	ND(200)	ND(480)
Naphthalene	ND(14)	ND(10)	**34**	**23**	ND(650)	ND(580)	ND(570)	ND(540)	ND(14)	ND(11)	ND(13)	ND(11)	ND(530)	ND(12)	ND(12)	ND(13)	ND(11)	ND(11)	**14,000**	**1,600**	**15,000**
n-Butylbenzene	ND(1.4)	ND(1)	ND(1)	5	ND(65)	410	180	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	3,100	2,200	7,100
n-Propylbenzene	ND(1.4)	ND(1)	1.1	5.3	ND(65)	530	150	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	2.6	3,500	3,800	13,000
o-Xylene	ND(1.4)	ND(1)	ND(1)	1.1	ND(65)	330	190	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	3	1.6	ND(1.3)	ND(1.1)	ND(1.1)	400	120	9,000
p/m-Xylenes	ND(2.8)	ND(2.1)	5.5	19	210	**1,900**	510	150	ND(2.8)	ND(2.1)	ND(2.7)	ND(2.2)	ND(110)	20	9.5	ND(2.5)	ND(2.2)	13	ND(560)	1,700	**62,000**
p-Isopropyltoluene	ND(1.4)	ND(1)	ND(1)	5.1	ND(65)	440	190	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	250	2,200
sec-Butylbenzene	ND(1.4)	ND(1)	ND(1)	1.3	ND(65)	100	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	1,100	1,100	2,400
Styrene	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
t-1,2-Dichloroethene	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
t-1,3-Dichloropropene	ND(2.8)	ND(2.1)	ND(2)	ND(2.1)	ND(130)	ND(120)	ND(110)	ND(110)	ND(2.8)	ND(2.1)	ND(2.7)	ND(2.2)	ND(110)	ND(2.5)	ND(2.3)	ND(2.5)	ND(2.2)	ND(2.2)	ND(560)	ND(200)	ND(480)
Tert-Amyl-Methyl Ether (TAME)	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
Tert-Butyl Alcohol (TBA)	ND(28)	ND(21)	70	47	ND(1,300)	ND(1,200)	ND(1,100)	ND(1,100)	ND(28)	ND(21)	ND(27)	ND(22)	ND(1,100)	ND(25)	ND(23)	ND(25)	ND(22)	ND(22)	ND(5,600)	ND(2,000)	ND(4,800)
tert-Butylbenzene	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
Tetrachloroethene	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
Toluene	ND(1.4)	ND(1)	1.2	2.6	ND(65)	**200**	ND(57)	ND(54)	ND(1.4)	ND(1.1)	1.8	ND(1.1)	**930**	**820 D**	85	3.9	11	5.8	ND(280)	ND(100)	**7,100**
Trichloroethene	ND(2.8)	ND(2.1)	ND(2)	ND(2.1)	ND(130)	ND(120)	ND(110)	ND(110)	ND(2.8)	ND(2.1)	ND(2.7)	ND(2.2)	ND(110)	ND(2.5)	ND(2.3)	ND(2.5)	ND(2.2)	ND(2.2)	ND(560)	ND(200)	ND(480)
Trichlorofluoromethane	ND(14)	ND(10)	ND(10)	ND(11)	ND(650)	ND(580)	ND(570)	ND(540)	ND(14)	ND(11)	ND(13)	ND(11)	ND(530)	ND(12)	ND(12)	ND(13)	ND(11)	ND(11)	ND(2,800)	ND(1,000)	ND(2,400)
Vinyl Acetate	ND(14)	33	ND(10)	ND(11)	ND(650)	ND(580)	ND(570)	ND(540)	ND(14)	ND(11)	ND(13)	ND(11)	ND(530)	ND(12)	ND(12)	ND(13)	ND(11)	ND(11)	ND(2,800)	ND(1,000)	ND(2,400)
Vinyl Chloride	ND(1.4)	ND(1)	ND(1)	ND(1.1)	ND(65)	ND(58)	ND(57)	ND(54)	ND(1.4)	ND(1.1)	ND(1.3)	ND(1.1)	ND(53)	ND(1.2)	ND(1.2)	ND(1.3)	ND(1.1)	ND(1.1)	ND(280)	ND(100)	ND(240)
Xylenes, total	NA	NA	NA	NA	NA	NA	NA	NA	ND(2.8)	ND(2.1)	ND(2.7)	ND(2.2)	ND(110)	23	11.1	ND(2.5)	ND(2.2)	13	400	1,820	**71,000**

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting limits

µg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 36
VOC CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:							B257-30	B257-40	B257-50	B257-60	B257-70	B257-80	B257-90	B258-05	B258-10	B258-20	B258-30
Approx. Depth[1] (feet bgs):							30	40	50	60	70	80	90	5	10	20	30
Date Collected:	CSLs by depth						01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/31/08	01/31/08	01/31/08	01/31/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B257	B257	B257	B257	B257	B257	B257	B258	B258	B258	B258
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(1,000)	ND(120)	ND(590)	ND(2,100)	ND(920)	ND(12,000)	ND(220)	ND(130)	ND(580)	ND(2,200)	ND(2,000)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(5,000)	ND(590)	ND(2,900)	ND(11,000)	ND(4,600)	ND(58,000)	ND(1,100)	ND(630)	ND(2,900)	ND(11,000)	ND(9,800)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(1,000)	ND(120)	ND(590)	ND(2,100)	ND(920)	ND(12,000)	ND(220)	ND(130)	ND(580)	ND(2,200)	ND(2,000)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(1,000)	ND(120)	ND(590)	ND(2,100)	ND(920)	ND(12,000)	ND(220)	ND(130)	ND(580)	ND(2,200)	ND(2,000)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(1,000)	ND(120)	ND(590)	ND(2,100)	ND(920)	ND(12,000)	ND(220)	ND(130)	ND(580)	ND(2,200)	ND(2,000)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(1,000)	ND(120)	ND(590)	ND(2,100)	ND(920)	ND(12,000)	ND(220)	ND(130)	ND(580)	ND(2,200)	ND(2,000)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	**34,000**	**780**	**290,000 D**	**240,000 D**	**150,000 D**	**120,000**	**3,000**	**2,800**	**11,000**	**4,200**	**12,000**
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(2,500)	ND(290)	ND(1,500)	ND(5,300)	ND(2,300)	ND(29,000)	ND(550)	ND(320)	ND(1,400)	ND(5,500)	ND(4,900)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	**12,000**	**240**	**100,000 D**	**110,000**	**61,000**	**46,000**	**1,100**	**1,000**	**3,800**	ND(2,200)	**3,600**
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(2,500)	ND(290)	ND(1,500)	ND(5,300)	ND(2,300)	ND(29,000)	ND(550)	ND(320)	ND(1,400)	ND(5,500)	ND(4,900)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	ND(10,000)	ND(1,200)	ND(5,900)	ND(21,000)	ND(9,200)	ND(120,000)	ND(2,200)	ND(1,300)	ND(5,800)	ND(22,000)	ND(20,000)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(10,000)	ND(1,200)	ND(5,900)	ND(21,000)	ND(9,200)	ND(120,000)	ND(2,200)	ND(1,300)	ND(5,800)	ND(22,000)	ND(20,000)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(10,000)	ND(1,200)	ND(5,900)	ND(21,000)	ND(9,200)	ND(120,000)	ND(2,200)	ND(1,300)	ND(5,800)	ND(22,000)	ND(20,000)
Acetone	500	500	500	500	500	µg/kg	ND(25,000)	ND(2,900)	ND(15,000)	ND(53,000)	ND(23,000)	ND(290,000)	ND(5,500)	ND(3,200)	ND(14,000)	ND(55,000)	ND(49,000)
Benzene	22	13	5	3	1	µg/kg	**7,600**	**4,500**	**50,000 D**	**31,000**	**28,000**	**8,500**	**1,000**	ND(63)	**370**	ND(1,100)	**1,000**
Bromobenzene	440	260	100	60	20	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(1,000)	ND(120)	ND(590)	ND(2,100)	ND(920)	ND(12,000)	ND(220)	ND(130)	ND(580)	ND(2,200)	ND(2,000)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(2,500)	ND(290)	ND(1,500)	ND(5,300)	ND(2,300)	ND(29,000)	ND(550)	ND(320)	ND(1,400)	ND(5,500)	ND(4,900)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(10,000)	ND(1,200)	ND(5,900)	ND(21,000)	ND(9,200)	ND(120,000)	ND(2,200)	ND(1,300)	ND(5,800)	ND(22,000)	ND(20,000)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(5,000)	ND(590)	ND(2,900)	ND(11,000)	ND(4,600)	ND(58,000)	ND(1,100)	ND(630)	ND(2,900)	ND(11,000)	ND(9,800)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
Chloroethane	850	850	850	850	850	µg/kg	ND(1,000)	ND(120)	ND(590)	ND(2,100)	ND(920)	ND(12,000)	ND(220)	ND(130)	ND(580)	ND(2,200)	ND(2,000)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(500)	ND(59)	ND(290)	**2,300**	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(10,000)	ND(1,200)	ND(5,900)	ND(21,000)	ND(9,200)	ND(120,000)	ND(2,200)	ND(1,300)	ND(5,800)	ND(22,000)	ND(20,000)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(1,000)	ND(120)	ND(590)	ND(2,100)	ND(920)	ND(12,000)	ND(220)	ND(130)	ND(580)	ND(2,200)	ND(2,000)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(1,000)	ND(120)	ND(590)	ND(2,100)	ND(920)	ND(12,000)	ND(220)	ND(130)	ND(580)	ND(2,200)	ND(2,000)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(250,000)	ND(29,000)	ND(150,000)	ND(530,000)	ND(230,000)	ND(2,900,000)	ND(55,000)	ND(32,000)	ND(140,000)	ND(550,000)	ND(490,000)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	**13,000**	740	**110,000 D**	**140,000**	**81,000 D**	**58,000**	**990**	160	670	ND(1,100)	1,200
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	1,400	ND(59)	**13,000**	**13,000**	**8,400**	ND(5,800)	ND(110)	130	550	ND(1,100)	ND(980)
Methylene Chloride	77	65	25	15	5	µg/kg	ND(5,000)	ND(590)	ND(2,900)	ND(11,000)	ND(4,600)	ND(58,000)	ND(1,100)	ND(630)	ND(2,900)	ND(11,000)	ND(9,800)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	ND(1,000)	ND(120)	ND(590)	ND(2,100)	ND(920)	ND(12,000)	ND(220)	ND(130)	ND(580)	ND(2,200)	ND(2,000)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	ND(5,000)	ND(590)	**29,000**	**27,000**	**16,000**	ND(58,000)	ND(1,100)	**9,500**	**40,000**	**17,000**	**40,000**
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	2,800	ND(59)	24,000	24,000	13,000	9,500	240	830	3,300	1,500	4,200
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	5,400	98	50,000	52,000	31,000	19,000	400	280	1,200	ND(1,100)	1,600
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	**21,000**	1,300	**180,000 D**	**170,000 D**	**120,000 D**	**91,000**	**1,900**	460	1,400	ND(1,100)	2,100
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	**61,000**	3,300	**540,000 D**	**530,000 D**	**380,000 D**	**280,000**	**5,100**	970	3,100	ND(2,200)	5,100
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	ND(500)	ND(59)	2,000	2,000	1,000	ND(5,800)	ND(110)	420	1,600	ND(1,100)	2,100
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	690	ND(59)	5,800	5,900	3,400	ND(5,800)	ND(110)	220	970	ND(1,100)	1,300
Styrene	1,500	1,300	500	300	100	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(1,000)	ND(120)	ND(590)	ND(2,100)	ND(920)	ND(12,000)	ND(220)	ND(130)	ND(580)	ND(2,200)	ND(2,000)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(10,000)	ND(1,200)	ND(5,900)	ND(21,000)	ND(9,200)	ND(120,000)	ND(2,200)	ND(1,300)	ND(5,800)	ND(22,000)	ND(20,000)
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
Toluene	2,900	1,950	750	450	150	µg/kg	**29,000**	**6,000**	**270,000 D**	**280,000 D**	**240,000 D**	**140,000**	**3,500**	140	330	ND(1,100)	ND(980)
Trichloroethene	110	65	25	15	5	µg/kg	ND(1,000)	ND(120)	ND(590)	ND(2,100)	ND(920)	ND(12,000)	ND(220)	ND(130)	ND(580)	ND(2,200)	ND(2,000)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(5,000)	ND(590)	ND(2,900)	ND(11,000)	ND(4,600)	ND(58,000)	ND(1,100)	ND(630)	ND(2,900)	ND(11,000)	ND(9,800)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(5,000)	ND(590)	ND(2,900)	ND(11,000)	ND(4,600)	ND(58,000)	ND(1,100)	ND(630)	ND(2,900)	ND(11,000)	ND(9,800)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(500)	ND(59)	ND(290)	ND(1,100)	ND(460)	ND(5,800)	ND(110)	ND(63)	ND(290)	ND(1,100)	ND(980)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	**82,000**	**4,600**	**720,000**	**700,000**	**500,000**	**371,000**	**7,000**	1,430	**4,500**	ND(2,200)	**7,200**

Sample ID:	B258-40	B258-50	B258-60	B258-80	B258-90	B259-05	B259-10	B259-30	B259-40	B259-50	B259-60	B259-70	B259-80	B259-90	B260-05	B260-10	B260-20	B260-30	B260-40	B260-50
Approx. Depth[1] (feet bgs):	40	50	60	80	90	5	10	30	40	50	60	70	80	90	5	10	20	30	40	50
Date Collected:	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08
Location ID:	B258	B258	B258	B258	B258	B259	B259	B259	B259	B259	B259	B259	B259	B259	B260	B260	B260	B260	B260	B260
1,1,1,2-Tetrachloroethane	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
1,1,1-Trichloroethane	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
1,1,2,2-Tetrachloroethane	ND(2.5)	ND(2.4)	ND(120)	ND(710)	ND(130)	ND(2.8)	ND(1.9)	ND(1.9)	ND(1.7)	ND(2.5)	ND(2.2)	ND(3.4)	ND(2.7)	ND(2.3)	ND(3,200)	ND(2.2)	ND(2.6)	ND(2.2)	ND(2.4)	ND(920)
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND(12)	ND(12)	ND(580)	ND(3,500)	ND(630)	ND(14)	ND(9.7)	ND(9.7)	ND(8.5)	ND(12)	ND(11)	ND(17)	ND(13)	ND(12)	ND(16,000)	ND(11)	ND(13)	ND(11)	ND(12)	ND(4,600)
1,1,2-Trichloroethane	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
1,1-Dichloroethane	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
1,1-Dichloroethene	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
1,1-Dichloropropene	ND(2.5)	ND(2.4)	ND(120)	ND(710)	ND(130)	ND(2.8)	ND(1.9)	ND(1.9)	ND(1.7)	ND(2.5)	ND(2.2)	ND(3.4)	ND(2.7)	ND(2.3)	ND(3,200)	ND(2.2)	ND(2.6)	ND(2.2)	ND(2.4)	ND(920)
1,2,3-Trichlorobenzene	ND(2.5)	ND(2.4)	ND(120)	ND(710)	ND(130)	ND(2.8)	ND(1.9)	ND(1.9)	ND(1.7)	ND(2.5)	ND(2.2)	ND(3.4)	ND(2.7)	ND(2.3)	ND(3,200)	ND(2.2)	ND(2.6)	ND(2.2)	ND(2.4)	ND(920)
1,2,3-Trichloropropane	ND(2.5)	ND(2.4)	ND(120)	ND(710)	ND(130)	ND(2.8)	ND(1.9)	ND(1.9)	ND(1.7)	ND(2.5)	ND(2.2)	ND(3.4)	ND(2.7)	ND(2.3)	ND(3,200)	ND(2.2)	ND(2.6)	ND(2.2)	ND(2.4)	ND(920)
1,2,4-Trichlorobenzene	ND(2.5)	ND(2.4)	ND(120)	ND(710)	ND(130)	ND(2.8)	ND(1.9)	ND(1.9)	ND(1.7)	ND(2.5)	ND(2.2)	ND(3.4)	ND(2.7)	ND(2.3)	ND(3,200)	ND(2.2)	ND(2.6)	ND(2.2)	ND(2.4)	ND(920)
1,2,4-Trimethylbenzene	8.6	ND(2.4)	**530**	**930**	ND(130)	ND(2.8)	ND(1.9)	ND(1.9)	ND(1.7)	3.8	ND(2.2)	ND(3.4)	ND(2.7)	ND(2.3)	**41,000**	76	61	ND(2.2)	13	**40,000**
1,2-Dibromo-3-Chloropropane	ND(6.2)	ND(5.9)	ND(290)	ND(1,800)	ND(310)	ND(6.9)	ND(4.9)	ND(4.9)	ND(4.2)	ND(6.2)	ND(5.5)	ND(8.4)	ND(6.7)	ND(5.8)	ND(7,900)	ND(5.6)	ND(6.4)	ND(5.5)	ND(6)	ND(2,300)
1,2-Dibromoethane	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
1,2-Dichlorobenzene	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
1,2-Dichloroethane	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
1,2-Dichloropropane	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
1,3,5-Trimethylbenzene	ND(2.5)	ND(2.4)	**180**	ND(710)	ND(130)	ND(2.8)	ND(1.9)	ND(1.9)	ND(1.7)	ND(2.5)	ND(2.2)	ND(3.4)	ND(2.7)	ND(2.3)	**19,000**	25	25	ND(2.2)	4.5	**19,000**
1,3-Dichlorobenzene	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
1,3-Dichloropropane	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
1,4-Dichlorobenzene	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
2,2-Dichloropropane	ND(6.2)	ND(5.9)	ND(290)	ND(1,800)	ND(310)	ND(6.9)	ND(4.9)	ND(4.9)	ND(4.2)	ND(6.2)	ND(5.5)	ND(8.4)	ND(6.7)	ND(5.8)	ND(7,900)	ND(5.6)	ND(6.4)	ND(5.5)	ND(6)	ND(2,300)
2-Butanone	ND(25)	ND(24)	ND(1,200)	ND(7,100)	ND(1,300)	31	ND(19)	ND(19)	ND(17)	ND(25)	ND(22)	ND(34)	ND(27)	ND(23)	ND(32,000)	91	ND(26)	ND(22)	ND(24)	ND(9,200)
2-Chlorotoluene	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
2-Hexanone	ND(25)	ND(24)	ND(1,200)	ND(7,100)	ND(1,300)	ND(28)	ND(19)	ND(19)	ND(17)	ND(25)	ND(22)	ND(34)	ND(27)	ND(23)	ND(32,000)	ND(22)	ND(26)	ND(22)	ND(24)	ND(9,200)
4-Chlorotoluene	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
4-Methyl-2-Pentanone	ND(25)	ND(24)	ND(1,200)	ND(7,100)	ND(1,300)	ND(28)	ND(19)	ND(19)	ND(17)	ND(25)	ND(22)	ND(34)	ND(27)	ND(23)	ND(32,000)	ND(22)	ND(26)	ND(22)	ND(24)	ND(9,200)
Acetone	ND(62)	ND(59)	ND(2,900)	ND(18,000)	ND(3,100)	190	ND(49)	ND(49)	ND(42)	ND(62)	ND(55)	ND(84)	ND(67)	ND(58)	ND(79,000)	ND(3,200)	90	ND(55)	ND(60)	ND(23,000)
Benzene	**45**	ND(1.2)	ND(58)	ND(350)	**120**	ND(1.4)	ND(0.97)	1.7	ND(0.85)	ND(1.2)	1.9	**2.8**	ND(1.3)	**3.2**	ND(1,600)	**77**	**16**	ND(1.1)	**6.1**	**2,000**
Bromobenzene	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
Bromochloromethane	ND(2.5)	ND(2.4)	ND(120)	ND(710)	ND(130)	ND(2.8)	ND(1.9)	ND(1.9)	ND(1.7)	ND(2.5)	ND(2.2)	ND(3.4)	ND(2.7)	ND(2.3)	ND(3,200)	ND(2.2)	ND(2.6)	ND(2.2)	ND(2.4)	ND(920)
Bromodichloromethane	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
Bromoform	ND(6.2)	ND(5.9)	ND(290)	ND(1,800)	ND(310)	ND(6.9)	ND(4.9)	ND(4.9)	ND(4.2)	ND(6.2)	ND(5.5)	ND(8.4)	ND(6.7)	ND(5.8)	ND(7,900)	ND(5.6)	ND(6.4)	ND(5.5)	ND(6)	ND(2,300)
Bromomethane	ND(25)	ND(24)	ND(1,200)	ND(7,100)	ND(1,300)	ND(28)	ND(19)	ND(19)	ND(17)	ND(25)	ND(22)	ND(34)	ND(27)	ND(23)	ND(32,000)	ND(22)	ND(26)	ND(22)	ND(24)	ND(9,200)
c-1,2-Dichloroethene	1.7	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	1.4	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
c-1,3-Dichloropropene	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
Carbon Disulfide	ND(12)	ND(12)	ND(580)	ND(3,500)	ND(630)	ND(14)	ND(9.7)	ND(9.7)	ND(8.5)	ND(12)	ND(11)	ND(17)	ND(13)	ND(12)	ND(16,000)	ND(11)	ND(13)	ND(11)	ND(12)	ND(4,600)
Carbon Tetrachloride	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
Chlorobenzene	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
Chloroethane	ND(2.5)	ND(2.4)	ND(120)	ND(710)	ND(130)	ND(2.8)	ND(1.9)	ND(1.9)	ND(1.7)	ND(2.5)	ND(2.2)	ND(3.4)	ND(2.7)	ND(2.3)	ND(3,200)	ND(2.2)	ND(2.6)	ND(2.2)	ND(2.4)	ND(920)
Chloroform	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
Chloromethane	ND(25)	ND(24)	ND(1,200)	ND(7,100)	ND(1,300)	ND(28)	ND(19)	ND(19)	ND(17)	ND(25)	ND(22)	ND(34)	ND(27)	ND(23)	ND(32,000)	ND(22)	ND(26)	ND(22)	ND(24)	ND(9,200)
Dibromochloromethane	ND(2.5)	ND(2.4)	ND(120)	ND(710)	ND(130)	ND(2.8)	ND(1.9)	ND(1.9)	ND(1.7)	ND(2.5)	ND(2.2)	ND(3.4)	ND(2.7)	ND(2.3)	ND(3,200)	ND(2.2)	ND(2.6)	ND(2.2)	ND(2.4)	ND(920)
Dibromomethane	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
Dichlorodifluoromethane	ND(2.5)	ND(2.4)	ND(120)	ND(710)	ND(130)	ND(2.8)	ND(1.9)	ND(1.9)	ND(1.7)	ND(2.5)	ND(2.2)	ND(3.4)	ND(2.7)	ND(2.3)	ND(3,200)	ND(2.2)	ND(2.6)	ND(2.2)	ND(2.4)	ND(920)
Diisopropyl Ether (DIPE)	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
Ethanol	ND(620)	ND(590)	ND(29,000)	ND(180,000)	ND(31,000)	ND(690)	ND(490)	ND(490)	ND(420)	ND(620)	ND(550)	ND(840)	ND(670)	ND(580)	ND(790,000)	ND(560)	ND(640)	ND(550)	ND(600)	ND(230,000)
Ethylbenzene	2.6	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	**6,200**	46	20	ND(1.1)	4	**17,000**
Ethyl tert-Butyl Ether (ETBE)	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
Isopropylbenzene	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	2,800	8.8	6.1	ND(1.1)	ND(1.2)	**3,100**
Methylene Chloride	ND(12)	ND(12)	ND(580)	ND(3,500)	ND(630)	ND(14)	ND(9.7)	ND(9.7)	ND(8.5)	ND(12)	ND(11)	ND(17)	ND(13)	ND(12)	ND(16,000)	ND(11)	ND(13)	ND(11)	ND(12)	ND(4,600)
Methyl tert-Butyl Ether (MTBE)	ND(2.5)	ND(2.4)	ND(120)	ND(710)	ND(130)	ND(2.8)	ND(1.9)	11	ND(1.7)	4.3	3.1	ND(3.4)	ND(2.7)	ND(2.3)	ND(3,200)	4.2	ND(2.6)	ND(2.2)	ND(2.4)	ND(920)
Naphthalene	**77**	ND(12)	**2,400**	**3,800**	ND(630)	ND(14)	ND(9.7)	ND(9.7)	ND(8.5)	ND(12)	ND(11)	ND(17)	ND(13)	ND(12)	ND(16,000)	**23**	**17**	ND(11)	ND(12)	ND(4,600)
n-Butylbenzene	ND(1.2)	ND(1.2)	210	400	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	7,600	4.7	9.6	ND(1.1)	1.4	6,200
n-Propylbenzene	ND(1.2)	ND(1.2)	72	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	5,100	11	9.1	ND(1.1)	ND(1.2)	6,400
o-Xylene	1.7	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	12,000	68	29	ND(1.1)	9	**29,000**
p/m-Xylenes	3.8	ND(2.4)	ND(120)	ND(710)	ND(130)	ND(2.8)	ND(1.9)	ND(1.9)	ND(1.7)	ND(2.5)	ND(2.2)	ND(3.4)	ND(2.7)	ND(2.3)	**38,000**	180	74	ND(2.2)	24	**87,000**
p-Isopropyltoluene	ND(1.2)	ND(1.2)	92	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	1.3	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	3,700	3.8	6.2	ND(1.1)	ND(1.2)	1,600
sec-Butylbenzene	ND(1.2)	ND(1.2)	69	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	2,700	3.7	5.5	ND(1.1)	ND(1.2)	1,600
Styrene	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
t-1,2-Dichloroethene	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
t-1,3-Dichloropropene	ND(2.5)	ND(2.4)	ND(120)	ND(710)	ND(130)	ND(2.8)	ND(1.9)	ND(1.9)	ND(1.7)	ND(2.5)	ND(2.2)	ND(3.4)	ND(2.7)	ND(2.3)	ND(3,200)	ND(2.2)	ND(2.6)	ND(2.2)	ND(2.4)	ND(920)
Tert-Amyl-Methyl Ether (TAME)	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
Tert-Butyl Alcohol (TBA)	45	ND(24)	ND(1,200)	ND(7,100)	ND(1,300)	ND(28)	ND(19)	73	ND(17)	ND(25)	33	ND(34)	ND(27)	ND(23)	ND(32,000)	ND(22)	ND(26)	ND(22)	ND(24)	ND(9,200)
tert-Butylbenzene	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
Tetrachloroethene	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
Toluene	4.4	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	1.2	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	**3,100**	110	28	ND(1.1)	13	**27,000**
Trichloroethene	ND(2.5)	ND(2.4)	ND(120)	ND(710)	ND(130)	ND(2.8)	ND(1.9)	ND(1.9)	ND(1.7)	ND(2.5)	ND(2.2)	ND(3.4)	ND(2.7)	ND(2.3)	ND(3,200)	ND(2.2)	ND(2.6)	ND(2.2)	ND(2.4)	ND(920)
Trichlorofluoromethane	ND(12)	ND(12)	ND(580)	ND(3,500)	ND(630)	ND(14)	ND(9.7)	ND(9.7)	ND(8.5)	ND(12)	ND(11)	ND(17)	ND(13)	ND(12)	ND(16,000)	ND(11)	ND(13)	ND(11)	ND(12)	ND(4,600)
Vinyl Acetate	ND(12)	ND(12)	ND(580)	ND(3,500)	ND(630)	ND(14)	ND(9.7)	ND(9.7)	ND(8.5)	ND(12)	ND(11)	ND(17)	ND(13)	ND(12)	ND(16,000)	ND(11)	ND(13)	ND(11)	ND(12)	ND(4,600)
Vinyl Chloride	ND(1.2)	ND(1.2)	ND(58)	ND(350)	ND(63)	ND(1.4)	ND(0.97)	ND(0.97)	ND(0.85)	ND(1.2)	ND(1.1)	ND(1.7)	ND(1.3)	ND(1.2)	ND(1,600)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1.2)	ND(460)
Xylenes, total	5.5	ND(2.4)	ND(120)	ND(710)	ND(130)	ND(2.8)	ND(1.9)	ND(1.9)	ND(1.7)	ND(2.5)	ND(2.2)	ND(3.4)	ND(2.7)	ND(2.3)	**50,000**	248	103	ND(2.2)	33	**116,000**

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting limits

µg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 36
VOC CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:	CSLs by depth						B260-60	B260-70	B260-80	B260-90	B261-5	B261-10	B261-20	B261-30	B261-40	B261-50	B261-60	B261-70	B261-80	B261-90	B262-05	B262-10	B262-20	B262-30	B262-40	B262-50	B262-60	B262-70	B262-80	B262-90	B263-05	B263-10	B263-20	B263-30	B263-40	B263-50	B263-60	B263-70	B263-80	B263-90	B264-5	B264-10
Approx. Depth[1] (feet bgs):							60	70	80	90	5	10	20	30	40	50	60	70	80	90	5	10	20	30	40	50	60	70	80	90	5	10	20	30	40	50	60	70	80	90	5	10
Date Collected:							02/01/08	02/01/08	02/01/08	02/01/08	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	02/04/08	02/04/08	02/04/08	02/04/08	02/04/08	02/04/08	02/04/08	02/04/08	02/04/08	02/04/08	01/15/08	01/15/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B260	B260	B260	B260	B261	B261	B261	B261	B261	B261	B261	B261	B261	B261	B262	B262	B262	B262	B262	B262	B262	B262	B262	B262	B263	B263	B263	B263	B263	B263	B263	B263	B263	B263	B264	B264
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(98)	ND(2.8)	ND(130)	ND(260)	ND(2)	ND(110)	ND(110)	ND(1.6)	ND(2.4)	ND(2.4)	ND(2.8)	ND(3)	ND(3.1)	ND(120)	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	ND(2.1)	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(490)	ND(14)	ND(640)	ND(1,300)	ND(10)	ND(540)	ND(530)	ND(8.2)	ND(12)	ND(12)	ND(14)	ND(15)	ND(15)	ND(580)	ND(18)	ND(11)	ND(14)	ND(10)	ND(11)	ND(13)	ND(14)	ND(12)	ND(11)	ND(12)	ND(13)	ND(10)	ND(10)	ND(8.8)	ND(12)	ND(10)	ND(12)	ND(10)	ND(11)	ND(8.1)	ND(9.1)	ND(9.7)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(98)	ND(2.8)	ND(130)	ND(260)	ND(2)	ND(110)	ND(110)	ND(1.6)	ND(2.4)	ND(2.4)	ND(2.8)	ND(3)	ND(3.1)	ND(120)	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	ND(2.1)	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(98)	ND(2.8)	ND(130)	ND(260)	ND(2)	ND(110)	ND(110)	ND(1.6)	ND(2.4)	ND(2.4)	ND(2.8)	ND(3)	ND(3.1)	ND(120)	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	ND(2.1)	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(98)	ND(2.8)	ND(130)	ND(260)	ND(2)	ND(110)	ND(110)	ND(1.6)	ND(2.4)	ND(2.4)	ND(2.8)	ND(3)	ND(3.1)	ND(120)	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	ND(2.1)	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(98)	ND(2.8)	ND(130)	ND(260)	ND(2)	ND(110)	ND(110)	ND(1.6)	ND(2.4)	ND(2.4)	ND(2.8)	ND(3)	ND(3.1)	ND(120)	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	ND(2.1)	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	**310**	7.1	**2,700**	**760**	ND(2)	ND(110)	ND(110)	20	ND(2.4)	ND(2.4)	7.3	ND(3)	4.4	**120**	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	ND(2.1)	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(250)	ND(7)	ND(320)	ND(650)	ND(5)	ND(270)	ND(270)	ND(4.1)	ND(6)	ND(5.9)	ND(7)	ND(7.5)	ND(7.7)	ND(290)	ND(9.1)	ND(5.7)	ND(7.2)	ND(5.2)	ND(5.6)	ND(6.4)	ND(6.8)	ND(6)	ND(5.4)	ND(6.1)	ND(6.6)	ND(5.2)	ND(5.2)	ND(4.4)	ND(5.8)	ND(5.1)	ND(5.8)	ND(5)	ND(5.6)	ND(4)	ND(4.5)	ND(4.9)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	**130**	ND(2.8)	**720**	**310**	ND(2)	ND(110)	ND(110)	4.5	ND(2.4)	ND(2.4)	ND(2.8)	ND(3)	ND(3.1)	ND(120)	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	5	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(250)	ND(7)	ND(320)	ND(650)	ND(5)	ND(270)	ND(270)	ND(4.1)	ND(6)	ND(5.9)	ND(7)	ND(7.5)	ND(7.7)	ND(290)	ND(9.1)	ND(5.7)	ND(7.2)	ND(5.2)	ND(5.6)	ND(6.4)	ND(6.8)	ND(6)	ND(5.4)	ND(6.1)	ND(6.6)	ND(5.2)	ND(5.2)	ND(4.4)	ND(5.8)	ND(5.1)	ND(5.8)	ND(5)	ND(5.6)	ND(4)	ND(4.5)	ND(4.9)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	ND(980)	ND(28)	ND(1,300)	ND(2,600)	ND(20)	ND(1,100)	ND(1,100)	ND(16)	ND(24)	ND(24)	ND(28)	ND(30)	ND(31)	ND(1,200)	ND(36)	ND(23)	ND(29)	ND(21)	ND(22)	ND(25)	ND(27)	ND(24)	ND(22)	ND(24)	ND(26)	ND(21)	ND(21)	ND(18)	ND(23)	ND(21)	ND(23)	ND(20)	ND(22)	ND(16)	ND(18)	ND(19)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(980)	ND(28)	ND(1,300)	ND(2,600)	ND(20)	ND(1,100)	ND(1,100)	ND(16)	ND(24)	ND(24)	ND(28)	ND(30)	ND(31)	ND(1,200)	ND(36)	ND(23)	ND(29)	ND(21)	ND(22)	ND(25)	ND(27)	ND(24)	ND(22)	ND(24)	ND(26)	ND(21)	ND(21)	ND(18)	ND(23)	ND(21)	ND(23)	ND(20)	ND(22)	ND(16)	ND(18)	ND(19)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(980)	ND(28)	ND(1,300)	ND(2,600)	ND(20)	ND(1,100)	ND(1,100)	ND(16)	ND(24)	ND(24)	ND(28)	ND(30)	ND(31)	ND(1,200)	ND(36)	ND(23)	ND(29)	ND(21)	ND(22)	ND(25)	ND(27)	ND(24)	ND(22)	ND(24)	ND(26)	ND(21)	ND(21)	ND(18)	ND(23)	ND(21)	ND(23)	ND(20)	ND(22)	ND(16)	ND(18)	ND(19)
Acetone	500	500	500	500	500	µg/kg	ND(2,500)	ND(70)	ND(3,200)	ND(6,500)	67	ND(2,700)	ND(2,700)	ND(41)	ND(60)	ND(59)	ND(70)	ND(75)	ND(77)	ND(2,900)	ND(91)	ND(57)	ND(72)	ND(52)	ND(56)	ND(64)	ND(68)	ND(60)	ND(54)	ND(61)	130	ND(52)	ND(52)	ND(44)	ND(58)	ND(51)	ND(58)	ND(50)	ND(56)	ND(40)	ND(45)	ND(49)
Benzene	22	13	5	3	1	µg/kg	**770**	**16**	**330**	**190**	ND(1)	ND(54)	ND(53)	**110**	**8.9**	**6**	**4.2**	**3.7**	**10**	**74**	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	2.5	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	1.1	ND(0.88)	ND(1.2)	**12**	ND(1.2)	**20**	ND(1.1)	**5.2**	ND(0.91)	2
Bromobenzene	440	260	100	60	20	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(98)	ND(2.8)	ND(130)	ND(260)	ND(2)	ND(110)	ND(110)	ND(1.6)	ND(2.4)	ND(2.4)	ND(2.8)	ND(3)	ND(3.1)	ND(120)	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	ND(2.1)	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(250)	ND(7)	ND(320)	ND(650)	ND(5)	ND(270)	ND(270)	ND(4.1)	ND(6)	ND(5.9)	ND(7)	ND(7.5)	ND(7.7)	ND(290)	ND(9.1)	ND(5.7)	ND(7.2)	ND(5.2)	ND(5.6)	ND(6.4)	ND(6.8)	ND(6)	ND(5.4)	ND(6.1)	ND(6.6)	ND(5.2)	ND(5.2)	ND(4.4)	ND(5.8)	ND(5.1)	ND(5.8)	ND(5)	ND(5.6)	ND(4)	ND(4.5)	ND(4.9)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(980)	ND(28)	ND(1,300)	ND(2,600)	ND(20)	ND(1,100)	ND(1,100)	ND(16)	ND(24)	ND(24)	ND(28)	ND(30)	ND(31)	ND(1,200)	ND(36)	ND(23)	ND(29)	ND(21)	ND(22)	ND(25)	ND(27)	ND(24)	ND(22)	ND(24)	ND(26)	ND(21)	ND(21)	ND(18)	ND(23)	ND(21)	ND(23)	ND(20)	ND(22)	ND(16)	ND(18)	ND(19)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	1.8	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(490)	ND(14)	ND(640)	ND(1,300)	ND(10)	ND(540)	ND(530)	ND(8.2)	ND(12)	ND(12)	ND(14)	ND(15)	ND(15)	ND(580)	ND(18)	ND(11)	ND(14)	ND(10)	ND(11)	ND(13)	ND(14)	ND(12)	ND(11)	ND(12)	ND(13)	ND(10)	ND(10)	ND(8.8)	ND(12)	ND(10)	ND(12)	ND(10)	ND(11)	ND(8.1)	ND(9.1)	ND(9.7)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Chloroethane	850	850	850	850	850	µg/kg	ND(98)	ND(2.8)	ND(130)	ND(260)	ND(2)	ND(110)	ND(110)	ND(1.6)	ND(2.4)	ND(2.4)	ND(2.8)	ND(3)	ND(3.1)	ND(120)	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	ND(2.1)	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(980)	ND(28)	ND(1,300)	ND(2,600)	ND(20)	ND(1,100)	ND(1,100)	ND(16)	ND(24)	ND(24)	ND(28)	ND(30)	ND(31)	ND(1,200)	ND(36)	ND(23)	ND(29)	ND(21)	ND(22)	ND(25)	ND(27)	ND(24)	ND(22)	ND(24)	ND(26)	ND(21)	ND(21)	ND(18)	ND(23)	ND(21)	ND(23)	ND(20)	ND(22)	ND(16)	ND(18)	ND(19)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(98)	ND(2.8)	ND(130)	ND(260)	ND(2)	ND(110)	ND(110)	ND(1.6)	ND(2.4)	ND(2.4)	ND(2.8)	ND(3)	ND(3.1)	ND(120)	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	ND(2.1)	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(98)	ND(2.8)	ND(130)	ND(260)	ND(2)	ND(110)	ND(110)	ND(1.6)	ND(2.4)	ND(2.4)	ND(2.8)	ND(3)	ND(3.1)	ND(120)	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	ND(2.1)	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(25,000)	ND(700)	ND(32,000)	ND(65,000)	ND(500)	ND(27,000)	ND(27,000)	ND(410)	ND(600)	ND(590)	ND(700)	ND(750)	ND(770)	ND(29,000)	ND(910)	ND(570)	ND(720)	ND(520)	ND(560)	ND(640)	ND(680)	ND(600)	ND(540)	ND(610)	ND(660)	ND(520)	ND(520)	ND(440)	ND(580)	ND(510)	ND(580)	ND(500)	ND(560)	ND(400)	640	ND(490)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	300	6.4	**1,100**	**660**	ND(1)	470	120	21	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	1.9	100	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	3.9	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	ND(49)	ND(1.4)	370	640	ND(1)	870	200	1.3	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	78	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	20	ND(1.2)	3.5	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Methylene Chloride	77	65	25	15	5	µg/kg	ND(490)	ND(14)	ND(640)	ND(1,300)	ND(10)	ND(540)	ND(530)	ND(8.2)	ND(12)	ND(12)	ND(14)	ND(15)	ND(15)	ND(580)	ND(18)	ND(11)	ND(14)	ND(10)	ND(11)	ND(13)	ND(14)	ND(12)	ND(11)	ND(12)	ND(13)	ND(10)	ND(10)	ND(8.8)	ND(12)	ND(10)	ND(12)	ND(10)	ND(11)	ND(8.1)	ND(9.1)	ND(9.7)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	ND(98)	ND(2.8)	ND(130)	ND(260)	ND(2)	ND(110)	ND(110)	ND(1.6)	ND(2.4)	ND(2.4)	ND(2.8)	ND(3)	ND(3.1)	ND(120)	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	ND(2.1)	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	ND(490)	ND(14)	ND(640)	ND(1,300)	ND(10)	**8,700**	**2,100**	ND(8.2)	ND(12)	ND(12)	ND(14)	ND(15)	ND(15)	ND(580)	ND(18)	ND(11)	ND(14)	ND(10)	ND(11)	ND(13)	ND(14)	ND(12)	ND(11)	ND(12)	ND(13)	ND(10)	ND(10)	ND(8.8)	ND(12)	ND(10)	ND(12)	ND(10)	ND(11)	ND(8.1)	ND(9.1)	ND(9.7)
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(49)	ND(1.4)	630	720	ND(1)	370	110	1.2	ND(1.2)	ND(1.2)	3.7	ND(1.5)	3.7	82	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(49)	ND(1.4)	670	1,100	ND(2)	1,400	320	2.4	ND(2.4)	ND(2.4)	ND(2.8)	ND(3)	ND(3.1)	140	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	2.1	ND(1.2)	1.6	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	490	11	590	250	ND(1)	ND(54)	ND(53)	21	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	1,200	26	**2,400**	930	ND(2)	ND(110)	ND(110)	65	ND(2.4)	ND(2.4)	3.4	ND(3)	ND(3.1)	160	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	ND(2.1)	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	ND(49)	ND(1.4)	140	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	7.8	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(49)	ND(1.4)	240	490	ND(1)	750	200	ND(0.82)	ND(1.2)	ND(1.2)	1.4	ND(1.5)	ND(1.5)	75	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	5.5	ND(1.2)	1.7	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Styrene	1,500	1,300	500	300	100	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(98)	ND(2.8)	ND(130)	ND(260)	ND(2)	ND(110)	ND(110)	ND(1.6)	ND(2.4)	ND(2.4)	ND(2.8)	ND(3)	ND(3.1)	ND(120)	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	ND(2.1)	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(980)	ND(28)	ND(1,300)	ND(2,600)	ND(20)	ND(1,100)	ND(1,100)	ND(16)	ND(24)	ND(24)	ND(28)	ND(30)	39	ND(1,200)	ND(36)	ND(23)	ND(29)	ND(21)	ND(22)	ND(25)	39	ND(24)	ND(22)	ND(24)	ND(26)	ND(21)	ND(21)	ND(18)	ND(23)	ND(21)	ND(23)	30	ND(22)	ND(16)	ND(18)	ND(19)
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Toluene	2,900	1,950	750	450	150	µg/kg	**760**	14	**250**	ND(130)	ND(1)	ND(54)	ND(53)	5.9	2.6	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	2.4	ND(1.2)	2.2	ND(1.1)	ND(0.81)	ND(0.91)	1.1
Trichloroethene	110	65	25	15	5	µg/kg	ND(98)	ND(2.8)	ND(130)	ND(260)	ND(2)	ND(110)	ND(110)	ND(1.6)	ND(2.4)	ND(2.4)	ND(2.8)	ND(3)	ND(3.1)	ND(120)	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	ND(2.1)	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(490)	ND(14)	ND(640)	ND(1,300)	ND(10)	ND(540)	ND(530)	ND(8.2)	ND(12)	ND(12)	ND(14)	ND(15)	ND(15)	ND(580)	ND(18)	ND(11)	ND(14)	ND(10)	ND(11)	ND(13)	ND(14)	ND(12)	ND(11)	ND(12)	ND(13)	ND(10)	ND(10)	ND(8.8)	ND(12)	ND(10)	ND(12)	ND(10)	ND(11)	ND(8.1)	ND(9.1)	ND(9.7)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(490)	ND(14)	ND(640)	ND(1,300)	ND(10)	ND(540)	ND(530)	ND(8.2)	ND(12)	ND(12)	ND(14)	ND(15)	ND(15)	ND(580)	ND(18)	ND(11)	ND(14)	ND(10)	ND(11)	ND(13)	ND(14)	ND(12)	ND(11)	ND(12)	ND(13)	ND(10)	ND(10)	ND(8.8)	ND(12)	ND(10)	ND(12)	ND(10)	ND(11)	ND(8.1)	ND(9.1)	ND(9.7)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(49)	ND(1.4)	ND(64)	ND(130)	ND(1)	ND(54)	ND(53)	ND(0.82)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.5)	ND(1.5)	ND(58)	ND(1.8)	ND(1.1)	ND(1.4)	ND(1)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)	ND(1)	ND(1)	ND(0.88)	ND(1.2)	ND(1)	ND(1.2)	ND(1)	ND(1.1)	ND(0.81)	ND(0.91)	ND(0.97)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	1,690	37	**2,990**	1,180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(3.6)	ND(2.3)	ND(2.9)	ND(2.1)	ND(2.2)	ND(2.5)	ND(2.7)	ND(2.4)	ND(2.2)	ND(2.4)	ND(2.6)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.3)	ND(2.1)	ND(2.3)	ND(2)	ND(2.2)	ND(1.6)	ND(1.8)	ND(1.9)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting limits

µg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 36
VOC CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:							B264-20	B264-30	B264-40	B266-05	B266-10	B266-20	B266-30	B266-40	B267-05	B267-10	B267-20	B267-30	B267-40	B268-05	B268-10	B268-20	B268-30	B268-40	B270-5	B270-10	B270-20	B270-30	B270-40	B271-5	B271-10	B271-20	B271-30	B271-40	B272-5	B272-10	B272-20	B272-30	B272-40	B274-05	B274-10	B274-20
Approx. Depth[1] (feet bgs):							20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20
Date Collected:	CSLs by depth						01/15/08	01/15/08	01/15/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	01/20/09	01/20/09	01/20/09	01/20/09	01/20/09	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B264	B264	B264	B266	B266	B266	B266	B266	B267	B267	B267	B267	B267	B268	B268	B268	B268	B268	B270	B270	B270	B270	B270	B271	B271	B271	B271	B271	B272	B272	B272	B272	B272	B274	B274	B274
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	ND(2.5)	ND(2)	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	ND(1.7)	ND(120)	ND(150)	ND(2.1)	ND(2.3)	ND(2.2)	ND(1.8)	ND(2.2)	ND(2)	ND(2.1)	ND(2.1)	ND(2)	ND(2)	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(12)	ND(12)	ND(11)	ND(8.6)	ND(12)	ND(10)	ND(9.5)	ND(10)	ND(11)	ND(10)	ND(8.3)	ND(8.1)	ND(9.5)	ND(9.7)	ND(7.9)	ND(8.5)	ND(580)	ND(760)	ND(10)	ND(11)	ND(11)	ND(8.8)	ND(11)	ND(10)	ND(11)	ND(11)	ND(10)	ND(9.8)	ND(9.5)	ND(10)	ND(13)	ND(13)	ND(11)	ND(9.3)	ND(8.7)	ND(9.9)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	ND(2.5)	ND(2)	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	ND(1.7)	ND(120)	ND(150)	ND(2.1)	ND(2.3)	ND(2.2)	ND(1.8)	ND(2.2)	ND(2)	ND(2.1)	ND(2.1)	ND(2)	ND(2)	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	ND(2.5)	ND(2)	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	ND(1.7)	ND(120)	ND(150)	ND(2.1)	ND(2.3)	ND(2.2)	ND(1.8)	ND(2.2)	ND(2)	ND(2.1)	ND(2.1)	ND(2)	ND(2)	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	ND(2.5)	ND(2)	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	ND(1.7)	ND(120)	ND(150)	ND(2.1)	ND(2.3)	ND(2.2)	ND(1.8)	ND(2.2)	ND(2)	ND(2.1)	ND(2.1)	ND(2)	ND(2)	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	ND(2.5)	ND(2)	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	ND(1.7)	ND(120)	ND(150)	ND(2.1)	ND(2.3)	ND(2.2)	ND(1.8)	ND(2.2)	ND(2)	ND(2.1)	ND(2.1)	ND(2)	ND(2)	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	ND(2.5)	ND(2)	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	2.1	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	25	ND(120)	**240**	ND(2.1)	ND(2.3)	ND(2.2)	ND(1.8)	ND(2.2)	ND(2)	ND(2.1)	ND(2.1)	ND(2)	2.1	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(6.2)	ND(6.2)	ND(5.6)	ND(4.3)	ND(6.2)	ND(5.1)	ND(4.8)	ND(5.1)	ND(5.4)	ND(5.2)	ND(4.2)	ND(4.1)	ND(4.8)	ND(4.9)	ND(4)	ND(4.2)	ND(290)	ND(380)	ND(5.2)	ND(5.7)	ND(5.6)	ND(4.4)	ND(5.5)	ND(5)	ND(5.3)	ND(5.4)	ND(5)	ND(4.9)	ND(4.7)	ND(5.1)	ND(6.3)	ND(6.5)	ND(5.7)	ND(4.7)	ND(4.4)	ND(5)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	ND(2.5)	ND(2)	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	2.8	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	6.5	ND(120)	ND(150)	ND(2.1)	ND(2.3)	ND(2.2)	ND(1.8)	ND(2.2)	ND(2)	ND(2.1)	ND(2.1)	ND(2)	ND(2)	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(6.2)	ND(6.2)	ND(5.6)	ND(4.3)	ND(6.2)	ND(5.1)	ND(4.8)	ND(5.1)	ND(5.4)	ND(5.2)	ND(4.2)	ND(4.1)	ND(4.8)	ND(4.9)	ND(4)	ND(4.2)	ND(290)	ND(380)	ND(5.2)	ND(5.7)	ND(5.6)	ND(4.4)	ND(5.5)	ND(5)	ND(5.3)	ND(5.4)	ND(5)	ND(4.9)	ND(4.7)	ND(5.1)	ND(6.3)	ND(6.5)	ND(5.7)	ND(4.7)	ND(4.4)	ND(5)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	ND(25)	ND(25)	ND(22)	ND(17)	ND(25)	ND(20)	ND(19)	ND(20)	ND(21)	ND(21)	ND(17)	ND(16)	ND(19)	ND(19)	ND(16)	ND(17)	ND(1,200)	ND(1,500)	ND(21)	ND(23)	ND(22)	ND(18)	ND(22)	ND(20)	ND(21)	ND(21)	ND(20)	ND(20)	ND(19)	ND(20)	ND(25)	ND(26)	ND(23)	ND(19)	ND(17)	ND(20)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(25)	ND(25)	ND(22)	ND(17)	ND(25)	ND(20)	ND(19)	ND(20)	ND(21)	ND(21)	ND(17)	ND(16)	ND(19)	ND(19)	ND(16)	ND(17)	ND(1,200)	ND(1,500)	ND(21)	ND(23)	ND(22)	ND(18)	ND(22)	ND(20)	ND(21)	ND(21)	ND(20)	ND(20)	ND(19)	ND(20)	ND(25)	ND(26)	ND(23)	ND(19)	ND(17)	ND(20)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(25)	ND(25)	ND(22)	ND(17)	ND(25)	ND(20)	ND(19)	ND(20)	ND(21)	ND(21)	ND(17)	ND(16)	ND(19)	ND(19)	ND(16)	ND(17)	ND(1,200)	ND(1,500)	ND(21)	ND(23)	ND(22)	ND(18)	ND(22)	ND(20)	ND(21)	ND(21)	ND(20)	ND(20)	ND(19)	ND(20)	ND(25)	ND(26)	ND(23)	ND(19)	ND(17)	ND(20)
Acetone	500	500	500	500	500	µg/kg	ND(62)	ND(62)	ND(56)	ND(43)	ND(62)	ND(51)	ND(48)	ND(51)	ND(54)	ND(52)	ND(42)	ND(41)	ND(48)	69	ND(40)	ND(42)	ND(2,900)	ND(3,800)	120	ND(57)	ND(56)	ND(44)	ND(55)	ND(50)	ND(53)	ND(54)	ND(50)	ND(49)	ND(47)	ND(51)	ND(63)	ND(65)	ND(57)	ND(47)	ND(44)	72
Benzene	22	13	5	3	1	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	2.9	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	1.3	6.5	**150**	**450**	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	1.4	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Bromobenzene	440	260	100	60	20	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	ND(2.5)	ND(2)	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	ND(1.7)	ND(120)	ND(150)	ND(2.1)	ND(2.3)	ND(2.2)	ND(1.8)	ND(2.2)	ND(2)	ND(2.1)	ND(2.1)	ND(2)	ND(2)	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(6.2)	ND(6.2)	ND(5.6)	ND(4.3)	ND(6.2)	ND(5.1)	ND(4.8)	ND(5.1)	ND(5.4)	ND(5.2)	ND(4.2)	ND(4.1)	ND(4.8)	ND(4.9)	ND(4)	ND(4.2)	ND(290)	ND(380)	ND(5.2)	ND(5.7)	ND(5.6)	ND(4.4)	ND(5.5)	ND(5)	ND(5.3)	ND(5.4)	ND(5)	ND(4.9)	ND(4.7)	ND(5.1)	ND(6.3)	ND(6.5)	ND(5.7)	ND(4.7)	ND(4.4)	ND(5)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(25)	ND(25)	ND(22)	ND(17)	ND(25)	ND(20)	ND(19)	ND(20)	ND(21)	ND(21)	ND(17)	ND(16)	ND(19)	ND(19)	ND(16)	ND(17)	ND(1,200)	ND(1,500)	ND(21)	ND(23)	ND(22)	ND(18)	ND(22)	ND(20)	ND(21)	ND(21)	ND(20)	ND(20)	ND(19)	ND(20)	ND(25)	ND(26)	ND(23)	ND(19)	ND(17)	ND(20)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(12)	ND(12)	ND(11)	ND(8.6)	ND(12)	ND(10)	ND(9.5)	ND(10)	ND(11)	ND(10)	ND(8.3)	ND(8.1)	ND(9.5)	ND(9.7)	ND(7.9)	ND(8.5)	ND(580)	ND(760)	ND(10)	ND(11)	ND(11)	ND(8.8)	ND(11)	ND(10)	ND(11)	ND(11)	ND(10)	ND(9.8)	ND(9.5)	ND(10)	ND(13)	ND(13)	ND(11)	ND(9.3)	ND(8.7)	ND(9.9)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Chloroethane	850	850	850	850	850	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	ND(2.5)	ND(2)	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	ND(1.7)	ND(120)	ND(150)	ND(2.1)	ND(2.3)	ND(2.2)	ND(1.8)	ND(2.2)	ND(2)	ND(2.1)	ND(2.1)	ND(2)	ND(2)	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(25)	ND(25)	ND(22)	ND(17)	ND(25)	ND(20)	ND(19)	ND(20)	ND(21)	ND(21)	ND(17)	ND(16)	ND(19)	ND(19)	ND(16)	ND(17)	ND(1,200)	ND(1,500)	ND(21)	ND(23)	ND(22)	ND(18)	ND(22)	ND(20)	ND(21)	ND(21)	ND(20)	ND(20)	ND(19)	ND(20)	ND(25)	ND(26)	ND(23)	ND(19)	ND(17)	ND(20)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	ND(2.5)	ND(2)	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	ND(1.7)	ND(120)	ND(150)	ND(2.1)	ND(2.3)	ND(2.2)	ND(1.8)	ND(2.2)	ND(2)	ND(2.1)	ND(2.1)	ND(2)	ND(2)	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	ND(2.5)	ND(2)	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	ND(1.7)	ND(120)	ND(150)	ND(2.1)	ND(2.3)	ND(2.2)	ND(1.8)	ND(2.2)	ND(2)	ND(2.1)	ND(2.1)	ND(2)	ND(2)	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(620)	ND(620)	ND(560)	ND(430)	ND(620)	ND(510)	ND(480)	ND(510)	ND(540)	ND(520)	ND(420)	ND(410)	ND(480)	ND(490)	ND(400)	ND(420)	ND(29,000)	ND(38,000)	ND(520)	ND(570)	ND(560)	ND(440)	ND(550)	ND(500)	ND(530)	ND(540)	ND(500)	ND(490)	ND(470)	ND(510)	ND(630)	ND(650)	ND(570)	ND(470)	ND(440)	ND(500)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	2.9	ND(58)	120	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	1.8	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Methylene Chloride	77	65	25	15	5	µg/kg	ND(12)	ND(12)	ND(11)	ND(8.6)	ND(12)	ND(10)	ND(9.5)	ND(10)	ND(11)	ND(10)	ND(8.3)	ND(8.1)	ND(9.5)	ND(9.7)	ND(7.9)	ND(8.5)	ND(580)	ND(760)	ND(10)	ND(11)	ND(11)	ND(8.8)	ND(11)	ND(10)	ND(11)	ND(11)	ND(10)	ND(9.8)	ND(9.5)	ND(10)	ND(13)	ND(13)	ND(11)	ND(9.3)	ND(8.7)	ND(9.9)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	8	7.4	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	**39**	**140**	**790**	ND(2.1)	ND(2.3)	ND(2.2)	**37**	23	ND(2)	ND(2.1)	ND(2.1)	ND(2)	ND(2)	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	ND(12)	ND(12)	ND(11)	ND(8.6)	ND(12)	ND(10)	ND(9.5)	ND(10)	ND(11)	ND(10)	ND(8.3)	ND(8.1)	ND(9.5)	ND(9.7)	ND(7.9)	**11**	ND(580)	ND(760)	ND(10)	ND(11)	ND(11)	ND(8.8)	ND(11)	ND(10)	ND(11)	ND(11)	ND(10)	ND(9.8)	ND(9.5)	ND(10)	ND(13)	ND(13)	ND(11)	ND(9.3)	ND(8.7)	ND(9.9)
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	1.4	ND(1)	2.5	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	4.7	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	2.4	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	4.2	ND(58)	ND(76)	ND(2.1)	ND(2.3)	ND(2.2)	ND(1.8)	ND(2.2)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	20	120	190	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	ND(2.5)	ND(2)	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	45	260	380	ND(2.1)	ND(2.3)	ND(2.2)	ND(1.8)	ND(2.2)	ND(2)	ND(2.1)	ND(2.1)	ND(2)	ND(2)	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	0.92	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	1.9	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	1.9	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	3.4	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Styrene	1,500	1,300	500	300	100	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	ND(2.5)	ND(2)	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	ND(1.7)	ND(120)	ND(150)	ND(2.1)	ND(2.3)	ND(2.2)	ND(1.8)	ND(2.2)	ND(2)	ND(2.1)	ND(2.1)	ND(2)	ND(2)	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(25)	ND(25)	ND(22)	ND(17)	ND(25)	ND(20)	ND(19)	ND(20)	ND(21)	ND(21)	ND(17)	ND(16)	ND(19)	ND(19)	ND(16)	ND(17)	ND(1,200)	ND(1,500)	ND(21)	54	46	28	ND(22)	ND(20)	ND(21)	ND(21)	ND(20)	ND(20)	ND(19)	ND(20)	ND(25)	ND(26)	ND(23)	ND(19)	ND(17)	ND(20)
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Toluene	2,900	1,950	750	450	150	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	1.7	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	7	310	500	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Trichloroethene	110	65	25	15	5	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	ND(2.5)	ND(2)	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	ND(1.7)	ND(120)	ND(150)	ND(2.1)	ND(2.3)	ND(2.2)	ND(1.8)	ND(2.2)	ND(2)	ND(2.1)	ND(2.1)	ND(2)	ND(2)	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(12)	ND(12)	ND(11)	ND(8.6)	ND(12)	ND(10)	ND(9.5)	ND(10)	ND(11)	ND(10)	ND(8.3)	ND(8.1)	ND(9.5)	ND(9.7)	ND(7.9)	ND(8.5)	ND(580)	ND(760)	ND(10)	ND(11)	ND(11)	ND(8.8)	ND(11)	ND(10)	ND(11)	ND(11)	ND(10)	ND(9.8)	ND(9.5)	ND(10)	ND(13)	ND(13)	ND(11)	ND(9.3)	ND(8.7)	ND(9.9)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(12)	ND(12)	ND(11)	ND(8.6)	ND(12)	ND(10)	ND(9.5)	ND(10)	ND(11)	ND(10)	ND(8.3)	ND(8.1)	ND(9.5)	ND(9.7)	ND(7.9)	ND(8.5)	ND(580)	ND(760)	ND(10)	ND(11)	ND(11)	ND(8.8)	ND(11)	ND(10)	ND(11)	ND(11)	ND(10)	ND(9.8)	ND(9.5)	ND(10)	ND(13)	ND(13)	ND(11)	ND(9.3)	ND(8.7)	ND(9.9)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.86)	ND(1.2)	ND(1)	ND(0.95)	ND(1)	ND(1.1)	ND(1)	ND(0.83)	ND(0.81)	ND(0.95)	ND(0.97)	ND(0.79)	ND(0.85)	ND(58)	ND(76)	ND(1)	ND(1.1)	ND(1.1)	ND(0.88)	ND(1.1)	ND(1)	ND(1.1)	ND(1.1)	ND(1)	ND(0.98)	ND(0.95)	ND(1)	ND(1.3)	ND(1.3)	ND(1.1)	ND(0.93)	ND(0.87)	ND(0.99)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	ND(2.5)	ND(2.5)	ND(2.2)	ND(1.7)	ND(2.5)	ND(2)	ND(1.9)	ND(2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.6)	65	380	570	NA	NA	NA	NA	NA	ND(2)	ND(2.1)	ND(2.1)	ND(2)	ND(2)	ND(1.9)	ND(2)	ND(2.5)	ND(2.6)	ND(2.3)	ND(1.9)	ND(1.7)	ND(2)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting limits

µg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 36
VOC CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:							B274-30	B274-40	B275-5	B275-10	B275-20	B275-30	B275-40	B276-05
Approx. Depth[1] (feet bgs):							30	40	5	10	20	30	40	5
Date Collected:	CSLs by depth						01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	02/04/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B274	B274	B275	B275	B275	B275	B275	B276
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(9.8)	ND(13)	ND(9.7)	ND(8)	ND(11)	ND(7.8)	ND(9.1)	ND(14)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(4.9)	ND(6.7)	ND(4.9)	ND(4)	ND(5.7)	ND(3.9)	ND(4.6)	ND(6.8)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(4.9)	ND(6.7)	ND(4.9)	ND(4)	ND(5.7)	ND(3.9)	ND(4.6)	ND(6.8)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	ND(20)	ND(27)	ND(19)	ND(16)	ND(23)	ND(16)	ND(18)	35
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(20)	ND(27)	ND(19)	ND(16)	ND(23)	ND(16)	ND(18)	ND(27)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(20)	ND(27)	ND(19)	ND(16)	ND(23)	ND(16)	ND(18)	ND(27)
Acetone	500	500	500	500	500	µg/kg	ND(49)	ND(67)	ND(49)	ND(40)	ND(57)	ND(39)	ND(46)	270
Benzene	22	13	5	3	1	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Bromobenzene	440	260	100	60	20	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(4.9)	ND(6.7)	ND(4.9)	ND(4)	ND(5.7)	ND(3.9)	ND(4.6)	ND(6.8)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(20)	ND(27)	ND(19)	ND(16)	ND(23)	ND(16)	ND(18)	ND(27)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(9.8)	ND(13)	ND(9.7)	ND(8)	ND(11)	ND(7.8)	ND(9.1)	ND(14)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Chloroethane	850	850	850	850	850	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(20)	ND(27)	ND(19)	ND(16)	ND(23)	ND(16)	ND(18)	ND(27)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(490)	ND(670)	ND(490)	ND(400)	ND(570)	ND(390)	ND(460)	ND(680)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Methylene Chloride	77	65	25	15	5	µg/kg	ND(9.8)	ND(13)	ND(9.7)	ND(8)	ND(11)	ND(7.8)	ND(9.1)	ND(14)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	ND(9.8)	ND(13)	ND(9.7)	ND(8)	ND(11)	ND(7.8)	ND(9.1)	ND(14)
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Styrene	1,500	1,300	500	300	100	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(20)	ND(27)	ND(19)	ND(16)	ND(23)	ND(16)	ND(18)	ND(27)
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Toluene	2,900	1,950	750	450	150	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Trichloroethene	110	65	25	15	5	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(9.8)	ND(13)	ND(9.7)	ND(8)	ND(11)	ND(7.8)	ND(9.1)	ND(14)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(9.8)	ND(13)	ND(9.7)	ND(8)	ND(11)	ND(7.8)	ND(9.1)	ND(14)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(0.98)	ND(1.3)	ND(0.97)	ND(0.8)	ND(1.1)	ND(0.78)	ND(0.91)	ND(1.4)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	ND(2)	ND(2.7)	ND(1.9)	ND(1.6)	ND(2.3)	ND(1.6)	ND(1.8)	ND(2.7)

Sample ID:	B276-10	B276-20	B276-30	B276-40	B277-5	B277-10	B277-20	B277-30	B277-40	B278-5	B278-10	B278-20
Approx. Depth[1] (feet bgs):	10	20	30	40	5	10	20	30	40	5	10	20
Date Collected:	02/04/08	02/04/08	02/04/08	02/04/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08
Location ID:	B276	B276	B276	B276	B277	B277	B277	B277	B277	B278	B278	B278
1,1,1,2-Tetrachloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
1,1,1-Trichloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
1,1,2,2-Tetrachloroethane	ND(2.3)	ND(2.2)	ND(2.2)	ND(1.9)	ND(84)	ND(1.9)	ND(1.8)	ND(1.7)	ND(98)	ND(430)	ND(91)	ND(120)
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND(11)	ND(11)	ND(11)	ND(9.5)	ND(420)	ND(9.6)	ND(8.9)	ND(8.6)	ND(490)	ND(2,200)	ND(450)	ND(590)
1,1,2-Trichloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
1,1-Dichloroethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
1,1-Dichloroethene	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
1,1-Dichloropropene	ND(2.3)	ND(2.2)	ND(2.2)	ND(1.9)	ND(84)	ND(1.9)	ND(1.8)	ND(1.7)	ND(98)	ND(430)	ND(91)	ND(120)
1,2,3-Trichlorobenzene	ND(2.3)	ND(2.2)	ND(2.2)	ND(1.9)	ND(84)	ND(1.9)	ND(1.8)	ND(1.7)	ND(98)	ND(430)	ND(91)	ND(120)
1,2,3-Trichloropropane	ND(2.3)	ND(2.2)	ND(2.2)	ND(1.9)	ND(84)	ND(1.9)	ND(1.8)	ND(1.7)	ND(98)	ND(430)	ND(91)	ND(120)
1,2,4-Trichlorobenzene	ND(2.3)	ND(2.2)	ND(2.2)	ND(1.9)	ND(84)	ND(1.9)	ND(1.8)	ND(1.7)	ND(98)	ND(430)	ND(91)	ND(120)
1,2,4-Trimethylbenzene	ND(2.3)	13	6	ND(1.9)	ND(84)	ND(1.9)	ND(1.8)	ND(1.7)	ND(98)	**920**	ND(91)	ND(120)
1,2-Dibromo-3-Chloropropane	ND(5.7)	ND(5.4)	ND(5.4)	ND(4.7)	ND(210)	ND(4.8)	ND(4.4)	ND(4.3)	ND(250)	ND(1,100)	ND(230)	ND(300)
1,2-Dibromoethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
1,2-Dichlorobenzene	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
1,2-Dichloroethane	ND(1.1)	ND(1.1)	**13**	**9.2**	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
1,2-Dichloropropane	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
1,3,5-Trimethylbenzene	ND(2.3)	2.4	ND(2.2)	ND(1.9)	ND(84)	ND(1.9)	ND(1.8)	ND(1.7)	ND(98)	ND(430)	ND(91)	ND(120)
1,3-Dichlorobenzene	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
1,3-Dichloropropane	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
1,4-Dichlorobenzene	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
2,2-Dichloropropane	ND(5.7)	ND(5.4)	ND(5.4)	ND(4.7)	ND(210)	ND(4.8)	ND(4.4)	ND(4.3)	ND(250)	ND(1,100)	ND(230)	ND(300)
2-Butanone	27	ND(22)	ND(920)	ND(19)	ND(840)	ND(19)	ND(18)	44	ND(980)	ND(4,300)	ND(910)	ND(1,200)
2-Chlorotoluene	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
2-Hexanone	ND(23)	ND(22)	ND(22)	ND(19)	ND(840)	ND(19)	ND(18)	ND(17)	ND(980)	ND(4,300)	ND(910)	ND(1,200)
4-Chlorotoluene	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
4-Methyl-2-Pentanone	ND(23)	ND(22)	ND(22)	ND(19)	ND(840)	ND(19)	ND(18)	ND(17)	ND(980)	ND(4,300)	ND(910)	ND(1,200)
Acetone	61	ND(54)	ND(2,300)	ND(47)	ND(2,100)	ND(48)	ND(44)	120	ND(2,500)	ND(11,000)	ND(2,300)	ND(3,000)
Benzene	**64**	2.1	**52**	**5.9**	ND(42)	3.4	3.1	**89**	**250**	**610**	**69**	**78**
Bromobenzene	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	1.3	ND(49)	ND(220)	ND(45)	ND(59)
Bromochloromethane	ND(2.3)	ND(2.2)	ND(2.2)	ND(1.9)	ND(84)	ND(1.9)	ND(1.8)	ND(1.7)	ND(98)	ND(430)	ND(91)	ND(120)
Bromodichloromethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
Bromoform	ND(5.7)	ND(5.4)	6.7	ND(4.7)	ND(210)	ND(4.8)	ND(4.4)	9.4	ND(250)	ND(1,100)	ND(230)	ND(300)
Bromomethane	ND(23)	ND(22)	ND(22)	ND(19)	ND(840)	ND(19)	ND(18)	ND(17)	ND(980)	ND(4,300)	ND(910)	ND(1,200)
c-1,2-Dichloroethene	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
c-1,3-Dichloropropene	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
Carbon Disulfide	ND(11)	ND(11)	ND(11)	ND(9.5)	ND(420)	ND(9.6)	ND(8.9)	ND(8.6)	ND(490)	ND(2,200)	ND(450)	ND(590)
Carbon Tetrachloride	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
Chlorobenzene	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
Chloroethane	ND(2.3)	ND(2.2)	ND(2.2)	ND(1.9)	ND(84)	ND(1.9)	ND(1.8)	ND(1.7)	ND(98)	ND(430)	ND(91)	ND(120)
Chloroform	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
Chloromethane	ND(23)	ND(22)	ND(22)	ND(19)	ND(840)	ND(19)	ND(18)	ND(17)	ND(980)	ND(4,300)	ND(910)	ND(1,200)
Dibromochloromethane	ND(2.3)	ND(2.2)	ND(2.2)	ND(1.9)	ND(84)	ND(1.9)	ND(1.8)	ND(1.7)	ND(98)	ND(430)	ND(91)	ND(120)
Dibromomethane	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
Dichlorodifluoromethane	ND(2.3)	ND(2.2)	ND(2.2)	ND(1.9)	ND(84)	ND(1.9)	ND(1.8)	ND(1.7)	ND(98)	ND(430)	ND(91)	ND(120)
Diisopropyl Ether (DIPE)	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
Ethanol	ND(570)	ND(540)	ND(540)	ND(470)	ND(21,000)	ND(480)	ND(440)	ND(430)	ND(25,000)	ND(110,000)	ND(23,000)	ND(30,000)
Ethylbenzene	3.5	2	11	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
Ethyl tert-Butyl Ether (ETBE)	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
Isopropylbenzene	ND(1.1)	ND(1.1)	1.4	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	230	ND(45)	62
Methylene Chloride	ND(11)	ND(11)	ND(11)	ND(9.5)	ND(420)	ND(9.6)	ND(8.9)	ND(8.6)	ND(490)	ND(2,200)	ND(450)	ND(590)
Methyl tert-Butyl Ether (MTBE)	3.6	3.4	6.7	5.4	ND(84)	**28**	**38**	7.4	ND(98)	ND(430)	ND(91)	ND(120)
Naphthalene	**13**	ND(11)	ND(11)	ND(9.5)	ND(420)	ND(9.6)	ND(8.9)	ND(8.6)	ND(490)	**7,000**	ND(450)	**3,200**
n-Butylbenzene	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	480 J	73 J	540 J
n-Propylbenzene	ND(1.1)	1.4	3	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	400	ND(45)	95
o-Xylene	1.9	1.6	3.1	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
p/m-Xylenes	4.9	6.6	16	ND(1.9)	ND(84)	ND(1.9)	ND(1.8)	ND(1.7)	ND(98)	ND(430)	ND(91)	ND(120)
p-Isopropyltoluene	ND(1.1)	1.6	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	410	ND(45)	280
sec-Butylbenzene	ND(1.1)	1.1	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	470	ND(45)	160
Styrene	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
t-1,2-Dichloroethene	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
t-1,3-Dichloropropene	ND(2.3)	ND(2.2)	ND(2.2)	ND(1.9)	ND(84)	ND(1.9)	ND(1.8)	ND(1.7)	ND(98)	ND(430)	ND(91)	ND(120)
Tert-Amyl-Methyl Ether (TAME)	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
Tert-Butyl Alcohol (TBA)	61	32	**89**	**91**	ND(840)	44	37	29	ND(980)	ND(4,300)	ND(910)	ND(1,200)
tert-Butylbenzene	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
Tetrachloroethene	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
Toluene	36	ND(1.1)	1.1	ND(0.95)	ND(42)	1.4	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
Trichloroethene	ND(2.3)	ND(2.2)	ND(2.2)	ND(1.9)	ND(84)	ND(1.9)	ND(1.8)	ND(1.7)	ND(98)	ND(430)	ND(91)	ND(120)
Trichlorofluoromethane	ND(11)	ND(11)	ND(11)	ND(9.5)	ND(420)	ND(9.6)	ND(8.9)	ND(8.6)	ND(490)	ND(2,200)	ND(450)	ND(590)
Vinyl Acetate	ND(11)	ND(11)	ND(11)	ND(9.5)	ND(420)	ND(9.6)	ND(8.9)	ND(8.6)	ND(490)	ND(2,200)	ND(450)	ND(590)
Vinyl Chloride	ND(1.1)	ND(1.1)	ND(1.1)	ND(0.95)	ND(42)	ND(0.96)	ND(0.89)	ND(0.86)	ND(49)	ND(220)	ND(45)	ND(59)
Xylenes, total	6.8	8.2	19.1	ND(1.9)	ND(84)	ND(1.9)	ND(1.8)	ND(1.7)	ND(98)	ND(430)	ND(91)	ND(120)

Sample ID:	B278-30	B278-40	B279-5	B279-10	B279-20	B279-30	B279-40	B280-5	B280-10	B280-20	B280-30	B280-40	B281-5
Approx. Depth[1] (feet bgs):	30	40	5	10	20	30	40	5	10	20	30	40	5
Date Collected:	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/14/08
Location ID:	B278	B278	B279	B279	B279	B279	B279	B280	B280	B280	B280	B280	B281
1,1,1,2-Tetrachloroethane	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
1,1,1-Trichloroethane	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
1,1,2,2-Tetrachloroethane	ND(510)	ND(89)	ND(120)	ND(89)	ND(2.4)	ND(1.9)	ND(1.7)	ND(100)	ND(92)	ND(2.1)	ND(93)	ND(1,100)	ND(1.6)
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND(2,500)	ND(450)	ND(610)	ND(450)	ND(12)	ND(9.5)	ND(8.4)	ND(510)	ND(460)	ND(11)	ND(460)	ND(5,500)	ND(7.8)
1,1,2-Trichloroethane	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
1,1-Dichloroethane	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
1,1-Dichloroethene	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
1,1-Dichloropropene	ND(510)	ND(89)	ND(120)	ND(89)	ND(2.4)	ND(1.9)	ND(1.7)	ND(100)	ND(92)	ND(2.1)	ND(93)	ND(1,100)	ND(1.6)
1,2,3-Trichlorobenzene	ND(510)	ND(89)	ND(120)	ND(89)	ND(2.4)	ND(1.9)	ND(1.7)	ND(100)	ND(92)	ND(2.1)	ND(93)	ND(1,100)	ND(1.6)
1,2,3-Trichloropropane	ND(510)	ND(89)	ND(120)	ND(89)	ND(2.4)	ND(1.9)	ND(1.7)	ND(100)	ND(92)	ND(2.1)	ND(93)	ND(1,100)	ND(1.6)
1,2,4-Trichlorobenzene	ND(510)	ND(89)	ND(120)	ND(89)	ND(2.4)	ND(1.9)	ND(1.7)	ND(100)	ND(92)	ND(2.1)	ND(93)	ND(1,100)	ND(1.6)
1,2,4-Trimethylbenzene	**2,300**	**110**	**740**	**420**	ND(2.4)	20	ND(1.7)	ND(100)	ND(92)	ND(2.1)	**1,200**	**1,200**	ND(1.6)
1,2-Dibromo-3-Chloropropane	ND(1,300)	ND(220)	ND(310)	ND(220)	ND(6)	ND(4.8)	ND(4.2)	ND(250)	ND(230)	ND(5.3)	ND(230)	ND(2,700)	ND(3.9)
1,2-Dibromoethane	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
1,2-Dichlorobenzene	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
1,2-Dichloroethane	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	1.9	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
1,2-Dichloropropane	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
1,3,5-Trimethylbenzene	**660**	ND(89)	**510**	**250**	ND(2.4)	8.2	ND(1.7)	ND(100)	ND(92)	ND(2.1)	**1,200**	ND(1,100)	ND(1.6)
1,3-Dichlorobenzene	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
1,3-Dichloropropane	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
1,4-Dichlorobenzene	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
2,2-Dichloropropane	ND(1,300)	ND(220)	ND(310)	ND(220)	ND(6)	ND(4.8)	ND(4.2)	ND(250)	ND(230)	ND(5.3)	ND(230)	ND(2,700)	ND(3.9)
2-Butanone	ND(5,100)	ND(890)	ND(1,200)	ND(890)	ND(24)	ND(19)	ND(17)	ND(1,000)	ND(920)	ND(21)	ND(930)	ND(11,000)	19
2-Chlorotoluene	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
2-Hexanone	ND(5,100)	ND(890)	ND(1,200)	ND(890)	ND(24)	ND(19)	ND(17)	ND(1,000)	ND(920)	ND(21)	ND(930)	ND(11,000)	ND(16)
4-Chlorotoluene	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
4-Methyl-2-Pentanone	ND(5,100)	ND(890)	ND(1,200)	ND(890)	ND(24)	ND(19)	ND(17)	ND(1,000)	ND(920)	ND(21)	ND(930)	ND(11,000)	ND(16)
Acetone	ND(13,000)	ND(2,200)	ND(3,100)	ND(2,200)	ND(60)	ND(48)	ND(42)	ND(2,500)	ND(2,300)	ND(53)	ND(2,300)	ND(27,000)	52
Benzene	**570**	**46**	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	**170**	**1,000**	ND(0.78)
Bromobenzene	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
Bromochloromethane	ND(510)	ND(89)	ND(120)	ND(89)	ND(2.4)	ND(1.9)	ND(1.7)	ND(100)	ND(92)	ND(2.1)	ND(93)	ND(1,100)	ND(1.6)
Bromodichloromethane	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
Bromoform	ND(1,300)	ND(220)	ND(310)	ND(220)	ND(6)	ND(4.8)	ND(4.2)	ND(250)	ND(230)	ND(5.3)	ND(230)	ND(2,700)	ND(3.9)
Bromomethane	ND(5,100)	ND(890)	ND(1,200)	ND(890)	ND(24)	ND(19)	ND(17)	ND(1,000)	ND(920)	ND(21)	ND(930)	ND(11,000)	ND(16)
c-1,2-Dichloroethene	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
c-1,3-Dichloropropene	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
Carbon Disulfide	ND(2,500)	ND(450)	ND(610)	ND(450)	ND(12)	ND(9.5)	ND(8.4)	ND(510)	ND(460)	ND(11)	ND(460)	ND(5,500)	ND(7.8)
Carbon Tetrachloride	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
Chlorobenzene	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
Chloroethane	ND(510)	ND(89)	ND(120)	ND(89)	ND(2.4)	ND(1.9)	ND(1.7)	ND(100)	ND(92)	ND(2.1)	ND(93)	ND(1,100)	ND(1.6)
Chloroform	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
Chloromethane	ND(5,100)	ND(890)	ND(1,200)	ND(890)	ND(24)	ND(19)	ND(17)	ND(1,000)	ND(920)	ND(21)	ND(930)	ND(11,000)	ND(16)
Dibromochloromethane	ND(510)	ND(89)	ND(120)	ND(89)	ND(2.4)	ND(1.9)	ND(1.7)	ND(100)	ND(92)	ND(2.1)	ND(93)	ND(1,100)	ND(1.6)
Dibromomethane	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
Dichlorodifluoromethane	ND(510)	ND(89)	ND(120)	ND(89)	ND(2.4)	ND(1.9)	ND(1.7)	ND(100)	ND(92)	ND(2.1)	ND(93)	ND(1,100)	ND(1.6)
Diisopropyl Ether (DIPE)	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
Ethanol	ND(130,000)	ND(22,000)	ND(31,000)	ND(22,000)	ND(600)	ND(480)	ND(420)	ND(25,000)	ND(23,000)	ND(530)	ND(23,000)	ND(270,000)	ND(390)
Ethylbenzene	ND(250)	ND(45)	400	170	ND(1.2)	3.3	ND(0.84)	ND(51)	290	ND(1.1)	450	960	ND(0.78)
Ethyl tert-Butyl Ether (ETBE)	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
Isopropylbenzene	ND(250)	ND(45)	170	68	ND(1.2)	8.2	ND(0.84)	ND(51)	73	ND(1.1)	1,200	ND(550)	ND(0.78)
Methylene Chloride	ND(2,500)	ND(450)	ND(710 B)	ND(450)	ND(12)	ND(9.5)	ND(8.4)	ND(510)	ND(460)	ND(11)	ND(460)	ND(5,500)	ND(7.8)
Methyl tert-Butyl Ether (MTBE)	ND(510)	ND(89)	ND(120)	ND(89)	13	ND(1.9)	**39**	ND(100)	ND(92)	ND(2.1)	ND(93)	ND(1,100)	ND(1.6)
Naphthalene	**9,500**	**670**	**890**	**640**	ND(12)	**60**	ND(8.4)	ND(510)	ND(460)	ND(11)	**45,000 D**	**19,000**	ND(7.8)
n-Butylbenzene	800 J	47 J	ND(61)	88 J	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	73 J	ND(1.1)	910 J	1,400 J	ND(0.78)
n-Propylbenzene	ND(250)	ND(45)	240	100	ND(1.2)	2.3	ND(0.84)	ND(51)	99	ND(1.1)	420	580	ND(0.78)
o-Xylene	ND(250)	ND(45)	110	46	ND(1.2)	2.3	ND(0.84)	ND(51)	ND(46)	ND(1.1)	95	ND(550)	ND(0.78)
p/m-Xylenes	ND(510)	ND(89)	380	180	ND(2.4)	6.1	ND(1.7)	ND(100)	ND(92)	ND(2.1)	280	ND(1,100)	ND(1.6)
p-Isopropyltoluene	320	ND(45)	100	52	ND(1.2)	2.1	ND(0.84)	ND(51)	ND(46)	ND(1.1)	440	660	ND(0.78)
sec-Butylbenzene	ND(250)	ND(45)	170	76	ND(1.2)	2.3	ND(0.84)	ND(51)	92	ND(1.1)	270	ND(550)	ND(0.78)
Styrene	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
t-1,2-Dichloroethene	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
t-1,3-Dichloropropene	ND(510)	ND(89)	ND(120)	ND(89)	ND(2.4)	ND(1.9)	ND(1.7)	ND(100)	ND(92)	ND(2.1)	ND(93)	ND(1,100)	ND(1.6)
Tert-Amyl-Methyl Ether (TAME)	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
Tert-Butyl Alcohol (TBA)	ND(5,100)	ND(890)	ND(1,200)	ND(890)	ND(24)	ND(19)	**85**	ND(1,000)	ND(920)	ND(21)	ND(930)	ND(11,000)	ND(16)
tert-Butylbenzene	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
Tetrachloroethene	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
Toluene	ND(250)	ND(45)	210	94	ND(1.2)	3.3	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
Trichloroethene	ND(510)	ND(89)	ND(120)	ND(89)	ND(2.4)	ND(1.9)	ND(1.7)	ND(100)	ND(92)	ND(2.1)	ND(93)	ND(1,100)	ND(1.6)
Trichlorofluoromethane	ND(2,500)	ND(450)	ND(610)	ND(450)	ND(12)	ND(9.5)	ND(8.4)	ND(510)	ND(460)	ND(11)	ND(460)	ND(5,500)	ND(7.8)
Vinyl Acetate	ND(2,500)	ND(450)	ND(610)	ND(450)	ND(12)	ND(9.5)	ND(8.4)	ND(510)	ND(460)	ND(11)	ND(460)	ND(5,500)	ND(7.8)
Vinyl Chloride	ND(250)	ND(45)	ND(61)	ND(45)	ND(1.2)	ND(0.95)	ND(0.84)	ND(51)	ND(46)	ND(1.1)	ND(46)	ND(550)	ND(0.78)
Xylenes, total	ND(510)	ND(89)	490	226	ND(2.4)	8.4	ND(1.7)	ND(100)	ND(92)	ND(2.1)	375	ND(1,100)	ND(1.6)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting limits

µg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 36
VOC CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:							B281-10	B281-20	B281-30	B281-40	B282-05	B282-10	B282-20	B282-30	B282-40	B283-05	B283-10	B283-20	B283-30	B283-40
Approx. Depth[1] (feet bgs):							10	20	30	40	5	10	20	30	40	5	10	20	30	40
Date Collected:			CSLs by depth				01/14/08	01/14/08	01/14/08	01/14/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B281	B281	B281	B281	B282	B282	B282	B282	B282	B283	B283	B283	B283	B283
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(2)	ND(110)	ND(2)	ND(1,000)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2)	ND(1.8)	ND(170)	ND(2.2)	ND(2.3)	ND(1.8)	ND(2.5)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(10)	ND(540)	ND(9.9)	ND(5,000)	ND(10)	ND(10)	ND(11)	ND(10)	ND(9)	ND(860)	ND(11)	ND(11)	ND(9.2)	ND(13)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(110)	ND(2)	ND(1,000)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2)	ND(1.8)	ND(170)	ND(2.2)	ND(2.3)	ND(1.8)	ND(2.5)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(110)	ND(2)	ND(1,000)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2)	ND(1.8)	ND(170)	ND(2.2)	ND(2.3)	ND(1.8)	ND(2.5)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(2)	ND(110)	ND(2)	ND(1,000)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2)	ND(1.8)	ND(170)	ND(2.2)	ND(2.3)	ND(1.8)	ND(2.5)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(2)	ND(110)	ND(2)	ND(1,000)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2)	ND(1.8)	ND(170)	ND(2.2)	ND(2.3)	ND(1.8)	ND(2.5)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	2.7	ND(110)	ND(2)	**6,500**	ND(2.1)	73	ND(2.2)	ND(2)	ND(1.8)	**17,000**	20	51	28	15
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(5.1)	ND(270)	ND(4.9)	ND(2,500)	ND(5.2)	ND(5.1)	ND(5.4)	ND(5.1)	ND(4.5)	ND(430)	ND(5.6)	ND(5.7)	ND(4.6)	ND(6.3)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	ND(2)	ND(110)	ND(2)	**1,900**	ND(2.1)	18	ND(2.2)	ND(2)	ND(1.8)	**6,700**	8	13	9.4	4.9
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(5.1)	ND(270)	ND(4.9)	ND(2,500)	ND(5.2)	ND(5.1)	ND(5.4)	ND(5.1)	ND(4.5)	ND(430)	ND(5.6)	ND(5.7)	ND(4.6)	ND(6.3)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	31	ND(1,100)	ND(20)	ND(10,000)	ND(21)	ND(21)	ND(22)	ND(20)	ND(18)	ND(1,700)	ND(22)	ND(23)	ND(18)	ND(25)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(20)	ND(1,100)	ND(20)	ND(10,000)	ND(21)	ND(21)	ND(22)	ND(20)	ND(18)	ND(1,700)	ND(22)	ND(23)	ND(18)	ND(25)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(20)	ND(1,100)	ND(20)	ND(10,000)	ND(21)	ND(21)	ND(22)	ND(20)	ND(18)	ND(1,700)	ND(22)	ND(23)	ND(18)	ND(25)
Acetone	500	500	500	500	500	µg/kg	58	ND(2,700)	ND(49)	ND(25,000)	ND(52)	ND(51)	ND(54)	ND(51)	ND(45)	ND(4,300)	ND(56)	ND(57)	ND(46)	ND(63)
Benzene	22	13	5	3	1	µg/kg	ND(1)	ND(54)	3.2	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	9.6	3.5	**51**	2.9
Bromobenzene	440	260	100	60	20	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(110)	ND(2)	ND(1,000)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2)	ND(1.8)	ND(170)	ND(2.2)	ND(2.3)	ND(1.8)	ND(2.5)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(5.1)	ND(270)	ND(4.9)	ND(2,500)	ND(5.2)	ND(5.1)	ND(5.4)	ND(5.1)	ND(4.5)	ND(430)	ND(5.6)	ND(5.7)	ND(4.6)	ND(6.3)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(20)	ND(1,100)	ND(20)	ND(10,000)	ND(21)	ND(21)	ND(22)	ND(20)	ND(18)	ND(1,700)	ND(22)	ND(23)	ND(18)	ND(25)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(10)	ND(540)	ND(9.9)	ND(5,000)	ND(10)	ND(10)	ND(11)	ND(10)	ND(9)	ND(860)	ND(11)	ND(11)	ND(9.2)	ND(13)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
Chloroethane	850	850	850	850	850	µg/kg	ND(2)	ND(110)	ND(2)	ND(1,000)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2)	ND(1.8)	ND(170)	ND(2.2)	ND(2.3)	ND(1.8)	ND(2.5)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(20)	ND(1,100)	ND(20)	ND(10,000)	ND(21)	ND(21)	ND(22)	ND(20)	ND(18)	ND(1,700)	ND(22)	ND(23)	ND(18)	ND(25)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(2)	ND(110)	ND(2)	ND(1,000)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2)	ND(1.8)	ND(170)	ND(2.2)	ND(2.3)	ND(1.8)	ND(2.5)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(2)	ND(110)	ND(2)	ND(1,000)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2)	ND(1.8)	ND(170)	ND(2.2)	ND(2.3)	ND(1.8)	ND(2.5)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(510)	ND(27,000)	ND(490)	ND(250,000)	ND(520)	ND(510)	ND(540)	ND(510)	ND(450)	ND(43,000)	ND(560)	ND(570)	ND(460)	ND(630)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	2.9	ND(54)	2.1	ND(500)	ND(1)	9	ND(1.1)	2.8	ND(0.9)	130	1.5	5.9	40	3.3
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	4.5	ND(54)	ND(0.99)	ND(500)	ND(1)	1.6	ND(1.1)	ND(1)	ND(0.9)	360	ND(1.1)	ND(1.1)	2.3	ND(1.3)
Methylene Chloride	77	65	25	15	5	µg/kg	ND(10)	ND(540)	ND(9.9)	ND(5,000)	ND(10)	ND(10)	ND(11)	ND(10)	ND(9)	ND(860)	ND(11)	ND(11)	ND(9.2)	ND(13)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	ND(2)	ND(110)	ND(2)	ND(1,000)	ND(2.1)	ND(2.1)	ND(2.2)	4.8	ND(1.8)	ND(170)	ND(2.2)	ND(2.3)	ND(1.8)	ND(2.5)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	**41**	**1,500**	**19**	**15,000**	ND(10)	**17**	ND(11)	**15**	ND(9)	**5,800**	**15**	**65**	ND(9.2)	ND(13)
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	20	110	ND(0.99)	1,400	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	5,700	11	9.2	2	2.4
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	9.9	ND(54)	ND(0.99)	570	ND(1)	7.6	ND(1.1)	2.1	ND(0.9)	1,800	2.4	3.6	5.1	ND(1.3)
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	1.8	ND(54)	ND(0.99)	ND(500)	ND(1)	4.2	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	8.6	ND(0.92)	ND(1.3)
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	2.5	ND(110)	ND(2)	ND(1,000)	ND(2.1)	12	ND(2.2)	ND(2)	ND(1.8)	410	ND(2.2)	22	27	9.9
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(54)	ND(0.99)	800	ND(1)	1.6	ND(1.1)	ND(1)	ND(0.9)	460	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	18	79	ND(0.99)	510	ND(1)	3.4	ND(1.1)	1.3	ND(0.9)	1,200	2.5	1.3	ND(0.92)	ND(1.3)
Styrene	1,500	1,300	500	300	100	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(110)	ND(2)	ND(1,000)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2)	ND(1.8)	ND(170)	ND(2.2)	ND(2.3)	ND(1.8)	ND(2.5)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(20)	ND(1,100)	ND(20)	ND(10,000)	26	ND(21)	ND(22)	21	ND(18)	ND(1,700)	**200**	**220**	**350**	**180**
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
Toluene	2,900	1,950	750	450	150	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	1.6	ND(0.92)	2.2
Trichloroethene	110	65	25	15	5	µg/kg	ND(2)	ND(110)	ND(2)	ND(1,000)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2)	ND(1.8)	ND(170)	ND(2.2)	ND(2.3)	ND(1.8)	ND(2.5)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(10)	ND(540)	ND(9.9)	ND(5,000)	ND(10)	ND(10)	ND(11)	ND(10)	ND(9)	ND(860)	ND(11)	ND(11)	ND(9.2)	ND(13)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(10)	ND(540)	ND(9.9)	ND(5,000)	ND(10)	ND(10)	ND(11)	ND(10)	ND(9)	ND(860)	ND(11)	ND(11)	ND(9.2)	ND(13)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(1)	ND(54)	ND(0.99)	ND(500)	ND(1)	ND(1)	ND(1.1)	ND(1)	ND(0.9)	ND(86)	ND(1.1)	ND(1.1)	ND(0.92)	ND(1.3)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	4.3	ND(110)	ND(2)	ND(1,000)	ND(2.1)	16.2	ND(2.2)	ND(2)	ND(1.8)	410	ND(2.2)	30.6	27	9.9

Sample ID:	B284-05	B284-10	B284-20	B284-30	B284-40	B285-05	B285-10	B285-20	B285-30	B285-40	B286-5	B286-10	B286-20	B286-30	B286-40	B287-5	B287-10	B287-20	B287-30	B287-40	B288-05	B288-10
Approx. Depth[1] (feet bgs):	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10
Date Collected:	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/17/08	01/17/08
Location ID:	B284	B284	B284	B284	B284	B285	B285	B285	B285	B285	B286	B286	B286	B286	B286	B287	B287	B287	B287	B287	B288	B288
1,1,1,2-Tetrachloroethane	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
1,1,1-Trichloroethane	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
1,1,2,2-Tetrachloroethane	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2)	ND(2.2)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	ND(1.9)	ND(1.7)	ND(280)	ND(2.6)	ND(2)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND(9.8)	ND(11)	ND(10)	ND(8.9)	ND(10)	ND(11)	ND(11)	ND(9.7)	ND(9.4)	ND(10)	ND(9.6)	ND(8.4)	ND(1,400)	ND(13)	ND(10)	ND(11)	ND(8.9)	ND(14)	ND(10)	ND(10)	ND(8.7)	ND(7.4)
1,1,2-Trichloroethane	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	1	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
1,1-Dichloroethane	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
1,1-Dichloroethene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
1,1-Dichloropropene	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2)	ND(2.2)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	ND(1.9)	ND(1.7)	ND(280)	ND(2.6)	ND(2)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)
1,2,3-Trichlorobenzene	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2)	ND(2.2)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	ND(1.9)	ND(1.7)	ND(280)	ND(2.6)	ND(2)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)
1,2,3-Trichloropropane	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2)	ND(2.2)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	ND(1.9)	ND(1.7)	ND(280)	ND(2.6)	ND(2)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)
1,2,4-Trichlorobenzene	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2)	ND(2.2)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	ND(1.9)	ND(1.7)	ND(280)	ND(2.6)	ND(2)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)
1,2,4-Trimethylbenzene	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2)	4.3	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	ND(1.9)	ND(1.7)	**4,400**	ND(2.6)	ND(2)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)
1,2-Dibromo-3-Chloropropane	ND(4.9)	ND(5.3)	ND(5.2)	ND(4.5)	ND(5.1)	ND(5.5)	ND(5.4)	ND(4.9)	ND(4.7)	ND(5.2)	ND(4.8)	ND(4.2)	ND(700)	ND(6.5)	ND(5.1)	ND(5.3)	ND(4.5)	ND(6.9)	ND(5.2)	ND(5)	ND(4.4)	ND(3.7)
1,2-Dibromoethane	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
1,2-Dichlorobenzene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
1,2-Dichloroethane	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
1,2-Dichloropropane	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
1,3,5-Trimethylbenzene	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2)	ND(2.2)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	ND(1.9)	ND(1.7)	**2,100**	ND(2.6)	ND(2)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)
1,3-Dichlorobenzene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
1,3-Dichloropropane	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
1,4-Dichlorobenzene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
2,2-Dichloropropane	ND(4.9)	ND(5.3)	ND(5.2)	ND(4.5)	ND(5.1)	ND(5.5)	ND(5.4)	ND(4.9)	ND(4.7)	ND(5.2)	ND(4.8)	ND(4.2)	ND(700)	ND(6.5)	ND(5.1)	ND(5.3)	ND(4.5)	ND(6.9)	ND(5.2)	ND(5)	ND(4.4)	ND(3.7)
2-Butanone	ND(20)	ND(21)	ND(21)	ND(18)	ND(20)	ND(22)	ND(21)	ND(19)	ND(19)	ND(21)	ND(19)	ND(17)	ND(2,800)	ND(26)	ND(20)	ND(21)	ND(18)	ND(28)	ND(21)	ND(20)	ND(17)	ND(15)
2-Chlorotoluene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
2-Hexanone	ND(20)	ND(21)	ND(21)	ND(18)	ND(20)	ND(22)	ND(21)	ND(19)	ND(19)	ND(21)	ND(19)	ND(17)	ND(2,800)	ND(26)	ND(20)	ND(21)	ND(18)	ND(28)	ND(21)	ND(20)	ND(17)	ND(15)
4-Chlorotoluene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
4-Methyl-2-Pentanone	ND(20)	ND(21)	ND(21)	ND(18)	ND(20)	ND(22)	ND(21)	ND(19)	ND(19)	ND(21)	ND(19)	ND(17)	ND(2,800)	ND(26)	ND(20)	ND(21)	ND(18)	ND(28)	ND(21)	ND(20)	ND(17)	ND(15)
Acetone	71	ND(53)	ND(52)	ND(45)	ND(51)	67	98	ND(49)	ND(47)	ND(52)	120	75	ND(7,000)	ND(65)	ND(51)	110	ND(45)	ND(69)	ND(52)	ND(50)	95	ND(37)
Benzene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	**1,400**	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Bromobenzene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Bromochloromethane	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2)	ND(2.2)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	ND(1.9)	ND(1.7)	ND(280)	ND(2.6)	ND(2)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)
Bromodichloromethane	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Bromoform	ND(4.9)	ND(5.3)	ND(5.2)	ND(4.5)	ND(5.1)	ND(5.5)	ND(5.4)	ND(4.9)	ND(4.7)	ND(5.2)	ND(4.8)	ND(4.2)	ND(700)	ND(6.5)	ND(5.1)	ND(5.3)	ND(4.5)	ND(6.9)	ND(5.2)	ND(5)	ND(4.4)	ND(3.7)
Bromomethane	ND(20)	ND(21)	ND(21)	ND(18)	ND(20)	ND(22)	ND(21)	ND(19)	ND(19)	ND(21)	ND(19)	ND(17)	ND(2,800)	ND(26)	ND(20)	ND(21)	ND(18)	ND(28)	ND(21)	ND(20)	ND(17)	ND(15)
c-1,2-Dichloroethene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
c-1,3-Dichloropropene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Carbon Disulfide	ND(9.8)	ND(11)	ND(10)	ND(8.9)	ND(10)	ND(11)	ND(11)	ND(9.7)	ND(9.4)	ND(10)	ND(9.6)	ND(8.4)	ND(1,400)	ND(13)	ND(10)	ND(11)	ND(8.9)	ND(14)	ND(10)	ND(10)	ND(8.7)	ND(7.4)
Carbon Tetrachloride	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Chlorobenzene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Chloroethane	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2)	ND(2.2)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	ND(1.9)	ND(1.7)	ND(280)	ND(2.6)	ND(2)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)
Chloroform	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	**1**	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Chloromethane	ND(20)	ND(21)	ND(21)	ND(18)	ND(20)	ND(22)	ND(21)	ND(19)	ND(19)	ND(21)	ND(19)	ND(17)	ND(2,800)	ND(26)	ND(20)	ND(21)	ND(18)	ND(28)	ND(21)	ND(20)	ND(17)	ND(15)
Dibromochloromethane	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2)	ND(2.2)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	ND(1.9)	ND(1.7)	ND(280)	ND(2.6)	ND(2)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)
Dibromomethane	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Dichlorodifluoromethane	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2)	ND(2.2)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	ND(1.9)	ND(1.7)	ND(280)	ND(2.6)	ND(2)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)
Diisopropyl Ether (DIPE)	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Ethanol	ND(490)	ND(530)	ND(520)	ND(450)	ND(510)	ND(550)	ND(540)	ND(490)	ND(470)	ND(520)	ND(480)	ND(420)	ND(70,000)	ND(650)	ND(510)	ND(530)	ND(450)	ND(690)	ND(520)	ND(500)	ND(440)	ND(370)
Ethylbenzene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	**4,100**	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Ethyl tert-Butyl Ether (ETBE)	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Isopropylbenzene	1.1	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	2,100	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Methylene Chloride	ND(9.8)	ND(11)	ND(10)	ND(8.9)	ND(10)	ND(11)	ND(11)	ND(9.7)	ND(9.4)	ND(10)	ND(9.6)	ND(8.4)	ND(1,400)	ND(13)	ND(10)	ND(11)	ND(8.9)	ND(14)	ND(10)	ND(10)	ND(8.7)	ND(7.4)
Methyl tert-Butyl Ether (MTBE)	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2)	ND(2.2)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	ND(1.9)	ND(1.7)	ND(280)	ND(2.6)	ND(2)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)
Naphthalene	ND(9.8)	ND(11)	ND(10)	ND(8.9)	ND(10)	ND(11)	ND(11)	ND(9.7)	ND(9.4)	ND(10)	ND(9.6)	ND(8.4)	**14,000**	ND(13)	ND(10)	ND(11)	ND(8.9)	ND(14)	ND(10)	ND(10)	ND(8.7)	ND(7.4)
n-Butylbenzene	3.1	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	1,100	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
n-Propylbenzene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(1.9)	ND(1.7)	3,600	ND(2.6)	ND(2)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
o-Xylene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	3,700	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
p/m-Xylenes	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2)	3.7	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	ND(1.9)	ND(1.7)	**24,000**	ND(2.6)	ND(2)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)
p-Isopropyltoluene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	1,800	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
sec-Butylbenzene	3.1	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	1,200	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Styrene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
t-1,2-Dichloroethene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
t-1,3-Dichloropropene	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2)	ND(2.2)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	ND(1.9)	ND(1.7)	ND(280)	ND(2.6)	ND(2)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)
Tert-Amyl-Methyl Ether (TAME)	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Tert-Butyl Alcohol (TBA)	ND(20)	ND(21)	ND(21)	ND(18)	24	ND(22)	ND(21)	ND(19)	ND(19)	ND(21)	ND(19)	ND(17)	ND(2,800)	ND(26)	ND(20)	ND(21)	ND(18)	ND(28)	ND(21)	ND(20)	ND(17)	ND(15)
tert-Butylbenzene	2.4	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	0.84	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Tetrachloroethene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	2.9	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Toluene	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	1.7	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	480	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Trichloroethene	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	3.2	ND(2.2)	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	ND(1.9)	ND(1.7)	ND(280)	ND(2.6)	ND(2)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)
Trichlorofluoromethane	ND(9.8)	ND(11)	ND(10)	ND(8.9)	ND(10)	ND(11)	ND(11)	ND(9.7)	ND(9.4)	ND(10)	ND(9.6)	ND(8.4)	ND(1,400)	ND(13)	ND(10)	ND(11)	ND(8.9)	ND(14)	ND(10)	ND(10)	ND(8.7)	ND(7.4)
Vinyl Acetate	ND(9.8)	ND(11)	ND(10)	ND(8.9)	ND(10)	ND(11)	ND(11)	ND(9.7)	ND(9.4)	ND(10)	ND(9.6)	ND(8.4)	ND(1,400)	ND(13)	ND(10)	ND(11)	ND(8.9)	ND(14)	ND(10)	ND(10)	ND(8.7)	ND(7.4)
Vinyl Chloride	ND(0.98)	ND(1.1)	ND(1)	ND(0.89)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.94)	ND(1)	ND(0.96)	ND(0.84)	ND(140)	ND(1.3)	ND(1)	ND(1.1)	ND(0.89)	ND(1.4)	ND(1)	ND(1)	ND(0.87)	ND(0.74)
Xylenes, total	ND(2)	ND(2.1)	ND(2.1)	ND(1.8)	ND(2)	3.7	ND(2.1)	ND(1.9)	ND(1.9)	ND(2.1)	NA	NA	NA	NA	NA	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.1)	ND(2)	ND(1.7)	ND(1.5)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting limits

µg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 36
VOC CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:	CSLs by depth						B288-20	B288-30	B288-40	B289-5	B289-10	B289-20	B289-30	B289-40	B290-5	B290-10	B290-20	B290-30	B290-40	B291-10	B291-20	B291-30	B291-40	B292-5	B292-10	B292-20	B292-30	B292-40	B293-5	B293-10	B293-20	B293-30	B293-40	B294-05	B294-10	B294-20	B294-30	B294-40	B295-5	B295-10	B295-20	B295-30
Approx. Depth[1] (feet bgs):							20	30	40	5	10	20	30	40	5	10	20	30	40	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30
Date Collected:							01/17/08	01/17/08	01/17/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/29/08	01/29/08	01/29/08	01/29/08	01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/22/09	01/22/09	01/22/09	01/22/09
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B288	B288	B288	B289	B289	B289	B289	B289	B290	B290	B290	B290	B290	B291	B291	B291	B291	B292	B292	B292	B292	B292	B293	B293	B293	B293	B293	B294	B294	B294	B294	B294	B295	B295	B295	B295
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	ND(1.9)	ND(120)	ND(2.4)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	ND(160)	ND(3.2)	ND(2.1)	ND(2.7)	ND(2.7)	ND(1.9)	ND(2.1)	ND(2.5)	ND(2.2)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	μg/kg	ND(10)	ND(10)	ND(9.2)	ND(14)	ND(11)	ND(12)	ND(17)	ND(14)	ND(11)	ND(15)	ND(14)	ND(13)	ND(15)	ND(16)	ND(12)	ND(12)	ND(8.7)	ND(9.5)	ND(610)	ND(12)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10)	ND(780)	ND(16)	ND(10)	ND(13)	ND(13)	ND(9.6)	ND(11)	ND(13)	ND(11)
1,1,2-Trichloroethane	70	65	25	15	5	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
1,1-Dichloroethane	110	65	25	15	5	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
1,1-Dichloroethene	132	78	30	18	6	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
1,1-Dichloropropene	- -	- -	- -	- -	- -	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	ND(1.9)	ND(120)	ND(2.4)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	ND(160)	ND(3.2)	ND(2.1)	ND(2.7)	ND(2.7)	ND(1.9)	ND(2.1)	ND(2.5)	ND(2.2)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	ND(1.9)	ND(120)	ND(2.4)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	ND(160)	ND(3.2)	ND(2.1)	ND(2.7)	ND(2.7)	ND(1.9)	ND(2.1)	ND(2.5)	ND(2.2)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	ND(1.9)	ND(120)	ND(2.4)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	ND(160)	ND(3.2)	ND(2.1)	ND(2.7)	ND(2.7)	ND(1.9)	ND(2.1)	ND(2.5)	ND(2.2)
1,2,4-Trichlorobenzene	110	65	25	15	5	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	ND(1.9)	ND(120)	ND(2.4)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	ND(160)	ND(3.2)	ND(2.1)	ND(2.7)	ND(2.7)	ND(1.9)	ND(2.1)	ND(2.5)	ND(2.2)
1,2,4-Trimethylbenzene	330	195	75	45	15	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	2	**1,400**	2.4	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	**980**	**230**	ND(2.1)	ND(2.7)	2.8	ND(1.9)	ND(2.1)	ND(2.5)	ND(2.2)
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	μg/kg	ND(5.2)	ND(5.2)	ND(4.6)	ND(7)	ND(5.7)	ND(5.9)	ND(8.6)	ND(7.2)	ND(5.4)	ND(7.3)	ND(7)	ND(6.6)	ND(7.5)	ND(8.2)	ND(5.9)	ND(5.8)	ND(4.3)	ND(4.7)	ND(300)	ND(6)	ND(5.7)	ND(5.4)	ND(5.5)	ND(5.3)	ND(5.5)	ND(5.5)	ND(5)	ND(390)	ND(8)	ND(5.2)	ND(6.7)	ND(6.7)	ND(4.8)	ND(5.3)	ND(6.3)	ND(5.4)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
1,2-Dichloropropane	110	65	25	15	5	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	19	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	**43**	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
1,3,5-Trimethylbenzene	264	156	60	36	12	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	ND(1.9)	**300**	ND(2.4)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	ND(160)	12	ND(2.1)	ND(2.7)	ND(2.7)	ND(1.9)	ND(2.1)	ND(2.5)	ND(2.2)
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
1,4-Dichlorobenzene	590	590	375	225	75	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
2,2-Dichloropropane	- -	- -	- -	- -	- -	μg/kg	ND(5.2)	ND(5.2)	ND(4.6)	ND(7)	ND(5.7)	ND(5.9)	ND(8.6)	ND(7.2)	ND(5.4)	ND(7.3)	ND(7)	ND(6.6)	ND(7.5)	ND(8.2)	ND(5.9)	ND(5.8)	ND(4.3)	ND(4.7)	ND(300)	ND(6)	ND(5.7)	ND(5.4)	ND(5.5)	ND(5.3)	ND(5.5)	ND(5.5)	ND(5)	ND(390)	ND(8)	ND(5.2)	ND(6.7)	ND(6.7)	ND(4.8)	ND(5.3)	ND(6.3)	ND(5.4)
2-Butanone	3,900	3,900	3,900	3,900	3,900	μg/kg	ND(21)	ND(21)	ND(18)	ND(28)	ND(23)	ND(24)	ND(34)	ND(29)	ND(22)	ND(29)	ND(28)	ND(26)	ND(30)	ND(33)	ND(24)	ND(23)	ND(17)	ND(19)	ND(1,200)	ND(24)	ND(23)	ND(22)	ND(22)	ND(21)	ND(22)	ND(22)	ND(20)	ND(1,600)	ND(32)	ND(21)	ND(27)	ND(27)	ND(19)	ND(21)	ND(25)	ND(22)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
2-Hexanone	- -	- -	- -	- -	- -	μg/kg	ND(21)	ND(21)	ND(18)	ND(28)	ND(23)	ND(24)	ND(34)	ND(29)	ND(22)	ND(29)	ND(28)	ND(26)	ND(30)	ND(33)	ND(24)	ND(23)	ND(17)	ND(19)	ND(1,200)	ND(24)	ND(23)	ND(22)	ND(22)	ND(21)	ND(22)	ND(22)	ND(20)	ND(1,600)	ND(32)	ND(21)	ND(27)	ND(27)	ND(19)	ND(21)	ND(25)	ND(22)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	μg/kg	ND(21)	ND(21)	ND(18)	ND(28)	ND(23)	ND(24)	ND(34)	ND(29)	ND(22)	ND(29)	ND(28)	ND(26)	ND(30)	ND(33)	ND(24)	ND(23)	ND(17)	ND(19)	ND(1,200)	ND(24)	ND(23)	ND(22)	ND(22)	ND(21)	ND(22)	ND(22)	ND(20)	ND(1,600)	ND(32)	ND(21)	ND(27)	ND(27)	ND(19)	ND(21)	ND(25)	ND(22)
Acetone	500	500	500	500	500	μg/kg	ND(52)	ND(52)	ND(46)	110	ND(57)	ND(59)	ND(86)	ND(72)	ND(54)	ND(73)	ND(70)	ND(66)	ND(75)	92	ND(59)	ND(58)	ND(43)	58	ND(3,000)	ND(60)	ND(57)	ND(54)	ND(55)	ND(53)	ND(55)	ND(55)	ND(50)	ND(3,900)	280	ND(52)	ND(67)	ND(67)	ND(48)	140	ND(63)	110
Benzene	22	13	5	3	1	μg/kg	ND(1)	1.7	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	16	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	1.5	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	12	ND(1)	ND(1.3)	**11**	ND(0.96)	2	ND(1.3)	ND(1.1)
Bromobenzene	440	260	100	60	20	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
Bromochloromethane	- -	- -	- -	- -	- -	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	ND(1.9)	ND(120)	ND(2.4)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	ND(160)	ND(3.2)	ND(2.1)	ND(2.7)	ND(2.7)	ND(1.9)	ND(2.1)	ND(2.5)	ND(2.2)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
Bromoform	187	110.5	42.5	25.5	8.5	μg/kg	ND(5.2)	ND(5.2)	ND(4.6)	ND(7)	ND(5.7)	ND(5.9)	ND(8.6)	ND(7.2)	ND(5.4)	ND(7.3)	ND(7)	ND(6.6)	ND(7.5)	ND(8.2)	ND(5.9)	ND(5.8)	ND(4.3)	ND(4.7)	ND(300)	ND(6)	ND(5.7)	ND(5.4)	ND(5.5)	ND(5.3)	ND(5.5)	ND(5.5)	ND(5)	ND(390)	ND(8)	ND(5.2)	ND(6.7)	ND(6.7)	ND(4.8)	ND(5.3)	ND(6.3)	ND(5.4)
Bromomethane	191.4	113.1	43.5	26.1	8.7	μg/kg	ND(21)	ND(21)	ND(18)	ND(28)	ND(23)	ND(24)	ND(34)	ND(29)	ND(22)	ND(29)	ND(28)	ND(26)	ND(30)	ND(33)	ND(24)	ND(23)	ND(17)	ND(19)	ND(1,200)	ND(24)	ND(23)	ND(22)	ND(22)	ND(21)	ND(22)	ND(22)	ND(20)	ND(1,600)	ND(32)	ND(21)	ND(27)	ND(27)	ND(19)	ND(21)	ND(25)	ND(22)
c-1,2-Dichloroethene	132	78	30	18	6	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	3.5	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	μg/kg	ND(10)	ND(10)	ND(9.2)	ND(14)	ND(11)	ND(12)	ND(17)	ND(14)	ND(11)	ND(15)	ND(14)	ND(13)	ND(15)	ND(16)	ND(12)	ND(12)	ND(8.7)	ND(9.5)	ND(610)	ND(12)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10)	ND(780)	ND(16)	ND(10)	ND(13)	ND(13)	ND(9.6)	ND(11)	ND(13)	ND(11)
Carbon Tetrachloride	20	20	20	15	5	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
Chlorobenzene	1,500	910	350	210	70	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
Chloroethane	850	850	850	850	850	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	ND(1.9)	ND(120)	ND(2.4)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	ND(160)	ND(3.2)	ND(2.1)	ND(2.7)	ND(2.7)	ND(1.9)	ND(2.1)	ND(2.5)	ND(2.2)
Chloroform	4.18	2.47	0.95	0.57	0.19	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
Chloromethane	39.6	23.4	9	5.4	1.8	μg/kg	ND(21)	ND(21)	ND(18)	ND(28)	ND(23)	ND(24)	ND(34)	ND(29)	ND(22)	ND(29)	ND(28)	ND(26)	ND(30)	ND(33)	ND(24)	ND(23)	ND(17)	ND(19)	ND(1,200)	ND(24)	ND(23)	ND(22)	ND(22)	ND(21)	ND(22)	ND(22)	ND(20)	ND(1,600)	ND(32)	ND(21)	ND(27)	ND(27)	ND(19)	ND(21)	ND(25)	ND(22)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	ND(1.9)	ND(120)	ND(2.4)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	ND(160)	ND(3.2)	ND(2.1)	ND(2.7)	ND(2.7)	ND(1.9)	ND(2.1)	ND(2.5)	ND(2.2)
Dibromomethane	8,140	4,810	1,850	1,110	370	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	ND(1.9)	ND(120)	ND(2.4)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	ND(160)	ND(3.2)	ND(2.1)	ND(2.7)	ND(2.7)	ND(1.9)	ND(2.1)	ND(2.5)	ND(2.2)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
Ethanol	- -	- -	- -	- -	- -	μg/kg	ND(520)	ND(520)	ND(460)	ND(700)	ND(570)	ND(590)	ND(860)	ND(720)	ND(540)	ND(730)	ND(700)	ND(660)	ND(750)	ND(820)	ND(590)	ND(580)	ND(430)	ND(470)	ND(30,000)	ND(600)	ND(570)	ND(540)	ND(550)	ND(530)	ND(550)	ND(550)	ND(500)	ND(39,000)	ND(800)	ND(520)	ND(670)	ND(670)	ND(480)	ND(530)	ND(630)	ND(540)
Ethylbenzene	2,300	3,300	1,500	900	300	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	45	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	1,200	230 D	ND(1)	ND(1.3)	ND(1.3)	1.3	ND(1.1)	ND(1.3)	ND(1.1)
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	5.8	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	23	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
Methylene Chloride	77	65	25	15	5	μg/kg	ND(10)	ND(10)	ND(9.2)	ND(14)	ND(11)	ND(12)	ND(17)	ND(14)	ND(11)	ND(15)	ND(14)	ND(13)	ND(15)	ND(16)	ND(12)	ND(12)	ND(8.7)	ND(9.5)	ND(610)	ND(12)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10)	ND(780)	ND(16)	ND(10)	ND(13)	ND(13)	ND(9.6)	ND(11)	ND(13)	ND(11)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	ND(1.9)	ND(120)	ND(2.4)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	ND(160)	ND(3.2)	ND(2.1)	ND(2.7)	5.4	ND(1.9)	ND(2.1)	ND(2.5)	ND(2.2)
Naphthalene	3.08	1.82	0.7	0.42	0.14	μg/kg	ND(10)	ND(10)	ND(9.2)	ND(14)	ND(11)	ND(12)	ND(17)	ND(14)	ND(11)	ND(15)	ND(14)	ND(13)	ND(15)	ND(16)	ND(12)	ND(12)	ND(8.7)	ND(9.5)	ND(610)	ND(12)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10)	**1,300**	**770 D**	ND(10)	ND(13)	ND(13)	ND(9.6)	ND(11)	ND(13)	ND(11)
n-Butylbenzene	- -	- -	- -	- -	- -	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	3.4	190	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	100	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
n-Propylbenzene	- -	- -	- -	- -	- -	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	15	ND(120)	ND(2.4)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	250	90	ND(1)	ND(1.3)	ND(1.3)	ND(1.9)	ND(2.1)	ND(2.5)	ND(2.2)
o-Xylene	30,800	18,200	7,000	4,200	1,400	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	1	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	20	ND(1)	ND(1.3)	ND(1.3)	1.7	1.2	ND(1.3)	ND(1.1)
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	4.6	420	ND(2.4)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	ND(160)	14	ND(2.1)	ND(2.7)	14	5.3	4	ND(2.5)	ND(2.2)
p-Isopropyltoluene	- -	- -	- -	- -	- -	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	12	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
sec-Butylbenzene	- -	- -	- -	- -	- -	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	6.9	110	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	10	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
Styrene	1,500	1,300	500	300	100	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
t-1,2-Dichloroethene	220	130	50	30	10	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	1.7	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	ND(1.9)	ND(120)	ND(2.4)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	ND(160)	ND(3.2)	ND(2.1)	ND(2.7)	ND(2.7)	ND(1.9)	ND(2.1)	ND(2.5)	ND(2.2)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	μg/kg	ND(21)	ND(21)	ND(18)	ND(28)	ND(23)	ND(24)	ND(34)	ND(29)	ND(22)	ND(29)	ND(28)	ND(26)	ND(30)	ND(33)	ND(24)	ND(23)	ND(17)	ND(19)	ND(1,200)	ND(24)	ND(23)	ND(22)	ND(22)	ND(21)	ND(22)	ND(22)	ND(20)	ND(1,600)	ND(32)	ND(21)	ND(27)	34	20	**420**	**160**	NA
tert-Butylbenzene	- -	- -	- -	- -	- -	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	110	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
Tetrachloroethene	110	65	25	15	5	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
Toluene	2,900	1,950	750	450	150	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	3.4	ND(1)	ND(1.3)	ND(1.3)	6.9	5.5	ND(1.3)	ND(1.1)
Trichloroethene	110	65	25	15	5	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	ND(1.9)	ND(120)	ND(2.4)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2)	ND(160)	ND(3.2)	ND(2.1)	ND(2.7)	ND(2.7)	ND(1.9)	ND(2.1)	ND(2.5)	ND(2.2)
Trichlorofluoromethane	3,300	1,950	750	450	150	μg/kg	ND(10)	ND(10)	ND(9.2)	ND(14)	ND(11)	ND(12)	ND(17)	ND(14)	ND(11)	ND(15)	ND(14)	ND(13)	ND(15)	ND(16)	ND(12)	ND(12)	ND(8.7)	ND(9.5)	ND(610)	ND(12)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10)	ND(780)	ND(16)	ND(10)	ND(13)	ND(13)	ND(9.6)	ND(11)	ND(13)	ND(11)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	μg/kg	ND(10)	ND(10)	ND(9.2)	ND(14)	ND(11)	ND(12)	ND(17)	ND(14)	ND(11)	ND(15)	ND(14)	ND(13)	ND(15)	ND(16)	ND(12)	ND(12)	ND(8.7)	ND(9.5)	ND(610)	ND(12)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10)	ND(780)	ND(16)	ND(10)	ND(13)	ND(13)	ND(9.6)	ND(11)	ND(13)	ND(11)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	μg/kg	ND(1)	ND(1)	ND(0.92)	ND(1.4)	ND(1.1)	ND(1.2)	ND(1.7)	ND(1.4)	ND(1.1)	ND(1.5)	ND(1.4)	ND(1.3)	ND(1.5)	ND(1.6)	ND(1.2)	ND(1.2)	ND(0.87)	ND(0.95)	ND(61)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1)	ND(78)	ND(1.6)	ND(1)	ND(1.3)	ND(1.3)	ND(0.96)	ND(1.1)	ND(1.3)	ND(1.1)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	μg/kg	ND(2.1)	ND(2.1)	ND(1.8)	ND(2.8)	ND(2.3)	ND(2.4)	ND(3.4)	ND(2.9)	ND(2.2)	ND(2.9)	ND(2.8)	ND(2.6)	ND(3)	ND(3.3)	ND(2.4)	ND(2.3)	ND(1.7)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(160)	34	ND(2.1)	ND(2.7)	14	NA	NA	NA	NA

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting limits

μg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 36
VOC CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:							B295-30RE	B295-40	B295-40RE	B297-5	B297-10	B297-20	B297-30	B297-40	B298-5	B298-10	B298-20	B298-30	B298-40	B299-5	B299-10	B299-20	B299-30	B299-40	B300-05	B300-10	B300-20	B300-30	B300-40	B301-05	B301-10	B301-20	B301-30	B301-40	B302-05	B302-10	B302-20	B302-30	B302-40	B303-05
Approx. Depth[1] (feet bgs):							40	40	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5
Date Collected:	CSLs by depth						01/22/09	01/22/09	01/22/09	01/20/09	01/20/09	01/20/09	01/20/09	01/20/09	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	02/06/08	02/06/08	02/06/08	02/06/08	02/06/08	02/06/08	02/06/08	02/06/08	02/06/08	02/06/08	02/05/08	02/05/08	02/05/08	02/05/08	02/05/08	01/28/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B295	B295	B295	B297	B297	B297	B297	B297	B298	B298	B298	B298	B298	B299	B299	B299	B299	B299	B300	B300	B300	B300	B300	B301	B301	B301	B301	B301	B302	B302	B302	B302	B302	B303
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	ND(1,000)	ND(840)	ND(1,100)	ND(2,500)	ND(1,200)	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	ND(2.4)	ND(2.8)	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	ND(1,000)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	NA	ND(12)	NA	ND(12)	ND(11)	ND(10)	ND(12)	ND(9.4)	ND(16)	ND(16)	ND(12)	ND(12)	ND(11)	ND(5,100)	ND(4,200)	ND(5,400)	ND(12,000)	ND(5,900)	ND(9.9)	ND(11)	ND(13)	ND(14)	ND(11)	ND(11)	ND(10)	ND(10)	ND(12)	ND(12)	ND(14)	ND(9.9)	ND(13)	ND(11)	ND(13)	ND(5,200)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	ND(1,000)	ND(840)	ND(1,100)	ND(2,500)	ND(1,200)	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	ND(2.4)	ND(2.8)	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	ND(1,000)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	ND(1,000)	ND(840)	ND(1,100)	ND(2,500)	ND(1,200)	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	ND(2.4)	ND(2.8)	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	ND(1,000)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	ND(1,000)	ND(840)	ND(1,100)	ND(2,500)	ND(1,200)	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	ND(2.4)	ND(2.8)	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	ND(1,000)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	ND(1,000)	ND(840)	ND(1,100)	ND(2,500)	ND(1,200)	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	ND(2.4)	ND(2.8)	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	ND(1,000)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	ND(1,000)	**6,500**	**5,500**	**10,000**	**8,300**	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	3.4	2.9	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	**14,000**
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	NA	ND(5.9)	NA	ND(5.8)	ND(5.3)	ND(5.1)	ND(5.9)	ND(4.7)	ND(8)	ND(8.1)	ND(6)	ND(6.2)	ND(5.5)	ND(2,500)	ND(2,100)	ND(2,700)	ND(6,200)	ND(3,000)	ND(4.9)	ND(5.6)	ND(6.3)	ND(7.1)	ND(5.7)	ND(5.5)	ND(5)	ND(5.1)	ND(5.9)	ND(6)	ND(6.9)	ND(4.9)	ND(6.3)	ND(5.7)	ND(6.4)	ND(2,600)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	ND(1,000)	**2,400**	**2,200**	**3,700**	**3,100**	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	ND(2.4)	ND(2.8)	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	**3,600**
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	NA	ND(5.9)	NA	ND(5.8)	ND(5.3)	ND(5.1)	ND(5.9)	ND(4.7)	ND(8)	ND(8.1)	ND(6)	ND(6.2)	ND(5.5)	ND(2,500)	ND(2,100)	ND(2,700)	ND(6,200)	ND(3,000)	ND(4.9)	ND(5.6)	ND(6.3)	ND(7.1)	ND(5.7)	ND(5.5)	ND(5)	ND(5.1)	ND(5.9)	ND(6)	ND(6.9)	ND(4.9)	ND(6.3)	ND(5.7)	ND(6.4)	ND(2,600)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	NA	30	NA	ND(23)	ND(21)	ND(20)	ND(23)	ND(19)	ND(32)	ND(33)	ND(24)	ND(25)	ND(22)	ND(10,000)	ND(8,400)	ND(11,000)	ND(25,000)	ND(12,000)	ND(20)	ND(22)	ND(25)	ND(28)	ND(23)	ND(22)	ND(20)	ND(21)	ND(24)	ND(24)	ND(28)	ND(20)	ND(25)	ND(23)	ND(26)	ND(10,000)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	NA	ND(24)	NA	ND(23)	ND(21)	ND(20)	ND(23)	ND(19)	ND(32)	ND(33)	ND(24)	ND(25)	ND(22)	ND(10,000)	ND(8,400)	ND(11,000)	ND(25,000)	ND(12,000)	ND(20)	ND(22)	ND(25)	ND(28)	ND(23)	ND(22)	ND(20)	ND(21)	ND(24)	ND(24)	ND(28)	ND(20)	ND(25)	ND(23)	ND(26)	ND(10,000)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	NA	ND(24)	NA	ND(23)	ND(21)	ND(20)	ND(23)	ND(19)	ND(32)	ND(33)	ND(24)	ND(25)	ND(22)	ND(10,000)	ND(8,400)	ND(11,000)	ND(25,000)	ND(12,000)	ND(20)	ND(22)	ND(25)	ND(28)	ND(23)	ND(22)	ND(20)	ND(21)	ND(24)	ND(24)	ND(28)	ND(20)	ND(25)	ND(23)	ND(26)	ND(10,000)
Acetone	500	500	500	500	500	µg/kg	NA	NA	ND(3,000)	62	ND(53)	ND(51)	ND(59)	ND(47)	110	ND(81)	ND(60)	ND(62)	ND(55)	ND(25,000)	ND(21,000)	ND(27,000)	ND(62,000)	ND(30,000)	ND(49)	ND(56)	ND(63)	ND(71)	ND(57)	ND(55)	ND(50)	ND(51)	ND(59)	ND(60)	ND(69)	58	ND(63)	ND(57)	ND(64)	ND(26,000)
Benzene	22	13	5	3	1	µg/kg	NA	ND(1.2)	NA	2.8	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	6.4	ND(1.2)	ND(1.2)	ND(1.1)	**1,800**	**9,300**	**7,500**	**32,000**	**14,000**	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	4.8	ND(1.1)	ND(1)	ND(1)	ND(1.2)	1.8	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	**1,200**
Bromobenzene	440	260	100	60	20	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	ND(1,000)	ND(840)	ND(1,100)	ND(2,500)	ND(1,200)	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	ND(2.4)	ND(2.8)	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	ND(1,000)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	NA	ND(5.9)	NA	ND(5.8)	ND(5.3)	ND(5.1)	ND(5.9)	ND(4.7)	ND(8)	ND(8.1)	ND(6)	ND(6.2)	ND(5.5)	ND(2,500)	ND(2,100)	ND(2,700)	ND(6,200)	ND(3,000)	ND(4.9)	ND(5.6)	ND(6.3)	ND(7.1)	ND(5.7)	ND(5.5)	ND(5)	ND(5.1)	ND(5.9)	ND(6)	ND(6.9)	ND(4.9)	ND(6.3)	ND(5.7)	ND(6.4)	ND(2,600)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	NA	ND(24)	NA	ND(23)	ND(21)	ND(20)	ND(23)	ND(19)	ND(32)	ND(33)	ND(24)	ND(25)	ND(22)	ND(10,000)	ND(8,400)	ND(11,000)	ND(25,000)	ND(12,000)	ND(20)	ND(22)	ND(25)	ND(28)	ND(23)	ND(22)	ND(20)	ND(21)	ND(24)	ND(24)	ND(28)	ND(20)	ND(25)	ND(23)	ND(26)	ND(10,000)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	NA	ND(12)	NA	ND(12)	ND(11)	ND(10)	ND(12)	ND(9.4)	ND(16)	ND(16)	ND(12)	ND(12)	ND(11)	ND(5,100)	ND(4,200)	ND(5,400)	ND(12,000)	ND(5,900)	ND(9.9)	ND(11)	ND(13)	ND(14)	ND(11)	ND(11)	ND(10)	ND(10)	ND(12)	ND(12)	ND(14)	12	ND(13)	ND(11)	ND(13)	ND(5,200)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
Chlorobenzene	1,500	910	350	210	70	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
Chloroethane	850	850	850	850	850	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	ND(1,000)	ND(840)	ND(1,100)	ND(2,500)	ND(1,200)	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	ND(2.4)	ND(2.8)	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	ND(1,000)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	NA	ND(24)	NA	ND(23)	ND(21)	ND(20)	ND(23)	ND(19)	ND(32)	ND(33)	ND(24)	ND(25)	ND(22)	ND(10,000)	ND(8,400)	ND(11,000)	ND(25,000)	ND(12,000)	ND(20)	ND(22)	ND(25)	ND(28)	ND(23)	ND(22)	ND(20)	ND(21)	ND(24)	ND(24)	ND(28)	ND(20)	ND(25)	ND(23)	ND(26)	ND(10,000)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	ND(1,000)	ND(840)	ND(1,100)	ND(2,500)	ND(1,200)	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	ND(2.4)	ND(2.8)	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	ND(1,000)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	ND(1,000)	ND(840)	ND(1,100)	ND(2,500)	ND(1,200)	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	ND(2.4)	ND(2.8)	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	ND(1,000)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
Ethanol	- -	- -	- -	- -	- -	µg/kg	NA	ND(590)	NA	ND(580)	ND(530)	ND(510)	ND(590)	ND(470)	ND(800)	ND(810)	ND(600)	ND(620)	ND(550)	ND(250,000)	ND(210,000)	ND(270,000)	ND(620,000)	ND(300,000)	ND(490)	ND(560)	ND(630)	ND(710)	ND(570)	ND(550)	ND(500)	ND(510)	ND(590)	ND(600)	ND(690)	ND(490)	ND(630)	ND(570)	ND(640)	ND(260,000)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	680	**12,000**	**6,500**	**30,000**	**7,700**	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	**6,600**
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	1,700	3,600	1,000	**3,500**	1,400	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	2,100
Methylene Chloride	77	65	25	15	5	µg/kg	NA	ND(12)	NA	ND(12)	ND(11)	ND(10)	ND(12)	ND(9.4)	ND(16)	ND(16)	ND(12)	ND(12)	ND(11)	ND(5,100)	ND(4,200)	ND(5,400)	ND(12,000)	ND(5,900)	ND(9.9)	ND(11)	ND(13)	ND(14)	ND(11)	ND(11)	ND(10)	ND(10)	ND(12)	ND(12)	ND(14)	ND(9.9)	ND(13)	ND(11)	ND(13)	ND(5,200)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	ND(1,000)	ND(840)	ND(1,100)	ND(2,500)	ND(1,200)	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	ND(2.4)	ND(2.8)	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	ND(1,000)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	NA	ND(12)	NA	ND(12)	ND(11)	ND(10)	ND(12)	ND(9.4)	ND(16)	ND(16)	ND(12)	ND(12)	ND(11)	ND(5,100)	**12,000**	**7,100**	**16,000**	**7,000**	ND(9.9)	ND(11)	ND(13)	ND(14)	ND(11)	ND(11)	ND(10)	ND(10)	ND(12)	ND(12)	**26**	ND(9.9)	ND(13)	ND(11)	ND(13)	**13,000**
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	2,000	1,300	2,100	1,600	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	2.8	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	2,800
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	1,500	4,000	1,100	3,300	1,700	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	1.7	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	3,400
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	1,200	ND(540)	**20,000**	6,500	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	2,500
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	ND(1,000)	9,300	17,000	**78,000**	**24,000**	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	ND(2.4)	ND(2.8)	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	7,900
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	880	670	ND(1,200)	960	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	2.7	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	2,400
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	1,200	ND(540)	ND(1,200)	740	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	3.2	1	ND(1.3)	ND(1.1)	ND(1.3)	1,900
Styrene	1,500	1,300	500	300	100	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	ND(1,000)	ND(840)	ND(1,100)	ND(2,500)	ND(1,200)	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	ND(2.4)	ND(2.8)	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	ND(1,000)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	**960 D**	NA	**1,500 D**	ND(23)	ND(21)	ND(20)	ND(23)	ND(19)	ND(32)	ND(33)	ND(24)	ND(25)	ND(22)	ND(10,000)	ND(8,400)	ND(11,000)	ND(25,000)	ND(12,000)	ND(20)	ND(22)	ND(25)	ND(28)	ND(23)	ND(22)	ND(20)	ND(21)	ND(24)	54	ND(28)	ND(20)	ND(25)	ND(23)	ND(26)	ND(10,000)
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
Tetrachloroethene	110	65	25	15	5	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
Toluene	2,900	1,950	750	450	150	µg/kg	NA	ND(1.2)	NA	1.6	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	3.5	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	670	**60,000**	**25,000**	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	950
Trichloroethene	110	65	25	15	5	µg/kg	NA	ND(2.4)	NA	ND(2.3)	ND(2.1)	ND(2)	ND(2.3)	ND(1.9)	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	ND(1,000)	ND(840)	ND(1,100)	ND(2,500)	ND(1,200)	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	ND(2.4)	ND(2.8)	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	ND(1,000)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	NA	ND(12)	NA	ND(12)	ND(11)	ND(10)	ND(12)	ND(9.4)	ND(16)	ND(16)	ND(12)	ND(12)	ND(11)	ND(5,100)	ND(4,200)	ND(5,400)	ND(12,000)	ND(5,900)	ND(9.9)	ND(11)	ND(13)	ND(14)	ND(11)	ND(11)	ND(10)	ND(10)	ND(12)	ND(12)	ND(14)	ND(9.9)	ND(13)	ND(11)	ND(13)	ND(5,200)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	NA	ND(12)	NA	ND(12)	ND(11)	ND(10)	ND(12)	ND(9.4)	ND(16)	ND(16)	ND(12)	ND(12)	ND(11)	ND(5,100)	ND(4,200)	ND(5,400)	ND(12,000)	ND(5,900)	ND(9.9)	ND(11)	ND(13)	ND(14)	ND(11)	ND(11)	ND(10)	ND(10)	ND(12)	ND(12)	ND(14)	ND(9.9)	ND(13)	ND(11)	ND(13)	ND(5,200)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	NA	ND(1.2)	NA	ND(1.2)	ND(1.1)	ND(1)	ND(1.2)	ND(0.94)	ND(1.6)	ND(1.6)	ND(1.2)	ND(1.2)	ND(1.1)	ND(510)	ND(420)	ND(540)	ND(1,200)	ND(590)	ND(0.99)	ND(1.1)	ND(1.3)	ND(1.4)	ND(1.1)	ND(1.1)	ND(1)	ND(1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(0.99)	ND(1.3)	ND(1.1)	ND(1.3)	ND(520)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	ND(3.2)	ND(3.3)	ND(2.4)	ND(2.5)	ND(2.2)	NA	NA	NA	NA	NA	ND(2)	ND(2.2)	ND(2.5)	ND(2.8)	ND(2.3)	ND(2.2)	ND(2)	ND(2.1)	ND(2.4)	ND(2.4)	ND(2.8)	ND(2)	ND(2.5)	ND(2.3)	ND(2.6)	**10,400**

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting limits

µg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			CSLs by depth				B303-10	B303-20	B303-30	B303-40	B304-5	B304-10	B304-20	B304-30	B304-40	B305-5	B305-10	B305-20	B305-30	B305-40	B306-05	B306-10	B306-20	B306-30	B306-40	B307-5	B307-10	B307-20	B307-30	B307-40	B308-05	B308-10	B308-20	B308-30	B308-40	B309-5	B309-10	B309-20	B309-30
Approx. Depth[1] (feet bgs):							10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30
Date Collected:							01/28/08	01/28/08	01/28/08	01/28/08	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	01/31/08	01/31/08	01/31/08	02/01/08	02/01/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/19/09	01/19/09	01/19/09	01/19/09
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B303	B303	B303	B303	B304	B304	B304	B304	B304	B305	B305	B305	B305	B305	B306	B306	B306	B306	B306	B307	B307	B307	B307	B307	B308	B308	B308	B308	B308	B309	B309	B309	B309
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(950)	ND(3,200)	ND(5,400)	ND(3,500)	ND(2.5)	ND(1.8)	ND(2.6)	ND(1.8)	ND(2.3)	ND(2.3)	ND(1.8)	ND(2.2)	ND(1.8)	ND(2.2)	ND(150)	ND(2.6)	ND(1.7)	ND(290)	ND(2)	ND(2.8)	ND(3)	ND(2.8)	ND(520)	ND(660)	ND(1.8)	ND(2)	ND(2.1)	ND(1,200)	ND(12,000)	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(4,800)	ND(16,000)	ND(27,000)	ND(18,000)	ND(12)	ND(8.9)	ND(13)	ND(8.9)	ND(12)	ND(11)	ND(8.8)	ND(11)	ND(9)	ND(11)	ND(730)	ND(13)	ND(8.7)	ND(1,500)	ND(10)	ND(14)	ND(15)	ND(14)	ND(2,600)	ND(3,300)	ND(9.1)	ND(9.8)	ND(11)	ND(5,800)	ND(58,000)	ND(8.6)	ND(8.2)	ND(8.9)	ND(8.7)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(950)	ND(3,200)	ND(5,400)	ND(3,500)	ND(2.5)	ND(1.8)	ND(2.6)	ND(1.8)	ND(2.3)	ND(2.3)	ND(1.8)	ND(2.2)	ND(1.8)	ND(2.2)	ND(150)	ND(2.6)	ND(1.7)	ND(290)	ND(2)	ND(2.8)	ND(3)	ND(2.8)	ND(520)	ND(660)	ND(1.8)	ND(2)	ND(2.1)	ND(1,200)	ND(12,000)	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(950)	ND(3,200)	ND(5,400)	ND(3,500)	ND(2.5)	ND(1.8)	ND(2.6)	ND(1.8)	ND(2.3)	ND(2.3)	ND(1.8)	ND(2.2)	ND(1.8)	ND(2.2)	ND(150)	ND(2.6)	ND(1.7)	ND(290)	ND(2)	ND(2.8)	ND(3)	ND(2.8)	ND(520)	ND(660)	ND(1.8)	ND(2)	ND(2.1)	ND(1,200)	ND(12,000)	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(950)	ND(3,200)	ND(5,400)	ND(3,500)	ND(2.5)	ND(1.8)	ND(2.6)	ND(1.8)	ND(2.3)	ND(2.3)	ND(1.8)	ND(2.2)	ND(1.8)	ND(2.2)	ND(150)	ND(2.6)	ND(1.7)	ND(290)	ND(2)	ND(2.8)	ND(3)	ND(2.8)	ND(520)	ND(660)	ND(1.8)	ND(2)	ND(2.1)	ND(1,200)	ND(12,000)	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(950)	ND(3,200)	ND(5,400)	ND(3,500)	ND(2.5)	ND(1.8)	ND(2.6)	ND(1.8)	ND(2.3)	ND(2.3)	ND(1.8)	ND(2.2)	ND(1.8)	ND(2.2)	ND(150)	ND(2.6)	ND(1.7)	ND(290)	ND(2)	ND(2.8)	ND(3)	ND(2.8)	ND(520)	ND(660)	ND(1.8)	ND(2)	ND(2.1)	ND(1,200)	ND(12,000)	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	**6,700**	**130,000**	**50,000**	**43,000**	ND(2.5)	ND(1.8)	ND(2.6)	12	20	ND(2.3)	8	2.8	ND(1.8)	7.7	**7,700**	160	2.5	**600**	11	ND(2.8)	ND(3)	3.2	**5,500**	**5,200**	ND(1.8)	ND(2)	ND(2.1)	**36,000**	**380,000**	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(2,400)	ND(8,000)	ND(14,000)	ND(8,900)	ND(6.2)	ND(4.5)	ND(6.5)	ND(4.4)	ND(5.8)	ND(5.7)	ND(4.4)	ND(5.5)	ND(4.5)	ND(5.4)	ND(370)	ND(6.6)	ND(4.4)	ND(730)	ND(5.1)	ND(7.1)	ND(7.4)	ND(6.9)	ND(1,300)	ND(1,600)	ND(4.6)	ND(4.9)	ND(5.4)	ND(2,900)	ND(29,000)	ND(4.3)	ND(4.1)	ND(4.5)	ND(4.4)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	**2,100**	**51,000**	**19,000**	**16,000**	ND(2.5)	ND(1.8)	ND(2.6)	5.2	8.8	ND(2.3)	3	ND(2.2)	ND(1.8)	ND(2.2)	**1,400**	39	ND(1.7)	ND(290)	2.8	ND(2.8)	ND(3)	ND(2.8)	**2,200**	**2,100**	ND(1.8)	ND(2)	ND(2.1)	**14,000**	**150,000**	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(2,400)	ND(8,000)	ND(14,000)	ND(8,900)	ND(6.2)	ND(4.5)	ND(6.5)	ND(4.4)	ND(5.8)	ND(5.7)	ND(4.4)	ND(5.5)	ND(4.5)	ND(5.4)	ND(370)	ND(6.6)	ND(4.4)	ND(730)	ND(5.1)	ND(7.1)	ND(7.4)	ND(6.9)	ND(1,300)	ND(1,600)	ND(4.6)	ND(4.9)	ND(5.4)	ND(2,900)	ND(29,000)	ND(4.3)	ND(4.1)	ND(4.5)	ND(4.4)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	ND(9,500)	ND(32,000)	ND(54,000)	ND(35,000)	ND(25)	ND(18)	ND(26)	ND(18)	ND(23)	ND(23)	ND(18)	ND(22)	ND(18)	ND(22)	ND(1,500)	ND(26)	ND(17)	ND(2,900)	ND(20)	29	77	ND(28)	ND(5,200)	ND(6,600)	ND(18)	ND(20)	ND(21)	ND(12,000)	ND(120,000)	ND(17)	22	ND(18)	ND(17)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(9,500)	ND(32,000)	ND(54,000)	ND(35,000)	ND(25)	ND(18)	ND(26)	ND(18)	ND(23)	ND(23)	ND(18)	ND(22)	ND(18)	ND(22)	ND(1,500)	ND(26)	ND(17)	ND(2,900)	ND(20)	ND(28)	ND(30)	ND(28)	ND(5,200)	ND(6,600)	ND(18)	ND(20)	ND(21)	ND(12,000)	ND(120,000)	ND(17)	ND(16)	ND(18)	ND(17)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(9,500)	ND(32,000)	ND(54,000)	ND(35,000)	ND(25)	ND(18)	ND(26)	ND(18)	ND(23)	ND(23)	ND(18)	ND(22)	ND(18)	ND(22)	ND(1,500)	ND(26)	ND(17)	ND(2,900)	ND(20)	ND(28)	ND(30)	ND(28)	ND(5,200)	ND(6,600)	ND(18)	ND(20)	ND(21)	ND(12,000)	ND(120,000)	ND(17)	ND(16)	ND(18)	ND(17)
Acetone	500	500	500	500	500	µg/kg	ND(24,000)	ND(80,000)	ND(140,000)	ND(89,000)	69	140	ND(65)	ND(44)	ND(58)	71	ND(44)	ND(55)	ND(45)	ND(54)	ND(3,700)	ND(66)	ND(44)	ND(7,300)	ND(51)	84	150	ND(69)	ND(13,000)	ND(16,000)	63	68	ND(54)	ND(29,000)	ND(290,000)	ND(43)	73	ND(45)	ND(44)
Benzene	22	13	5	3	1	µg/kg	**780**	**4,600**	**3,600**	**5,300**	1.7	1	1.9	**670 D**	**200**	2.5	**19**	**16**	**38**	**200**	**90**	**29**	0.88	ND(150)	2.8	**28**	**23**	5.8	**380**	**870**	3	6.6	ND(1.1)	**750**	**21,000**	ND(0.86)	3.7	2	ND(0.87)
Bromobenzene	440	260	100	60	20	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(950)	ND(3,200)	ND(5,400)	ND(3,500)	ND(2.5)	ND(1.8)	ND(2.6)	ND(1.8)	ND(2.3)	ND(2.3)	ND(1.8)	ND(2.2)	ND(1.8)	ND(2.2)	ND(150)	ND(2.6)	ND(1.7)	ND(290)	ND(2)	ND(2.8)	ND(3)	ND(2.8)	ND(520)	ND(660)	ND(1.8)	ND(2)	ND(2.1)	ND(1,200)	ND(12,000)	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(2,400)	ND(8,000)	ND(14,000)	ND(8,900)	ND(6.2)	ND(4.5)	ND(6.5)	ND(4.4)	ND(5.8)	ND(5.7)	ND(4.4)	ND(5.5)	ND(4.5)	ND(5.4)	ND(370)	ND(6.6)	ND(4.4)	ND(730)	ND(5.1)	ND(7.1)	ND(7.4)	ND(6.9)	ND(1,300)	ND(1,600)	ND(4.6)	ND(4.9)	ND(5.4)	ND(2,900)	ND(29,000)	ND(4.3)	ND(4.1)	ND(4.5)	ND(4.4)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(9,500)	ND(32,000)	ND(54,000)	ND(35,000)	ND(25)	ND(18)	ND(26)	ND(18)	ND(23)	ND(23)	ND(18)	ND(22)	ND(18)	ND(22)	ND(1,500)	ND(26)	ND(17)	ND(2,900)	ND(20)	ND(28)	ND(30)	ND(28)	ND(5,200)	ND(6,600)	ND(18)	ND(20)	ND(21)	ND(12,000)	ND(120,000)	ND(17)	ND(16)	ND(18)	ND(17)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(4,800)	ND(16,000)	ND(27,000)	ND(18,000)	ND(12)	ND(8.9)	ND(13)	ND(8.9)	ND(12)	ND(11)	ND(8.8)	ND(11)	ND(9)	ND(11)	ND(730)	ND(13)	ND(8.7)	ND(1,500)	ND(10)	ND(14)	ND(15)	ND(14)	ND(2,600)	ND(3,300)	ND(9.1)	ND(9.8)	ND(11)	ND(5,800)	ND(58,000)	ND(8.6)	ND(8.2)	ND(8.9)	ND(8.7)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Chloroethane	850	850	850	850	850	µg/kg	ND(950)	ND(3,200)	ND(5,400)	ND(3,500)	ND(2.5)	ND(1.8)	ND(2.6)	ND(1.8)	ND(2.3)	ND(2.3)	ND(1.8)	ND(2.2)	ND(1.8)	ND(2.2)	ND(150)	ND(2.6)	ND(1.7)	ND(290)	ND(2)	ND(2.8)	ND(3)	ND(2.8)	ND(520)	ND(660)	ND(1.8)	ND(2)	ND(2.1)	ND(1,200)	ND(12,000)	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	**3.6**	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(9,500)	ND(32,000)	ND(54,000)	ND(35,000)	ND(25)	ND(18)	ND(26)	ND(18)	ND(23)	ND(23)	ND(18)	ND(22)	ND(18)	ND(22)	ND(1,500)	ND(26)	ND(17)	ND(2,900)	ND(20)	ND(28)	ND(30)	ND(28)	ND(5,200)	ND(6,600)	ND(18)	ND(20)	ND(21)	ND(12,000)	ND(120,000)	ND(17)	ND(16)	ND(18)	ND(17)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(950)	ND(3,200)	ND(5,400)	ND(3,500)	ND(2.5)	ND(1.8)	ND(2.6)	ND(1.8)	ND(2.3)	ND(2.3)	ND(1.8)	ND(2.2)	ND(1.8)	ND(2.2)	ND(150)	ND(2.6)	ND(1.7)	ND(290)	ND(2)	ND(2.8)	ND(3)	ND(2.8)	ND(520)	ND(660)	ND(1.8)	ND(2)	ND(2.1)	ND(1,200)	ND(12,000)	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(950)	ND(3,200)	ND(5,400)	ND(3,500)	ND(2.5)	ND(1.8)	ND(2.6)	ND(1.8)	ND(2.3)	ND(2.3)	ND(1.8)	ND(2.2)	ND(1.8)	ND(2.2)	ND(150)	ND(2.6)	ND(1.7)	ND(290)	ND(2)	ND(2.8)	ND(3)	ND(2.8)	ND(520)	ND(660)	ND(1.8)	ND(2)	ND(2.1)	ND(1,200)	ND(12,000)	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(240,000)	ND(800,000)	ND(1,400,000)	ND(890,000)	ND(620)	ND(450)	ND(650)	ND(440)	ND(580)	ND(570)	ND(440)	ND(550)	ND(450)	ND(540)	ND(37,000)	ND(660)	ND(440)	ND(73,000)	ND(510)	ND(710)	ND(740)	ND(690)	ND(130,000)	ND(160,000)	ND(460)	ND(490)	ND(540)	ND(290,000)	ND(2,900,000)	ND(430)	ND(410)	ND(450)	ND(440)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	**5,300**	**35,000**	**12,000**	**12,000**	2.2	0.94	2.5	55	45	ND(1.1)	2.9	4.5	2.9	13	900	40	1.3	290	4	2.7	7.1	5.5	**3,200**	**3,200**	4.2	1.1	ND(1.1)	**12,000**	**130,000**	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	1,500	**13,000**	**4,500**	**4,400**	ND(1.2)	ND(0.89)	ND(1.3)	2.6	3.5	ND(1.1)	3.1	2.4	ND(0.9)	3.9	760	17	0.94	420	7.2	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	2,100	**24,000**	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Methylene Chloride	77	65	25	15	5	µg/kg	ND(4,800)	ND(16,000)	ND(27,000)	ND(18,000)	ND(12)	ND(8.9)	ND(13)	ND(8.9)	ND(12)	ND(11)	ND(8.8)	ND(11)	ND(9)	ND(11)	ND(730)	ND(13)	ND(8.7)	ND(1,500)	ND(10)	ND(14)	ND(15)	ND(14)	ND(2,600)	ND(3,300)	ND(9.1)	ND(9.8)	ND(11)	ND(5,800)	ND(58,000)	ND(8.6)	ND(8.2)	ND(8.9)	ND(8.7)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	ND(950)	ND(3,200)	ND(5,400)	ND(3,500)	ND(2.5)	ND(1.8)	ND(2.6)	ND(1.8)	ND(2.3)	ND(2.3)	ND(1.8)	ND(2.2)	ND(1.8)	ND(2.2)	ND(150)	ND(2.6)	ND(1.7)	ND(290)	ND(2)	ND(2.8)	ND(3)	ND(2.8)	ND(520)	ND(660)	ND(1.8)	ND(2)	ND(2.1)	ND(1,200)	ND(12,000)	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	**5,300**	**26,000**	ND(27,000)	ND(18,000)	ND(12)	ND(8.9)	ND(13)	ND(8.9)	ND(12)	ND(11)	**9.4**	ND(11)	ND(9)	ND(11)	**5,600**	**220**	**14**	**4,000**	**78**	ND(14)	ND(15)	ND(14)	ND(2,600)	ND(3,300)	ND(9.1)	ND(9.8)	ND(11)	ND(5,800)	ND(58,000)	ND(8.6)	ND(8.2)	ND(8.9)	ND(8.7)
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	1,400	16,000	5,700	4,800	ND(1.2)	ND(0.89)	ND(1.3)	1.9	5.3	ND(1.1)	3.3	5.3	ND(0.9)	ND(1.1)	2,200	27	ND(0.87)	1,000	14	ND(1.4)	1.9	1.6	ND(260)	ND(330)	1.7	ND(0.98)	ND(1.1)	7,900	80,000	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	2,200	22,000	7,500	7,200	ND(2.5)	ND(1.8)	ND(2.6)	3.2	5	ND(2.3)	4	3.9	ND(1.8)	2.4	1,800	29	1.7	890	14	ND(1.4)	1.9	1.7	1,300	1,400	2.9	ND(0.98)	ND(1.1)	6,300	67,000	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	680	**47,000**	**11,000**	**11,000**	ND(1.2)	ND(0.89)	ND(1.3)	5.7	1.9	ND(1.1)	2.6	ND(1.1)	ND(0.9)	ND(1.1)	370	12	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	360	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	**14,000**	**69,000**	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	7,600	**190,000**	**71,000**	**72,000**	2.6	ND(1.8)	ND(2.6)	130	120	ND(2.3)	9.3	2.6	ND(1.8)	ND(2.2)	1,300	37	ND(1.7)	ND(290)	ND(2)	ND(2.8)	ND(3)	ND(2.8)	5,200	3,200	ND(1.8)	2.3	2.9	**50,000**	**470,000**	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	800	12,000	5,100	4,000	ND(1.2)	ND(0.89)	ND(1.3)	1.5	3.5	ND(1.1)	1.5	4.7	0.97	2.3	1,700	23	1.9	180	4.1	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	1,200	12,000	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	930	8,100	3,100	2,800	1.4	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	3.2	2.1	ND(0.9)	ND(1.1)	1,500	19	1.5	720	11	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	1.3	ND(0.98)	ND(1.1)	1,400	14,000	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Styrene	1,500	1,300	500	300	100	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(950)	ND(3,200)	ND(5,400)	ND(3,500)	ND(2.5)	ND(1.8)	ND(2.6)	ND(1.8)	ND(2.3)	ND(2.3)	ND(1.8)	ND(2.2)	ND(1.8)	ND(2.2)	ND(150)	ND(2.6)	ND(1.7)	ND(290)	ND(2)	ND(2.8)	ND(3)	ND(2.8)	ND(520)	ND(660)	ND(1.8)	ND(2)	ND(2.1)	ND(1,200)	ND(12,000)	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(9,500)	ND(32,000)	ND(54,000)	ND(35,000)	43	34	31	ND(18)	ND(23)	ND(23)	ND(18)	ND(22)	ND(18)	35	ND(1,500)	ND(26)	ND(17)	ND(2,900)	ND(20)	**130**	**140**	**80**	ND(5,200)	ND(6,600)	49	62	34	ND(12,000)	ND(120,000)	ND(17)	ND(16)	ND(18)	ND(17)
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	76	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Toluene	2,900	1,950	750	450	150	µg/kg	ND(480)	**4,300**	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	2.2	120	40	ND(1.1)	4.1	ND(1.1)	ND(0.9)	ND(1.1)	110	3.7	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	4.2	2	690	**8,800**	ND(0.86)	2.2	1.2	ND(0.87)
Trichloroethene	110	65	25	15	5	µg/kg	ND(950)	ND(3,200)	ND(5,400)	ND(3,500)	ND(2.5)	ND(1.8)	ND(2.6)	ND(1.8)	ND(2.3)	ND(2.3)	ND(1.8)	ND(2.2)	ND(1.8)	ND(2.2)	ND(150)	ND(2.6)	ND(1.7)	ND(290)	ND(2)	ND(2.8)	ND(3)	ND(2.8)	ND(520)	ND(660)	ND(1.8)	ND(2)	ND(2.1)	ND(1,200)	ND(12,000)	ND(1.7)	ND(1.6)	ND(1.8)	ND(1.7)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(4,800)	ND(16,000)	ND(27,000)	ND(18,000)	ND(12)	ND(8.9)	ND(13)	ND(8.9)	ND(12)	ND(11)	ND(8.8)	ND(11)	ND(9)	ND(11)	ND(730)	ND(13)	ND(8.7)	ND(1,500)	ND(10)	ND(14)	ND(15)	ND(14)	ND(2,600)	ND(3,300)	ND(9.1)	ND(9.8)	ND(11)	ND(5,800)	ND(58,000)	ND(8.6)	ND(8.2)	ND(8.9)	ND(8.7)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(4,800)	ND(16,000)	ND(27,000)	ND(18,000)	ND(12)	ND(8.9)	ND(13)	ND(8.9)	ND(12)	ND(11)	ND(8.8)	ND(11)	ND(9)	ND(11)	ND(730)	ND(13)	ND(8.7)	ND(1,500)	ND(10)	ND(14)	ND(15)	ND(14)	ND(2,600)	ND(3,300)	ND(9.1)	ND(9.8)	ND(11)	ND(5,800)	ND(58,000)	ND(8.6)	ND(8.2)	ND(8.9)	ND(8.7)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(480)	ND(1,600)	ND(2,700)	ND(1,800)	ND(1.2)	ND(0.89)	ND(1.3)	ND(0.89)	ND(1.2)	ND(1.1)	ND(0.88)	ND(1.1)	ND(0.9)	ND(1.1)	ND(73)	ND(1.3)	ND(0.87)	ND(150)	ND(1)	ND(1.4)	ND(1.5)	ND(1.4)	ND(260)	ND(330)	ND(0.91)	ND(0.98)	ND(1.1)	ND(580)	ND(5,800)	ND(0.86)	ND(0.82)	ND(0.89)	ND(0.87)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	**8,280**	**237,000**	**82,000**	**83,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND(290)	ND(2)	ND(2.8)	ND(3)	ND(2.8)	**5,560**	**3,200**	ND(1.8)	2.3	2.9	**64,000**	**539,000**	NA	NA	NA	NA

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID ident fication

J estimated concentration between the detection and reporting limits

µg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 36
VOC CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:							B309-40	B310-05	B310-10	B310-20	B310-30	B310-40	B311-05	B311-10	B311-20	B311-30	B311-40	B312-05	B312-10	B312-20	B312-30	B312-40	B313-05	B313-10	B313-20	B313-30	B313-40	B314-05	B314-10	B314-20	B314-30	B314-40	B315-05	B315-10	B315-20	B315-30	B315-40	B316-05	B316-10	B316-20
Approx. Depth[1] (feet bgs):							40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20
Date Collected:	CSLs by depth						01/19/09	02/04/08	02/04/08	02/04/08	02/04/08	02/04/08	02/05/08	02/05/08	02/05/08	02/05/08	02/05/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B309	B310	B310	B310	B310	B310	B311	B311	B311	B311	B311	B312	B312	B312	B312	B312	B313	B313	B313	B313	B313	B314	B314	B314	B314	B314	B315	B315	B315	B315	B315	B316	B316	B316
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(2.1)	ND(130)	ND(2.2)	ND(2.4)	ND(1.8)	ND(1.9)	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	ND(2.5)	ND(2)	ND(110)	ND(110)	ND(160)	ND(540)	ND(110)	ND(140)	ND(140)	ND(2.4)	ND(200)	ND(2.3)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(11)	ND(670)	ND(11)	ND(12)	ND(9)	ND(9.6)	ND(540)	ND(14)	ND(13)	ND(10)	ND(9.2)	ND(15)	ND(14)	ND(14)	ND(11)	ND(9.7)	ND(16)	ND(14)	ND(9.8)	ND(12)	ND(12)	ND(420)	ND(12)	ND(10)	ND(560)	ND(560)	ND(810)	ND(2,700)	ND(540)	ND(680)	ND(680)	ND(12)	ND(1,000)	ND(11)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2.1)	ND(130)	ND(2.2)	ND(2.4)	ND(1.8)	ND(1.9)	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	ND(2.5)	ND(2)	ND(110)	ND(110)	ND(160)	ND(540)	ND(110)	ND(140)	ND(140)	ND(2.4)	ND(200)	ND(2.3)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(2.1)	ND(130)	ND(2.2)	ND(2.4)	ND(1.8)	ND(1.9)	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	ND(2.5)	ND(2)	ND(110)	ND(110)	ND(160)	ND(540)	ND(110)	ND(140)	ND(140)	ND(2.4)	ND(200)	ND(2.3)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(2.1)	ND(130)	ND(2.2)	ND(2.4)	ND(1.8)	ND(1.9)	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	ND(2.5)	ND(2)	ND(110)	ND(110)	ND(160)	ND(540)	ND(110)	ND(140)	ND(140)	ND(2.4)	ND(200)	ND(2.3)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(2.1)	ND(130)	ND(2.2)	ND(2.4)	ND(1.8)	ND(1.9)	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	ND(2.5)	ND(2)	ND(110)	ND(110)	ND(160)	ND(540)	ND(110)	ND(140)	ND(140)	ND(2.4)	ND(200)	ND(2.3)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	ND(2.1)	**730**	78	57	15	6.4	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	ND(2.5)	8.3	ND(110)	**1,300**	ND(160)	ND(540)	ND(110)	ND(140)	ND(140)	ND(2.4)	ND(200)	ND(2.3)
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(5.3)	ND(330)	ND(5.6)	ND(5.9)	ND(4.5)	ND(4.8)	ND(270)	ND(7)	ND(6.3)	ND(5)	ND(4.6)	ND(7.6)	ND(6.8)	ND(6.8)	ND(5.7)	ND(4.8)	ND(7.9)	ND(7)	ND(4.9)	ND(6)	ND(6)	ND(210)	ND(6.2)	ND(5.1)	ND(280)	ND(280)	ND(400)	ND(1,400)	ND(270)	ND(340)	ND(340)	ND(5.9)	ND(510)	ND(5.7)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	ND(2.1)	140	28	25	6.2	2	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	ND(2.5)	4.5	ND(110)	**590**	ND(160)	ND(540)	ND(110)	ND(140)	ND(140)	ND(2.4)	ND(200)	ND(2.3)
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(5.3)	ND(330)	ND(5.6)	ND(5.9)	ND(4.5)	ND(4.8)	ND(270)	ND(7)	ND(6.3)	ND(5)	ND(4.6)	ND(7.6)	ND(6.8)	ND(6.8)	ND(5.7)	ND(4.8)	ND(7.9)	ND(7)	ND(4.9)	ND(6)	ND(6)	ND(210)	ND(6.2)	ND(5.1)	ND(280)	ND(280)	ND(400)	ND(1,400)	ND(270)	ND(340)	ND(340)	ND(5.9)	ND(510)	ND(5.7)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	ND(21)	ND(1,300)	ND(22)	ND(24)	ND(18)	ND(19)	ND(1,100)	ND(28)	ND(25)	ND(20)	ND(18)	ND(30)	ND(27)	ND(27)	ND(23)	ND(19)	ND(31)	ND(28)	ND(20)	ND(24)	ND(24)	ND(850)	ND(25)	ND(20)	ND(1,100)	ND(1,100)	ND(1,600)	ND(5,400)	ND(1,100)	ND(1,400)	ND(1,400)	ND(24)	ND(2,000)	ND(23)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(21)	ND(1,300)	ND(22)	ND(24)	ND(18)	ND(19)	ND(1,100)	ND(28)	ND(25)	ND(20)	ND(18)	ND(30)	ND(27)	ND(27)	ND(23)	ND(19)	ND(31)	ND(28)	ND(20)	ND(24)	ND(24)	ND(850)	ND(25)	ND(20)	ND(1,100)	ND(1,100)	ND(1,600)	ND(5,400)	ND(1,100)	ND(1,400)	ND(1,400)	ND(24)	ND(2,000)	ND(23)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(21)	ND(1,300)	ND(22)	ND(24)	ND(18)	ND(19)	ND(1,100)	ND(28)	ND(25)	ND(20)	ND(18)	ND(30)	ND(27)	ND(27)	ND(23)	ND(19)	ND(31)	ND(28)	ND(20)	ND(24)	ND(24)	ND(850)	ND(25)	ND(20)	ND(1,100)	ND(1,100)	ND(1,600)	ND(5,400)	ND(1,100)	ND(1,400)	ND(1,400)	ND(24)	ND(2,000)	ND(23)
Acetone	500	500	500	500	500	µg/kg	ND(53)	ND(3,300)	60	82	ND(45)	ND(48)	ND(2,700)	ND(70)	ND(63)	ND(50)	ND(46)	ND(76)	ND(68)	ND(68)	ND(57)	ND(48)	ND(79)	ND(70)	ND(49)	ND(60)	ND(60)	ND(2,100)	74	ND(51)	ND(2,800)	ND(2,800)	ND(4,000)	ND(14,000)	ND(2,700)	ND(3,400)	ND(3,400)	130	ND(5,100)	ND(57)
Benzene	22	13	5	3	1	µg/kg	3.4	**140**	**120**	**43**	4	**7.2**	ND(54)	ND(1.4)	12	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	0.99	ND(1.2)	ND(1.2)	**190**	**98**	**70**	**460**	**470**	**880**	**5,900**	**2,400**	**1,300**	**3,100**	ND(1.2)	ND(100)	2.1
Bromobenzene	440	260	100	60	20	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(2.1)	ND(130)	ND(2.2)	ND(2.4)	ND(1.8)	ND(1.9)	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	ND(2.5)	ND(2)	ND(110)	ND(110)	ND(160)	ND(540)	ND(110)	ND(140)	ND(140)	ND(2.4)	ND(200)	ND(2.3)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(5.3)	ND(330)	ND(5.6)	ND(5.9)	ND(4.5)	ND(4.8)	ND(270)	ND(7)	ND(6.3)	ND(5)	ND(4.6)	ND(7.6)	ND(6.8)	ND(6.8)	ND(5.7)	ND(4.8)	ND(7.9)	ND(7)	ND(4.9)	ND(6)	ND(6)	ND(210)	ND(6.2)	ND(5.1)	ND(280)	ND(280)	ND(400)	ND(1,400)	ND(270)	ND(340)	ND(340)	ND(5.9)	ND(510)	ND(5.7)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(21)	ND(1,300)	ND(22)	ND(24)	ND(18)	ND(19)	ND(1,100)	ND(28)	ND(25)	ND(20)	ND(18)	ND(30)	ND(27)	ND(27)	ND(23)	ND(19)	ND(31)	ND(28)	ND(20)	ND(24)	ND(24)	ND(850)	ND(25)	ND(20)	ND(1,100)	ND(1,100)	ND(1,600)	ND(5,400)	ND(1,100)	ND(1,400)	ND(1,400)	ND(24)	ND(2,000)	ND(23)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(11)	ND(670)	ND(11)	ND(12)	ND(9)	ND(9.6)	ND(540)	ND(14)	ND(13)	ND(10)	ND(9.2)	ND(15)	ND(14)	ND(14)	ND(11)	ND(9.7)	ND(16)	ND(14)	ND(9.8)	ND(12)	ND(12)	ND(420)	ND(12)	ND(10)	ND(560)	ND(560)	ND(810)	ND(2,700)	ND(540)	ND(680)	ND(680)	ND(12)	ND(1,000)	ND(11)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
Chloroethane	850	850	850	850	850	µg/kg	ND(2.1)	ND(130)	ND(2.2)	ND(2.4)	ND(1.8)	ND(1.9)	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	ND(2.5)	ND(2)	ND(110)	ND(110)	ND(160)	ND(540)	ND(110)	ND(140)	ND(140)	ND(2.4)	ND(200)	ND(2.3)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	**0.99**	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(21)	ND(1,300)	ND(22)	ND(24)	ND(18)	ND(19)	ND(1,100)	ND(28)	ND(25)	ND(20)	ND(18)	ND(30)	ND(27)	ND(27)	ND(23)	ND(19)	ND(31)	ND(28)	ND(20)	ND(24)	ND(24)	ND(850)	ND(25)	ND(20)	ND(1,100)	ND(1,100)	ND(1,600)	ND(5,400)	ND(1,100)	ND(1,400)	ND(1,400)	ND(24)	ND(2,000)	ND(23)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(2.1)	ND(130)	ND(2.2)	ND(2.4)	ND(1.8)	ND(1.9)	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	ND(2.5)	ND(2)	ND(110)	ND(110)	ND(160)	ND(540)	ND(110)	ND(140)	ND(140)	ND(2.4)	ND(200)	ND(2.3)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(2.1)	ND(130)	ND(2.2)	ND(2.4)	ND(1.8)	ND(1.9)	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	ND(2.5)	ND(2)	ND(110)	ND(110)	ND(160)	ND(540)	ND(110)	ND(140)	ND(140)	ND(2.4)	ND(200)	ND(2.3)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(530)	ND(33,000)	ND(560)	ND(590)	ND(450)	ND(480)	ND(27,000)	ND(700)	ND(630)	ND(500)	ND(460)	ND(760)	ND(680)	ND(680)	ND(570)	ND(480)	ND(790)	ND(700)	ND(490)	ND(600)	ND(600)	ND(21,000)	ND(620)	ND(510)	ND(28,000)	ND(28,000)	ND(40,000)	ND(140,000)	ND(27,000)	ND(34,000)	ND(34,000)	ND(590)	ND(51,000)	ND(570)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	ND(1.1)	330	70	16	ND(0.9)	1.9	110	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	14	8.9	56	410	ND(81)	ND(270)	460	75	170	ND(1.2)	ND(100)	ND(1.1)
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	ND(1.1)	120	16	3.8	ND(0.9)	ND(0.96)	150	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	1.7	1.7	ND(56)	88	210	340	180	ND(68)	ND(68)	ND(1.2)	1,900	ND(1.1)
Methylene Chloride	77	65	25	15	5	µg/kg	ND(11)	ND(670)	ND(11)	ND(12)	ND(9)	ND(9.6)	ND(540)	ND(14)	ND(13)	ND(10)	ND(9.2)	ND(15)	ND(14)	ND(14)	ND(11)	ND(9.7)	ND(16)	ND(14)	ND(9.8)	ND(12)	ND(12)	ND(420)	ND(12)	ND(10)	ND(560)	ND(560)	ND(810)	ND(2,700)	ND(540)	ND(680)	ND(680)	ND(12)	ND(1,000)	ND(11)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	ND(2.1)	ND(130)	3.6	ND(2.4)	ND(1.8)	ND(1.9)	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	ND(2.5)	ND(2)	ND(110)	ND(110)	ND(160)	ND(540)	ND(110)	ND(140)	ND(140)	ND(2.4)	ND(200)	ND(2.3)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	ND(11)	ND(670)	ND(11)	ND(12)	ND(9)	ND(9.6)	ND(540)	ND(14)	ND(13)	ND(10)	ND(9.2)	ND(15)	ND(14)	ND(14)	ND(11)	ND(9.7)	ND(16)	ND(14)	ND(9.8)	ND(12)	ND(12)	ND(420)	ND(12)	ND(10)	ND(560)	ND(560)	ND(810)	ND(2,700)	ND(540)	ND(680)	ND(680)	ND(12)	**13,000**	ND(11)
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1.1)	ND(67)	7.9	3.4	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	56	2.3	1.8	ND(56)	130	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	350	ND(1.1)
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(2.1)	150	20	3.8	ND(0.9)	ND(0.96)	210	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	2.4	1.9	ND(56)	160	210	460	230	ND(68)	ND(68)	ND(1.2)	3,300	ND(1.1)
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	ND(1.1)	ND(67)	2	ND(1.2)	ND(0.9)	1.3	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	600	ND(81)	ND(270)	ND(54)	ND(68)	85	ND(1.2)	ND(100)	ND(1.1)
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	ND(2.1)	260	66	49	19	7.1	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	8.2	10	ND(110)	1,900	ND(160)	ND(540)	180	ND(140)	140	ND(2.4)	ND(200)	ND(2.3)
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	ND(1.1)	160	5.8	3.9	ND(0.9)	ND(0.96)	170	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1.1)	150	6.6	3.4	ND(0.9)	ND(0.96)	210	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	1.1	ND(56)	ND(56)	320	830	260	ND(68)	ND(68)	ND(1.2)	2,600	ND(1.1)
Styrene	1,500	1,300	500	300	100	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2.1)	ND(130)	ND(2.2)	ND(2.4)	ND(1.8)	ND(1.9)	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	ND(2.5)	ND(2)	ND(110)	ND(110)	ND(160)	ND(540)	ND(110)	ND(140)	ND(140)	ND(2.4)	ND(200)	ND(2.3)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(21)	ND(1,300)	**110**	**250**	**180**	**96**	ND(1,100)	ND(28)	ND(25)	ND(20)	**86**	ND(30)	ND(27)	ND(27)	ND(23)	ND(19)	ND(31)	ND(28)	ND(20)	ND(24)	ND(24)	ND(850)	38	25	ND(1,100)	ND(1,100)	ND(1,600)	ND(5,400)	ND(1,100)	ND(1,400)	ND(1,400)	ND(24)	ND(2,000)	ND(23)
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	210	ND(1.1)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
Toluene	2,900	1,950	750	450	150	µg/kg	1.9	ND(67)	2.4	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	7.6	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	6.7	1.5	ND(56)	530	ND(81)	ND(270)	78	ND(68)	150	ND(1.2)	ND(100)	1.2
Trichloroethene	110	65	25	15	5	µg/kg	ND(2.1)	ND(130)	ND(2.2)	ND(2.4)	ND(1.8)	ND(1.9)	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	ND(2.5)	ND(2)	ND(110)	ND(110)	ND(160)	ND(540)	ND(110)	ND(140)	ND(140)	ND(2.4)	ND(200)	ND(2.3)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(11)	ND(670)	ND(11)	ND(12)	ND(9)	ND(9.6)	ND(540)	ND(14)	ND(13)	ND(10)	ND(9.2)	ND(15)	ND(14)	ND(14)	ND(11)	ND(9.7)	ND(16)	ND(14)	ND(9.8)	ND(12)	ND(12)	ND(420)	ND(12)	ND(10)	ND(560)	ND(560)	ND(810)	ND(2,700)	ND(540)	ND(680)	ND(680)	ND(12)	ND(1,000)	ND(11)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(11)	ND(670)	ND(11)	ND(12)	ND(9)	ND(9.6)	ND(540)	ND(14)	ND(13)	ND(10)	ND(9.2)	ND(15)	ND(14)	ND(14)	ND(11)	ND(9.7)	ND(16)	ND(14)	ND(9.8)	ND(12)	ND(12)	ND(420)	ND(12)	ND(10)	ND(560)	ND(560)	ND(810)	ND(2,700)	ND(540)	ND(680)	ND(680)	ND(12)	ND(1,000)	ND(11)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(1.1)	ND(67)	ND(1.1)	ND(1.2)	ND(0.9)	ND(0.96)	ND(54)	ND(1.4)	ND(1.3)	ND(1)	ND(0.92)	ND(1.5)	ND(1.4)	ND(1.4)	ND(1.1)	ND(0.97)	ND(1.6)	ND(1.4)	ND(0.98)	ND(1.2)	ND(1.2)	ND(42)	ND(1.2)	ND(1)	ND(56)	ND(56)	ND(81)	ND(270)	ND(54)	ND(68)	ND(68)	ND(1.2)	ND(100)	ND(1.1)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	NA	260	68	49	19	8.4	ND(110)	ND(2.8)	ND(2.5)	ND(2)	ND(1.8)	ND(3)	ND(2.7)	ND(2.7)	ND(2.3)	ND(1.9)	ND(3.1)	ND(2.8)	ND(2)	ND(2.4)	ND(2.4)	ND(85)	8.2	10	ND(110)	**2,500**	ND(160)	ND(540)	180	ND(140)	225	ND(2.4)	ND(200)	ND(2.3)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting limits

µg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 36
VOC CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:							B316-30	B316-40	B317-05	B317-10	B317-20	B317-30	B317-40	B318-05	B318-10	B318-20	B318-30	B318-40	B319-5	B319-10	B319-20	B319-30	B319-40	B320-05	B320-10	B320-20	B320-30	B320-40	B321-05	B321-10	B321-20	B321-30	B321-40	B322-05	B322-10	B322-20	B322-30	B322-40	B323-05	B323-10	B323-20	B323-30	B323-40
Approx. Depth[1] (feet bgs):							30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40
Date Collected:	CSLs by depth						01/30/08	01/30/08	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B316	B316	B317	B317	B317	B317	B317	B318	B318	B318	B318	B318	B319	B319	B319	B319	B319	B320	B320	B320	B320	B320	B321	B321	B321	B321	B321	B322	B322	B322	B322	B322	B323	B323	B323	B323	B323
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	ND(1.2)	ND(1.8)	ND(1.5)	ND(1.7)	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	ND(2.1)	ND(1.8)	ND(1.6)	ND(2)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	μg/kg	ND(14)	ND(11)	ND(17)	ND(11)	ND(11)	ND(12)	ND(11)	ND(6.3)	ND(5.9)	ND(9.1)	ND(7.5)	ND(8.3)	ND(10)	ND(9.7)	ND(7.7)	ND(11)	ND(11)	ND(14)	ND(9.5)	ND(13)	ND(10)	ND(13)	ND(20)	ND(12)	ND(13)	ND(12)	ND(11)	ND(13)	ND(11)	ND(10)	ND(8.9)	ND(8.2)	ND(10)	ND(11)	ND(11)	ND(9.7)	ND(9.9)
1,1,2-Trichloroethane	70	65	25	15	5	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
1,1-Dichloroethane	110	65	25	15	5	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
1,1-Dichloroethene	132	78	30	18	6	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
1,1-Dichloropropene	- -	- -	- -	- -	- -	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	ND(1.2)	ND(1.8)	ND(1.5)	ND(1.7)	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	ND(2.1)	ND(1.8)	ND(1.6)	ND(2)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	ND(1.2)	ND(1.8)	ND(1.5)	ND(1.7)	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	ND(2.1)	ND(1.8)	ND(1.6)	ND(2)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	ND(1.2)	ND(1.8)	ND(1.5)	ND(1.7)	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	ND(2.1)	ND(1.8)	ND(1.6)	ND(2)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)
1,2,4-Trichlorobenzene	110	65	25	15	5	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	ND(1.2)	ND(1.8)	ND(1.5)	ND(1.7)	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	ND(2.1)	ND(1.8)	ND(1.6)	ND(2)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)
1,2,4-Trimethylbenzene	330	195	75	45	15	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	17	80	2.8	2.3	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	6.1	ND(1.8)	ND(1.6)	ND(2)	ND(2.2)	6.8	ND(1.9)	ND(2)
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	μg/kg	ND(6.8)	ND(5.6)	ND(8.5)	ND(5.5)	ND(5.7)	ND(5.9)	ND(5.7)	ND(3.1)	ND(2.9)	ND(4.6)	ND(3.8)	ND(4.2)	ND(5.1)	ND(4.9)	ND(3.9)	ND(5.4)	ND(5.6)	ND(7.2)	ND(4.8)	ND(6.6)	ND(5.1)	ND(6.5)	ND(9.8)	ND(6.2)	ND(6.3)	ND(5.9)	ND(5.3)	ND(6.5)	ND(5.4)	ND(5.2)	ND(4.5)	ND(4.1)	ND(5.1)	ND(5.6)	ND(5.7)	ND(4.9)	ND(5)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
1,2-Dichloropropane	110	65	25	15	5	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
1,3,5-Trimethylbenzene	264	156	60	36	12	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	5.7	23	ND(1.5)	ND(1.7)	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	2.6	ND(1.8)	ND(1.6)	ND(2)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
1,4-Dichlorobenzene	590	590	375	225	75	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
2,2-Dichloropropane	- -	- -	- -	- -	- -	μg/kg	ND(6.8)	ND(5.6)	ND(8.5)	ND(5.5)	ND(5.7)	ND(5.9)	ND(5.7)	ND(3.1)	ND(2.9)	ND(4.6)	ND(3.8)	ND(4.2)	ND(5.1)	ND(4.9)	ND(3.9)	ND(5.4)	ND(5.6)	ND(7.2)	ND(4.8)	ND(6.6)	ND(5.1)	ND(6.5)	ND(9.8)	ND(6.2)	ND(6.3)	ND(5.9)	ND(5.3)	ND(6.5)	ND(5.4)	ND(5.2)	ND(4.5)	ND(4.1)	ND(5.1)	ND(5.6)	ND(5.7)	ND(4.9)	ND(5)
2-Butanone	3,900	3,900	3,900	3,900	3,900	μg/kg	ND(27)	ND(22)	ND(34)	ND(22)	ND(23)	ND(24)	ND(23)	ND(13)	ND(12)	ND(18)	ND(15)	ND(17)	ND(20)	ND(19)	ND(15)	ND(21)	ND(22)	ND(29)	ND(19)	ND(26)	ND(20)	ND(26)	ND(39)	ND(25)	ND(25)	ND(24)	ND(21)	ND(26)	ND(22)	39	150	ND(790)	ND(20)	ND(22)	ND(23)	ND(19)	ND(20)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
2-Hexanone	- -	- -	- -	- -	- -	μg/kg	ND(27)	ND(22)	ND(34)	ND(22)	ND(23)	ND(24)	ND(23)	ND(13)	ND(12)	ND(18)	ND(15)	ND(17)	ND(20)	ND(19)	ND(15)	ND(21)	ND(22)	ND(29)	ND(19)	ND(26)	ND(20)	ND(26)	ND(39)	ND(25)	ND(25)	ND(24)	ND(21)	ND(26)	ND(22)	ND(21)	ND(18)	ND(16)	ND(20)	ND(22)	ND(23)	ND(19)	ND(20)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	μg/kg	ND(27)	ND(22)	ND(34)	ND(22)	ND(23)	ND(24)	ND(23)	ND(13)	ND(12)	ND(18)	ND(15)	ND(17)	ND(20)	ND(19)	ND(15)	ND(21)	ND(22)	ND(29)	ND(19)	ND(26)	ND(20)	ND(26)	ND(39)	ND(25)	ND(25)	ND(24)	ND(21)	ND(26)	ND(22)	ND(21)	ND(18)	ND(16)	ND(20)	ND(22)	ND(23)	ND(19)	ND(20)
Acetone	500	500	500	500	500	μg/kg	ND(68)	ND(56)	ND(85)	ND(55)	ND(57)	ND(59)	ND(57)	ND(31)	ND(29)	50	ND(38)	ND(42)	160	ND(49)	ND(39)	ND(54)	ND(56)	ND(72)	ND(48)	ND(66)	ND(51)	ND(65)	ND(98)	ND(62)	ND(63)	ND(59)	ND(53)	ND(65)	ND(54)	61	95	ND(2,000)	62	ND(56)	ND(57)	ND(49)	ND(50)
Benzene	22	13	5	3	1	μg/kg	ND(1.4)	**8.6**	ND(1.7)	ND(1.1)	1.5	ND(1.2)	ND(1.1)	ND(0.63)	2.3	6	ND(0.75)	1	1.1	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	4.1	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	2.5	**12**	1.3	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
Bromobenzene	440	260	100	60	20	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
Bromochloromethane	- -	- -	- -	- -	- -	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	ND(1.2)	ND(1.8)	ND(1.5)	ND(1.7)	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	ND(2.1)	ND(1.8)	ND(1.6)	ND(2)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
Bromoform	187	110.5	42.5	25.5	8.5	μg/kg	ND(6.8)	ND(5.6)	ND(8.5)	ND(5.5)	ND(5.7)	ND(5.9)	ND(5.7)	ND(3.1)	ND(2.9)	ND(4.6)	ND(3.8)	ND(4.2)	ND(5.1)	ND(4.9)	ND(3.9)	ND(5.4)	ND(5.6)	ND(7.2)	ND(4.8)	ND(6.6)	ND(5.1)	ND(6.5)	ND(9.8)	ND(6.2)	ND(6.3)	ND(5.9)	ND(5.3)	ND(6.5)	ND(5.4)	ND(5.2)	ND(4.5)	ND(4.1)	ND(5.1)	ND(5.6)	ND(5.7)	ND(4.9)	ND(5)
Bromomethane	191.4	113.1	43.5	26.1	8.7	μg/kg	ND(27)	ND(22)	ND(34)	ND(22)	ND(23)	ND(24)	ND(23)	ND(13)	ND(12)	ND(18)	ND(15)	ND(17)	ND(20)	ND(19)	ND(15)	ND(21)	ND(22)	ND(29)	ND(19)	ND(26)	ND(20)	ND(26)	ND(39)	ND(25)	ND(25)	ND(24)	ND(21)	ND(26)	ND(22)	ND(21)	ND(18)	ND(16)	ND(20)	ND(22)	ND(23)	ND(19)	ND(20)
c-1,2-Dichloroethene	132	78	30	18	6	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	μg/kg	ND(14)	ND(11)	ND(17)	ND(11)	ND(11)	ND(12)	ND(11)	ND(6.3)	ND(5.9)	ND(9.1)	ND(7.5)	ND(8.3)	14	ND(9.7)	ND(7.7)	ND(11)	ND(11)	ND(14)	ND(9.5)	ND(13)	ND(10)	ND(13)	ND(20)	ND(12)	ND(13)	ND(12)	ND(11)	ND(13)	ND(11)	ND(10)	ND(8.9)	ND(8.2)	ND(10)	ND(11)	ND(11)	ND(9.7)	ND(9.9)
Carbon Tetrachloride	20	20	20	15	5	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
Chlorobenzene	1,500	910	350	210	70	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
Chloroethane	850	850	850	850	850	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	ND(1.2)	ND(1.8)	ND(1.5)	ND(1.7)	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	ND(2.1)	ND(1.8)	ND(1.6)	ND(2)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)
Chloroform	4.18	2.47	0.95	0.57	0.19	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
Chloromethane	39.6	23.4	9	5.4	1.8	μg/kg	ND(27)	ND(22)	ND(34)	ND(22)	ND(23)	ND(24)	ND(23)	ND(13)	ND(12)	ND(18)	ND(15)	ND(17)	ND(20)	ND(19)	ND(15)	ND(21)	ND(22)	ND(29)	ND(19)	ND(26)	ND(20)	ND(26)	ND(39)	ND(25)	ND(25)	ND(24)	ND(21)	ND(26)	ND(22)	ND(21)	ND(18)	ND(16)	ND(20)	ND(22)	ND(23)	ND(19)	ND(20)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	ND(1.2)	ND(1.8)	ND(1.5)	ND(1.7)	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	ND(2.1)	ND(1.8)	ND(1.6)	ND(2)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)
Dibromomethane	8,140	4,810	1,850	1,110	370	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	ND(1.2)	ND(1.8)	ND(1.5)	ND(1.7)	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	ND(2.1)	ND(1.8)	ND(1.6)	ND(2)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
Ethanol	- -	- -	- -	- -	- -	μg/kg	ND(680)	ND(560)	ND(850)	ND(550)	ND(570)	ND(590)	ND(570)	ND(310)	ND(290)	ND(460)	ND(380)	ND(420)	ND(510)	ND(490)	ND(390)	ND(540)	ND(560)	ND(720)	ND(480)	ND(660)	ND(510)	ND(650)	ND(980)	ND(620)	ND(630)	ND(590)	ND(530)	ND(650)	ND(540)	ND(520)	ND(450)	ND(410)	ND(510)	ND(560)	ND(570)	ND(490)	ND(500)
Ethylbenzene	2,300	3,300	1,500	900	300	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	8.1	42	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	1.8	1.1	ND(0.82)	ND(1)	ND(1.1)	1.6	ND(0.97)	ND(0.99)
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	2.5	12	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	1.4	ND(0.97)	ND(0.99)
Methylene Chloride	77	65	25	15	5	μg/kg	ND(14)	ND(11)	ND(17)	ND(11)	ND(11)	ND(12)	ND(11)	ND(6.3)	ND(5.9)	ND(9.1)	ND(7.5)	ND(8.3)	ND(10)	ND(9.7)	ND(7.7)	ND(11)	ND(11)	ND(14)	ND(9.5)	ND(13)	ND(10)	ND(13)	ND(20)	ND(12)	ND(13)	ND(12)	ND(11)	ND(13)	ND(11)	ND(10)	ND(8.9)	ND(8.2)	ND(10)	ND(11)	ND(11)	ND(9.7)	ND(9.9)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	ND(1.2)	ND(1.8)	ND(1.5)	ND(1.7)	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	ND(2.1)	ND(1.8)	ND(1.6)	ND(2)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)
Naphthalene	3.08	1.82	0.7	0.42	0.14	μg/kg	ND(14)	ND(11)	ND(17)	ND(11)	ND(11)	ND(12)	ND(11)	ND(6.3)	**16**	**63**	ND(7.5)	ND(8.3)	ND(10)	ND(9.7)	ND(7.7)	**15**	ND(11)	ND(14)	ND(9.5)	ND(13)	ND(10)	ND(13)	ND(20)	ND(12)	ND(13)	ND(12)	ND(11)	ND(13)	ND(11)	ND(10)	ND(8.9)	ND(8.2)	ND(10)	ND(11)	**13**	ND(9.7)	ND(9.9)
n-Butylbenzene	- -	- -	- -	- -	- -	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	2.2	8	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	2.9	ND(0.97)	ND(0.99)
n-Propylbenzene	- -	- -	- -	- -	- -	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	3.6	17	ND(0.75)	ND(0.83)	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	3.3	ND(0.97)	ND(0.99)
o-Xylene	30,800	18,200	7,000	4,200	1,400	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	3.4	12	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	2.8	1.1	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	22	87	2	ND(1.7)	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	7.1	3.9	ND(1.6)	ND(2)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)
p-Isopropyltoluene	- -	- -	- -	- -	- -	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	1.8	6.9	ND(0.75)	ND(0.83)	ND(1)	2.5	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
sec-Butylbenzene	- -	- -	- -	- -	- -	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	1.4	5.4	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	2.7	ND(0.97)	ND(0.99)
Styrene	1,500	1,300	500	300	100	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
t-1,2-Dichloroethene	220	130	50	30	10	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	ND(1.2)	ND(1.8)	ND(1.5)	ND(1.7)	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	ND(2.1)	ND(1.8)	ND(1.6)	ND(2)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	μg/kg	ND(27)	ND(22)	ND(34)	ND(22)	ND(23)	ND(24)	ND(23)	ND(13)	ND(12)	ND(18)	ND(15)	ND(17)	ND(20)	ND(19)	ND(15)	ND(21)	ND(22)	ND(29)	ND(19)	ND(26)	ND(20)	ND(26)	ND(39)	ND(25)	ND(25)	ND(24)	ND(21)	ND(26)	ND(22)	ND(21)	ND(18)	23	ND(20)	ND(22)	ND(23)	ND(19)	ND(20)
tert-Butylbenzene	- -	- -	- -	- -	- -	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
Tetrachloroethene	110	65	25	15	5	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
Toluene	2,900	1,950	750	450	150	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	0.96	3.5	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	2.2	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	6.4	7.1	0.88	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
Trichloroethene	110	65	25	15	5	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	ND(1.2)	ND(1.8)	ND(1.5)	ND(1.7)	ND(2)	ND(1.9)	ND(1.5)	ND(2.1)	ND(2.2)	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	ND(2.1)	ND(1.8)	ND(1.6)	ND(2)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)
Trichlorofluoromethane	3,300	1,950	750	450	150	μg/kg	ND(14)	ND(11)	ND(17)	ND(11)	ND(11)	ND(12)	ND(11)	ND(6.3)	ND(5.9)	ND(9.1)	ND(7.5)	ND(8.3)	ND(10)	ND(9.7)	ND(7.7)	ND(11)	ND(11)	ND(14)	ND(9.5)	ND(13)	ND(10)	ND(13)	ND(20)	ND(12)	ND(13)	ND(12)	ND(11)	ND(13)	ND(11)	ND(10)	ND(8.9)	ND(8.2)	ND(10)	ND(11)	ND(11)	ND(9.7)	ND(9.9)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	μg/kg	ND(14)	ND(11)	ND(17)	ND(11)	ND(11)	ND(12)	ND(11)	ND(6.3)	ND(5.9)	ND(9.1)	ND(7.5)	ND(8.3)	ND(10)	ND(9.7)	ND(7.7)	ND(11)	ND(11)	ND(14)	ND(9.5)	ND(13)	ND(10)	ND(13)	ND(20)	ND(12)	ND(13)	ND(12)	ND(11)	ND(13)	ND(11)	ND(10)	ND(8.9)	ND(8.2)	ND(10)	ND(11)	ND(11)	ND(9.7)	ND(9.9)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	μg/kg	ND(1.4)	ND(1.1)	ND(1.7)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.63)	ND(0.59)	ND(0.91)	ND(0.75)	ND(0.83)	ND(1)	ND(0.97)	ND(0.77)	ND(1.1)	ND(1.1)	ND(1.4)	ND(0.95)	ND(1.3)	ND(1)	ND(1.3)	ND(2)	ND(1.2)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.3)	ND(1.1)	ND(1)	ND(0.89)	ND(0.82)	ND(1)	ND(1.1)	ND(1.1)	ND(0.97)	ND(0.99)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	μg/kg	ND(2.7)	ND(2.2)	ND(3.4)	ND(2.2)	ND(2.3)	ND(2.4)	ND(2.3)	ND(1.3)	25.4	99	2	ND(1.7)	NA	NA	NA	NA	NA	ND(2.9)	ND(1.9)	ND(2.6)	ND(2)	ND(2.6)	ND(3.9)	ND(2.5)	ND(2.5)	ND(2.4)	ND(2.1)	ND(2.6)	ND(2.2)	9.9	5	ND(1.6)	ND(2)	ND(2.2)	ND(2.3)	ND(1.9)	ND(2)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs below ground surface

CSL Cleanup Screening Level

D The analyte concentration was reported from analysis of the diluted sample.

ID identification

J estimated concentration between the detection and reporting limits

μg/kg micrograms per kilogram

NA not analyzed

ND analyte not detected at reporting limit shown

VOC volatile organic compound

TABLE 36
VOC CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:							B324-000	B324-022	B325-000	B325-022	B326-000	B326-022
Approx. Depth[1] (feet bgs):	CSLs by depth											
Date Collected:							04/08/08	04/08/08	04/08/08	04/08/08	04/08/08	04/08/08
Location ID:	2 - 5	10 - 20	30 - 40	50 - 60	70 - 90	Unit	B324	B324	B325	B325	B326	B326
1,1,1,2-Tetrachloroethane	11.44	6.76	2.6	1.56	0.52	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
1,1,1-Trichloroethane	4,400	2,600	1,000	600	200	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
1,1,2,2-Tetrachloroethane	18	13	5	3	1	µg/kg	ND(2)	ND(2.5)	ND(2.5)	ND(2.3)	ND(2.4)	ND(2.5)
1,1,2-Trichloro-1,2,2-Trifluoroethane	26,400	15,600	6,000	3,600	1,200	µg/kg	ND(10)	ND(13)	ND(12)	ND(11)	ND(12)	ND(13)
1,1,2-Trichloroethane	70	65	25	15	5	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
1,1-Dichloroethane	110	65	25	15	5	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
1,1-Dichloroethene	132	78	30	18	6	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
1,1-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(2.5)	ND(2.5)	ND(2.3)	ND(2.4)	ND(2.5)
1,2,3-Trichlorobenzene	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(2.5)	ND(2.5)	ND(2.3)	ND(2.4)	ND(2.5)
1,2,3-Trichloropropane	0.2112	0.1248	0.048	0.0288	0.0096	µg/kg	ND(2)	ND(2.5)	ND(2.5)	ND(2.3)	ND(2.4)	ND(2.5)
1,2,4-Trichlorobenzene	110	65	25	15	5	µg/kg	ND(2)	ND(2.5)	ND(2.5)	ND(2.3)	ND(2.4)	ND(2.5)
1,2,4-Trimethylbenzene	330	195	75	45	15	µg/kg	4	ND(2.5)	22	ND(2.3)	ND(2.4)	ND(2.5)
1,2-Dibromo-3-Chloropropane	4.4	2.6	1	0.6	0.2	µg/kg	ND(5.1)	ND(6.3)	ND(6.2)	ND(5.7)	ND(6)	ND(6.3)
1,2-Dibromoethane	0.33	0.33	0.25	0.15	0.05	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
1,2-Dichlorobenzene	1,100	1,100	1,100	1,100	600	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
1,2-Dichloroethane	4.5	4.5	2.5	1.5	0.5	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
1,2-Dichloropropane	110	65	25	15	5	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
1,3,5-Trimethylbenzene	264	156	60	36	12	µg/kg	ND(2)	ND(2.5)	ND(2.5)	ND(2.3)	ND(2.4)	ND(2.5)
1,3-Dichlorobenzene	7,400	7,400	7,400	7,400	7,400	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
1,3-Dichloropropane	16,060	9,490	3,650	2,190	730	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
1,4-Dichlorobenzene	590	590	375	225	75	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
2,2-Dichloropropane	- -	- -	- -	- -	- -	µg/kg	ND(5.1)	ND(6.3)	ND(6.2)	ND(5.7)	ND(6)	ND(6.3)
2-Butanone	3,900	3,900	3,900	3,900	3,900	µg/kg	26	ND(25)	100	ND(23)	ND(24)	ND(25)
2-Chlorotoluene	16,060	9,490	3,650	2,190	730	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
2-Hexanone	- -	- -	- -	- -	- -	µg/kg	ND(20)	ND(25)	ND(25)	ND(23)	ND(24)	ND(25)
4-Chlorotoluene	57,200	33,800	13,000	7,800	2,600	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
4-Methyl-2-Pentanone	2,800	2,800	2,800	2,800	2,000	µg/kg	ND(20)	ND(25)	ND(25)	ND(23)	ND(24)	ND(25)
Acetone	500	500	500	500	500	µg/kg	110	91	ND(3,000)	90	65	67
Benzene	22	13	5	3	1	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
Bromobenzene	440	260	100	60	20	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
Bromochloromethane	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(2.5)	ND(2.5)	ND(2.3)	ND(2.4)	ND(2.5)
Bromodichloromethane	24.2	14.3	5.5	3.3	1.1	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
Bromoform	187	110.5	42.5	25.5	8.5	µg/kg	ND(5.1)	ND(6.3)	ND(6.2)	ND(5.7)	ND(6)	ND(6.3)
Bromomethane	191.4	113.1	43.5	26.1	8.7	µg/kg	ND(20)	ND(25)	ND(25)	ND(23)	ND(24)	ND(25)
c-1,2-Dichloroethene	132	78	30	18	6	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
c-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
Carbon Disulfide	22,000	13,000	5,000	3,000	1,000	µg/kg	ND(10)	ND(13)	ND(12)	ND(11)	ND(12)	ND(13)
Carbon Tetrachloride	20	20	20	15	5	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
Chlorobenzene	1,500	910	350	210	70	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
Chloroethane	850	850	850	850	850	µg/kg	ND(2)	ND(2.5)	ND(2.5)	ND(2.3)	ND(2.4)	ND(2.5)
Chloroform	4.18	2.47	0.95	0.57	0.19	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
Chloromethane	39.6	23.4	9	5.4	1.8	µg/kg	ND(20)	ND(25)	ND(25)	ND(23)	ND(24)	ND(25)
Dibromochloromethane	17.6	10.4	4	2.4	0.8	µg/kg	ND(2)	ND(2.5)	ND(2.5)	ND(2.3)	ND(2.4)	ND(2.5)
Dibromomethane	8,140	4,810	1,850	1,110	370	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
Dichlorodifluoromethane	8,580	5,070	1,950	1,170	390	µg/kg	ND(2)	ND(2.5)	ND(2.5)	ND(2.3)	ND(2.4)	ND(2.5)
Diisopropyl Ether (DIPE)	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
Ethanol	- -	- -	- -	- -	- -	µg/kg	ND(510)	ND(630)	ND(620)	ND(570)	ND(600)	ND(630)
Ethylbenzene	2,300	3,300	1,500	900	300	µg/kg	ND(1)	ND(1.3)	2.6	ND(1.1)	ND(1.2)	ND(1.3)
Ethyl tert-Butyl Ether (ETBE)	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
Isopropylbenzene	14,960	8,840	3,400	2,040	680	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
Methylene Chloride	77	65	25	15	5	µg/kg	ND(10)	ND(13)	ND(12)	ND(11)	ND(12)	ND(13)
Methyl tert-Butyl Ether (MTBE)	23	23	23	23	13	µg/kg	ND(2)	ND(2.5)	ND(2.5)	ND(2.3)	ND(2.4)	ND(2.5)
Naphthalene	3.08	1.82	0.7	0.42	0.14	µg/kg	ND(10)	ND(13)	**39**	ND(11)	ND(12)	ND(13)
n-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	3.2	ND(1.3)	11	ND(1.1)	ND(1.2)	ND(1.3)
n-Propylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	5.4	ND(1.1)	ND(1.2)	ND(1.3)
o-Xylene	30,800	18,200	7,000	4,200	1,400	µg/kg	1.2	ND(1.3)	6.2	ND(1.1)	ND(1.2)	ND(1.3)
p/m-Xylenes	30,800	18,200	7,000	4,200	1,400	µg/kg	3	ND(2.5)	11	ND(2.3)	ND(2.4)	ND(2.5)
p-Isopropyltoluene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
sec-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	1.4	ND(1.1)	ND(1.2)	ND(1.3)
Styrene	1,500	1,300	500	300	100	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
t-1,2-Dichloroethene	220	130	50	30	10	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
t-1,3-Dichloropropene	- -	- -	- -	- -	- -	µg/kg	ND(2)	ND(2.5)	ND(2.5)	ND(2.3)	ND(2.4)	ND(2.5)
Tert-Amyl-Methyl Ether (TAME)	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
Tert-Butyl Alcohol (TBA)	75	75	75	75	75	µg/kg	ND(20)	ND(25)	ND(25)	ND(23)	ND(24)	ND(25)
tert-Butylbenzene	- -	- -	- -	- -	- -	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
Tetrachloroethene	110	65	25	15	5	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
Toluene	2,900	1,950	750	450	150	µg/kg	ND(1)	ND(1.3)	1.9	ND(1.1)	ND(1.2)	ND(1.3)
Trichloroethene	110	65	25	15	5	µg/kg	ND(2)	ND(2.5)	ND(2.5)	ND(2.3)	ND(2.4)	ND(2.5)
Trichlorofluoromethane	3,300	1,950	750	450	150	µg/kg	ND(10)	ND(13)	ND(12)	ND(11)	ND(12)	ND(13)
Vinyl Acetate	9,020	5,330	2,050	1,230	410	µg/kg	ND(10)	ND(13)	ND(12)	ND(11)	ND(12)	ND(13)
Vinyl Chloride	11	6.5	2.5	1.5	0.5	µg/kg	ND(1)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)
Xylenes, total	2,300	2,300	2,300	2,300	1,750	µg/kg	NA	NA	NA	NA	NA	NA

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs below ground surface
CSL Cleanup Screening Level
D The analyte concentration was reported from analysis of the diluted sample.
ID identification
J estimated concentration between the detection and reporting limits
µg/kg micrograms per kilogram
NA not analyzed
ND analyte not detected at reporting limit shown
VOC volatile organic compound

TABLE 37
PAH DETECTION FREQUENCY IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte	Approximate Depth[1] (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
1-Methylnaphthalene	5	24	250,000	20	75	26.7
	10	6.4	120,000	17	76	22.4
	20	6.7	250,000	14	75	18.7
	30	120	110,000	10	75	13.3
	40	22	100,000	16	76	21.1
	50	21	45,000	7	20	35.0
	60	22	57,000	6	19	31.6
	70	36	15,000	4	19	21.1
	80	90	9,200	7	20	35.0
	90	320	14,000	9	20	45.0
2-Methylnaphthalene	5	24	550,000	22	75	29.3
	10	7.2	200,000	18	76	23.7
	20	11	400,000	15	75	20.0
	30	25	190,000	13	75	17.3
	40	23	200,000	19	76	25.0
	50	29	79,000	7	20	35.0
	60	36	99,000	7	19	36.8
	70	64	25,000	4	19	21.1
	80	26	17,000	8	20	40.0
	90	26	26,000	9	20	45.0
Acenaphthene	5	55	3,100	7	75	9.3
	10	0.2	1,500	7	76	9.2
	20	290	290	1	75	1.3
	30	100	100	1	75	1.3
	50	70	70	1	20	5.0
	90	28	59	3	20	15.0
Acenaphthylene	5	280	280	1	75	1.3
	10	22	280	2	76	2.6
	30	75	75	1	75	1.3
	50	39	39	1	20	5.0
Anthracene	5	250	6,500	2	75	2.7
	10	370	770	2	76	2.6
Benzo(a)anthracene	5	27	6,300	5	75	6.7
	10	590	680	2	76	2.6
Benzo(a)pyrene	5	35	5,900	3	75	4.0
	10	240	670	2	76	2.6
Benzo(b)fluoranthene	5	32	3,800	3	75	4.0
	10	210	480	2	76	2.6
Benzo(ghi)perylene	5	23	1,500	4	75	5.3
	10	330	330	1	76	1.3
Benzo(k)fluoranthene	5	39	4,900	3	75	4.0
	10	620	620	1	76	1.3
Chrysene	5	41	6,400	7	75	9.3
	10	27	1,100	4	76	5.3
Dibenzo(a,h)anthracene	5	50	570	2	75	2.7

TABLE 37
PAH DETECTION FREQUENCY IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte	Approximate Depth[1] (feet bgs)	Minimum Detection (µg/kg)	Maximum Detection (µg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
Fluoranthene	5	23	18,000	8	75	10.7
	10	440	1,800	3	76	3.9
Fluorene	5	110	11,000	9	75	12.0
	10	22	6,700	9	76	11.8
	20	84	27,000	6	75	8.0
	30	39	3,300	3	75	4.0
	40	240	6,100	3	76	3.9
	50	23	190	2	20	10.0
	60	3,600	3,600	1	19	5.3
	80	23	220	2	20	10.0
	90	40	1,200	4	20	20.0
Indeno(1,2,3-cd)pyrene	5	25	2,400	3	75	4.0
	10	380	380	1	76	1.3
Naphthalene	5	0.65	300,000	14	75	18.7
	10	31	72,000	17	76	22.4
	20	2.7	200,000	11	75	14.7
	30	31	160,000	14	75	18.7
	40	26	110,000	12	76	15.8
	50	36	120,000	5	20	25.0
	60	55	51,000	4	19	21.1
	70	35	26,000	4	19	21.1
	80	28	24,000	7	20	35.0
	90	25	35,000	9	20	45.0
Phenanthrene	5	30	22,000	13	75	17.3
	10	4.7	10,000	10	76	13.2
	20	1.9	27,000	9	75	12.0
	30	240	5,000	4	75	5.3
	40	86	6,500	4	76	5.3
	50	37	290	2	20	10.0
	60	28	3,700	2	19	10.5
	80	28	310	2	20	10.0
	90	58	380	3	20	15.0
Pyrene	5	44	16,000	11	75	14.7
	10	760	2,400	3	76	3.9
	40	35	35	1	76	1.3

NOTES:
[1]Refer to the boring logs for exact sample depths
bgs = below ground surface
µg/kg = micrograms per kilogram
PAH = polycyclic aromatic hydrocarbon

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B244-05	B244-10	B244-20	B244-30	B244-40	B244-50	B244-60	B244-70	B244-80	B244-90	B245-05	B245-10	B245-20	B245-30	B245-40	B245-50	B245-60	B245-70
Approx. Depth[1] (feet bgs):			5	10	20	30	40	50	60	70	80	90	5	10	20	30	40	50	60	70
Date Collected:			01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08
Location ID:	CSL	Unit	B244	B244	B244	B244	B244	B244	B244	B244	B244	B244	B245	B245	B245	B245	B245	B245	B245	B245
1-Methylnaphthalene	22,000	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	29	22	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
2-Methylnaphthalene	250	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	42	66	43	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
Acenaphthene	16,000	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	ND(22)	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
Acenaphthylene	13,000	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	ND(22)	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
Anthracene	2,800	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	ND(22)	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
Benzo(a)anthracene	150	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	ND(22)	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
Benzo(a)pyrene	15	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	ND(22)	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
Benzo(b)fluoranthene	150	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	ND(22)	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
Benzo(ghi)perylene	27,000	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	ND(22)	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
Benzo(k)fluoranthene	380	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	ND(22)	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
Chrysene	15,000	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	ND(22)	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
D benzo(a,h)anthracene	15	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	ND(22)	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
Fluoranthene	40,000	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	ND(22)	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
Fluorene	8,900	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	ND(22)	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	ND(22)	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
Naphthalene	1,300	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	36	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
Phenanthrene	11,000	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	ND(22)	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)
Pyrene	85,000	µg/kg	ND(23)	ND(24)	ND(21)	ND(21)	ND(22)	ND(22)	ND(22)	ND(23)	ND(22)	ND(21)	ND(23)	ND(24)	ND(21)	ND(22)	ND(21)	ND(23)	ND(21)	ND(21)

NOTES:

[1]Refer to the boring logs for exact sample dep hs

Detec ions exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentra ion between
the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B245-80	B245-90	B246-5	B246-10	B246-20	B246-30	B246-40	B246-50	B246-60	B246-70	B246-80	B246-90	B247-05	B247-10	B247-20	B247-30	B247-40	B247-50	B247-60	B247-70	B247-80	B247-90
Approx. Depth[1] (feet bgs):			80	90	5	10	20	30	40	50	60	70	80	90	5	10	20	30	40	50	60	70	80	90
Date Collected:			01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08
Location ID:	CSL	Unit	B245	B245	B246	B246	B246	B246	B246	B246	B246	B246	B246	B246	B247	B247	B247	B247	B247	B247	B247	B247	B247	B247
1-Methylnaphthalene	22,000	µg/kg	ND(21)	ND(21)	ND(23)	320	ND(21)	ND(27)	ND(21)	720	16,000	ND(22)	ND(21)	1,900	410	25	62	ND(100)	53	43	79	ND(24)	2,800	14,000
2-Methylnaphthalene	250	µg/kg	ND(21)	ND(21)	ND(23)	**380**	ND(21)	ND(27)	ND(21)	**800**	**24,000**	ND(22)	ND(21)	**2,500**	**340**	42	110	110	92	72	170	ND(24)	**5,000**	**26,000**
Acenaphthene	16,000	µg/kg	ND(21)	ND(21)	ND(23)	51	ND(21)	ND(27)	ND(21)	70	ND(2,100)	ND(22)	ND(21)	ND(210)	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	ND(21)	ND(24)	ND(210)	ND(1,100)
Acenaphthylene	13,000	µg/kg	ND(21)	ND(21)	ND(23)	ND(24)	ND(21)	ND(27)	ND(21)	39	ND(2,100)	ND(22)	ND(21)	ND(210)	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	ND(21)	ND(24)	ND(210)	ND(1,100)
Anthracene	2,800	µg/kg	ND(21)	ND(21)	ND(23)	ND(24)	ND(21)	ND(27)	ND(21)	ND(21)	ND(2,100)	ND(22)	ND(21)	ND(210)	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	ND(21)	ND(24)	ND(210)	ND(1,100)
Benzo(a)anthracene	150	µg/kg	ND(21)	ND(21)	ND(23)	ND(24)	ND(21)	ND(27)	ND(21)	ND(21)	ND(2,100)	ND(22)	ND(21)	ND(210)	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	ND(21)	ND(24)	ND(210)	ND(1,100)
Benzo(a)pyrene	15	µg/kg	ND(21)	ND(21)	ND(23)	ND(24)	ND(21)	ND(27)	ND(21)	ND(21)	ND(2,100)	ND(22)	ND(21)	ND(210)	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	ND(21)	ND(24)	ND(210)	ND(1,100)
Benzo(b)fluoranthene	150	µg/kg	ND(21)	ND(21)	ND(23)	ND(24)	ND(21)	ND(27)	ND(21)	ND(21)	ND(2,100)	ND(22)	ND(21)	ND(210)	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	ND(21)	ND(24)	ND(210)	ND(1,100)
Benzo(ghi)perylene	27,000	µg/kg	ND(21)	ND(21)	ND(23)	ND(24)	ND(21)	ND(27)	ND(21)	ND(21)	ND(2,100)	ND(22)	ND(21)	ND(210)	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	ND(21)	ND(24)	ND(210)	ND(1,100)
Benzo(k)fluoranthene	380	µg/kg	ND(21)	ND(21)	ND(23)	ND(24)	ND(21)	ND(27)	ND(21)	ND(21)	ND(2,100)	ND(22)	ND(21)	ND(210)	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	ND(21)	ND(24)	ND(210)	ND(1,100)
Chrysene	15,000	µg/kg	ND(21)	ND(21)	ND(23)	27	ND(21)	ND(27)	ND(21)	ND(21)	ND(2,100)	ND(22)	ND(21)	ND(210)	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	ND(21)	ND(24)	ND(210)	ND(1,100)
Dibenzo(a,h)anthracene	15	µg/kg	ND(21)	ND(21)	ND(23)	ND(24)	ND(21)	ND(27)	ND(21)	ND(21)	ND(2,100)	ND(22)	ND(21)	ND(210)	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	ND(21)	ND(24)	ND(210)	ND(1,100)
Fluoranthene	40,000	µg/kg	ND(21)	ND(21)	ND(23)	ND(24)	ND(21)	ND(27)	ND(21)	ND(21)	ND(2,100)	ND(22)	ND(21)	ND(210)	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	ND(21)	ND(24)	ND(210)	ND(1,100)
Fluorene	8,900	µg/kg	ND(21)	ND(21)	ND(23)	ND(24)	ND(21)	ND(27)	ND(21)	190	ND(2,100)	ND(22)	ND(21)	ND(210)	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	ND(21)	ND(24)	220	1,200
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(21)	ND(21)	ND(23)	ND(24)	ND(21)	ND(27)	ND(21)	ND(21)	ND(2,100)	ND(22)	ND(21)	ND(210)	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	ND(21)	ND(24)	ND(210)	ND(1,100)
Naphthalene	1,300	µg/kg	ND(21)	ND(21)	ND(23)	47	ND(21)	ND(27)	ND(21)	79	ND(2,100)	ND(22)	ND(21)	510	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	75	ND(24)	**1,400**	**7,000**
Phenanthrene	11,000	µg/kg	ND(21)	ND(21)	ND(23)	75	ND(21)	ND(27)	ND(21)	290	3,700	ND(22)	ND(21)	ND(210)	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	ND(21)	ND(24)	ND(210)	ND(1,100)
Pyrene	85,000	µg/kg	ND(21)	ND(21)	ND(23)	ND(24)	ND(21)	ND(27)	ND(21)	ND(21)	ND(2,100)	ND(22)	ND(21)	ND(210)	ND(230)	ND(23)	ND(21)	ND(100)	ND(22)	ND(22)	ND(21)	ND(24)	ND(210)	ND(1,100)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between
the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B248-05	B248-10	B248-20	B248-30	B248-40	B248-50	B248-60	B248-70	B248-80	B248-90	B249-05	B249-10	B249-20	B249-30	B249-40	B249-50	B249-70	B249-80	B249-90	B250-05	B250-10	B250-20	B250-30	B250-40	B250-50
Approx. Depth[1] (feet bgs):			5	10	20	30	40	50	60	70	80	90	5	10	20	30	40	50	70	80	90	5	10	20	30	40	50
Date Collected:			01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08
Location ID:	CSL	Unit	B248	B248	B248	B248	B248	B248	B248	B248	B248	B248	B249	B249	B249	B249	B249	B249	B249	B249	B249	B250	B250	B250	B250	B250	B250
1-Methylnaphthalene	22,000	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	2,600	2,500	**250,000**	21,000	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	1,000	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
2-Methylnaphthalene	250	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	**4,600**	**4,800**	**550,000**	**46,000**	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	**1,400**	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Acenaphthene	16,000	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(210)	ND(220)	ND(11,000)	ND(2,400)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(110)	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Acenaphthylene	13,000	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(210)	ND(220)	ND(11,000)	ND(2,400)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(110)	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Anthracene	2,800	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(210)	ND(220)	ND(11,000)	ND(2,400)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(110)	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Benzo(a)anthracene	150	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(210)	ND(220)	ND(11,000)	ND(2,400)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(110)	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Benzo(a)pyrene	15	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(210)	ND(220)	ND(11,000)	ND(2,400)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(110)	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Benzo(b)fluoranthene	150	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(210)	ND(220)	ND(11,000)	ND(2,400)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(110)	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Benzo(ghi)perylene	27,000	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(210)	ND(220)	ND(11,000)	ND(2,400)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(110)	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Benzo(k)fluoranthene	380	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(210)	ND(220)	ND(11,000)	ND(2,400)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(110)	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Chrysene	15,000	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(210)	ND(220)	ND(11,000)	ND(2,400)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(110)	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Dibenzo(a,h)anthracene	15	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(210)	ND(220)	ND(11,000)	ND(2,400)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(110)	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Fluoranthene	40,000	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(210)	ND(220)	ND(11,000)	ND(2,400)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(110)	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Fluorene	8,900	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(210)	ND(220)	ND(11,000)	ND(2,400)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(110)	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(210)	ND(220)	ND(11,000)	ND(2,400)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(110)	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Naphthalene	1,300	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(210)	ND(220)	**300,000**	**27,000**	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	210	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Phenanthrene	11,000	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	310	380	ND(11,000)	ND(2,400)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(110)	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)
Pyrene	85,000	µg/kg	ND(23)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(210)	ND(220)	ND(11,000)	ND(2,400)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(21)	ND(110)	ND(23)	ND(24)	ND(21)	ND(23)	ND(21)	ND(21)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between

he detection and repor ing limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aroma ic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B250-60	B250-70	B250-80	B250-90	B251-05	B251-10	B251-20	B251-30	B251-40	B251-50	B251-60	B251-70	B251-80	B251-90	B252-5	B252-10	B252-20	B252-30	B252-40	B252-50	B252-60	B252-70	B252-80	B252-90	B253-05
Approx. Depth[1] (feet bgs):			60	70	80	90	5	10	20	30	40	50	60	70	80	90	5	10	20	30	40	50	60	70	80	90	5
Date Collected:			01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/31/08
Location ID:	CSL	Unit	B250	B250	B250	B250	B251	B251	B251	B251	B251	B251	B251	B251	B251	B251	B252	B252	B252	B252	B252	B252	B252	B252	B252	B252	B253
1-Methylnaphthalene	22,000	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	59	ND(22)	ND(22)	1,100	ND(21)	ND(21)	ND(21)	260	960	1,800	**38,000**
2-Methylnaphthalene	250	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	36	ND(21)	ND(27)	ND(21)	75	ND(22)	ND(22)	**1,400**	ND(21)	ND(21)	ND(21)	**340**	**1,200**	**2,200**	**75,000**
Acenaphthene	16,000	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	ND(220)	ND(21)	ND(21)	ND(21)	ND(21)	ND(210)	ND(210)	3,100
Acenaphthylene	13,000	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	ND(220)	ND(21)	ND(21)	ND(21)	ND(21)	ND(210)	ND(210)	ND(2,300)
Anthracene	2,800	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	ND(220)	ND(21)	ND(21)	ND(21)	ND(21)	ND(210)	ND(210)	ND(2,300)
Benzo(a)anthracene	150	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	ND(220)	ND(21)	ND(21)	ND(21)	ND(21)	ND(210)	ND(210)	ND(2,300)
Benzo(a)pyrene	15	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	ND(220)	ND(21)	ND(21)	ND(21)	ND(21)	ND(210)	ND(210)	ND(2,300)
Benzo(b)fluoranthene	150	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	ND(220)	ND(21)	ND(21)	ND(21)	ND(21)	ND(210)	ND(210)	ND(2,300)
Benzo(ghi)perylene	27,000	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	ND(220)	ND(21)	ND(21)	ND(21)	ND(21)	ND(210)	ND(210)	ND(2,300)
Benzo(k)fluoranthene	380	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	ND(220)	ND(21)	ND(21)	ND(21)	ND(21)	ND(210)	ND(210)	ND(2,300)
Chrysene	15,000	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	ND(220)	ND(21)	ND(21)	ND(21)	ND(21)	ND(210)	ND(210)	ND(2,300)
Dibenzo(a,h)anthracene	15	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	ND(220)	ND(21)	ND(21)	ND(21)	ND(21)	ND(210)	ND(210)	ND(2,300)
Fluoranthene	40,000	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	ND(220)	ND(21)	ND(21)	ND(21)	ND(21)	ND(210)	ND(210)	ND(2,300)
Fluorene	8,900	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	ND(220)	ND(21)	ND(21)	ND(21)	ND(21)	ND(210)	ND(210)	**11,000**
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	ND(220)	ND(21)	ND(21)	ND(21)	ND(21)	ND(210)	ND(210)	ND(2,300)
Naphthalene	1,300	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	240	ND(21)	ND(21)	ND(21)	140	630	310	**9,000**
Phenanthrene	11,000	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	240	ND(21)	ND(21)	ND(21)	ND(21)	ND(210)	ND(210)	11,000
Pyrene	85,000	µg/kg	ND(23)	ND(21)	ND(23)	ND(21)	ND(23)	ND(23)	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(21)	ND(27)	ND(21)	ND(22)	ND(22)	ND(22)	ND(220)	ND(21)	ND(21)	ND(21)	ND(21)	ND(210)	ND(210)	ND(2,300)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between
he detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at repor ing limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B253-10	B253-20	B253-30	B253-40	B253-50	B253-60	B253-70	B253-80	B253-90	B254-05	B254-10	B254-20	B254-30	B254-40	B254-50	B254-60	B254-70	B254-80	B254-90	B255-05	B255-10	B255-20	B255-30	B255-40	B255-50
Approx. Depth[1] (feet bgs):			10	20	30	40	50	60	70	80	90	5	10	20	30	40	50	60	70	80	90	5	10	20	30	40	50
Date Collected:			01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	02/05/08	02/05/08	02/05/08	02/05/08	02/05/08	02/05/08	02/05/08	02/05/08	02/05/08	02/05/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08
Location ID:	CSL	Unit	B253	B253	B253	B253	B253	B253	B253	B253	B253	B254	B254	B254	B254	B254	B254	B254	B254	B254	B254	B255	B255	B255	B255	B255	B255
1-Methylnaphthalene	22,000	µg/kg	20,000	ND(22)	ND(21)	ND(24)	3,300	**57,000**	15,000	930	320	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	5,200 D	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
2-Methylnaphthalene	250	µg/kg	**27,000**	ND(22)	ND(21)	ND(24)	**6,000**	**99,000**	**25,000**	**1,500**	**520**	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	**5,100 D**	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Acenaphthene	16,000	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(24)	ND(2,100)	ND(2,100)	ND(2,100)	ND(430)	28	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	59	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Acenaphthylene	13,000	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(24)	ND(2,100)	ND(2,100)	ND(2,100)	ND(430)	ND(23)	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Anthracene	2,800	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(24)	ND(2,100)	ND(2,100)	ND(2,100)	ND(430)	ND(23)	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Benzo(a)anthracene	150	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(24)	ND(2,100)	ND(2,100)	ND(2,100)	ND(430)	ND(23)	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Benzo(a)pyrene	15	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(24)	ND(2,100)	ND(2,100)	ND(2,100)	ND(430)	ND(23)	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Benzo(b)fluoranthene	150	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(24)	ND(2,100)	ND(2,100)	ND(2,100)	ND(430)	ND(23)	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Benzo(ghi)perylene	27,000	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(24)	ND(2,100)	ND(2,100)	ND(2,100)	ND(430)	ND(23)	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Benzo(k)fluoranthene	380	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(24)	ND(2,100)	ND(2,100)	ND(2,100)	ND(430)	ND(23)	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Chrysene	15,000	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(24)	ND(2,100)	ND(2,100)	ND(2,100)	ND(430)	ND(23)	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Dibenzo(a,h)anthracene	15	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(24)	ND(2,100)	ND(2,100)	ND(2,100)	ND(430)	ND(23)	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Fluoranthene	40,000	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(24)	ND(2,100)	ND(2,100)	ND(2,100)	ND(430)	ND(23)	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Fluorene	8,900	µg/kg	4,600	ND(22)	ND(21)	ND(24)	ND(2,100)	3,600	ND(2,100)	ND(430)	40	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	64	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(24)	ND(2,100)	ND(2,100)	ND(2,100)	ND(430)	ND(23)	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Naphthalene	1,300	µg/kg	**4,300**	ND(22)	ND(21)	ND(24)	**2,500**	**51,000**	**11,000**	450	99	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	**2,000 D**	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Phenanthrene	11,000	µg/kg	5,600	ND(22)	ND(21)	ND(24)	ND(2,100)	ND(2,100)	ND(2,100)	ND(430)	76	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	58	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)
Pyrene	85,000	µg/kg	ND(2,200)	ND(22)	ND(21)	ND(24)	ND(2,100)	ND(2,100)	ND(2,100)	ND(430)	ND(23)	ND(23)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(26)	ND(22)	ND(21)	ND(22)	ND(23)	ND(24)	ND(22)	ND(23)	ND(25)	ND(21)

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between
he detection and repor ing limits
µg/kg = micrograms per kilogram
ND = analyte not detected at reporting limit shown
PAH = polycyclic aroma ic hydrocarbon
R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B255-60	B255-70	B255-80	B255-90	B256-05	B256-10	B256-20	B256-30	B256-40	B256-50	B256-60	B256-70	B256-80	B256-90	B257-05	B257-10	B257-20	B257-30	B257-40	B257-50	B257-60	B257-70	B257-80
Approx. Depth[1] (feet bgs):			60	70	80	90	5	10	20	30	40	50	60	70	80	90	5	10	20	30	40	50	60	70	80
Date Collected:			01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08
Location ID:	CSL	Unit	B255	B255	B255	B255	B256	B256	B256	B256	B256	B256	B256	B256	B256	B256	B257	B257	B257	B257	B257	B257	B257	B257	B257
1-Methylnaphthalene	22,000	µg/kg	ND(27)	36	90	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	2,800	3,900	**250,000**	2,100	ND(26)	**45,000**	15,000	10,000	9,200
2-Methylnaphthalene	250	µg/kg	ND(27)	64	140	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	26	ND(21)	**4,000**	**5,400**	**400,000**	**3,700**	ND(26)	**79,000**	**28,000**	**18,000**	**17,000**
Acenaphthene	16,000	µg/kg	ND(27)	ND(22)	ND(21)	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	ND(440)	1,500	ND(24,000)	ND(450)	ND(26)	ND(26,000)	ND(2,100)	ND(2,100)	ND(2,100)
Acenaphthylene	13,000	µg/kg	ND(27)	ND(22)	ND(21)	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	ND(440)	ND(460)	ND(24,000)	ND(450)	ND(26)	ND(26,000)	ND(2,100)	ND(2,100)	ND(2,100)
Anthracene	2,800	µg/kg	ND(27)	ND(22)	ND(21)	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	ND(440)	ND(460)	ND(24,000)	ND(450)	ND(26)	ND(26,000)	ND(2,100)	ND(2,100)	ND(2,100)
Benzo(a)anthracene	150	µg/kg	ND(27)	ND(22)	ND(21)	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	ND(440)	ND(460)	ND(24,000)	ND(450)	ND(26)	ND(26,000)	ND(2,100)	ND(2,100)	ND(2,100)
Benzo(a)pyrene	15	µg/kg	ND(27)	ND(22)	ND(21)	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	ND(440)	ND(460)	ND(24,000)	ND(450)	ND(26)	ND(26,000)	ND(2,100)	ND(2,100)	ND(2,100)
Benzo(b)fluoranthene	150	µg/kg	ND(27)	ND(22)	ND(21)	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	ND(440)	ND(460)	ND(24,000)	ND(450)	ND(26)	ND(26,000)	ND(2,100)	ND(2,100)	ND(2,100)
Benzo(ghi)perylene	27,000	µg/kg	ND(27)	ND(22)	ND(21)	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	ND(440)	ND(460)	ND(24,000)	ND(450)	ND(26)	ND(26,000)	ND(2,100)	ND(2,100)	ND(2,100)
Benzo(k)fluoranthene	380	µg/kg	ND(27)	ND(22)	ND(21)	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	ND(440)	ND(460)	ND(24,000)	ND(450)	ND(26)	ND(26,000)	ND(2,100)	ND(2,100)	ND(2,100)
Chrysene	15,000	µg/kg	ND(27)	ND(22)	ND(21)	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	ND(440)	ND(460)	ND(24,000)	ND(450)	ND(26)	ND(26,000)	ND(2,100)	ND(2,100)	ND(2,100)
Dibenzo(a,h)anthracene	15	µg/kg	ND(27)	ND(22)	ND(21)	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	ND(440)	ND(460)	ND(24,000)	ND(450)	ND(26)	ND(26,000)	ND(2,100)	ND(2,100)	ND(2,100)
Fluoranthene	40,000	µg/kg	ND(27)	ND(22)	ND(21)	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	ND(440)	ND(460)	ND(24,000)	ND(450)	ND(26)	ND(26,000)	ND(2,100)	ND(2,100)	ND(2,100)
Fluorene	8,900	µg/kg	ND(27)	ND(22)	ND(21)	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	590	1,900	**27,000**	ND(450)	ND(26)	ND(26,000)	ND(2,100)	ND(2,100)	ND(2,100)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(27)	ND(22)	ND(21)	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	ND(440)	ND(460)	ND(24,000)	ND(450)	ND(26)	ND(26,000)	ND(2,100)	ND(2,100)	ND(2,100)
Naphthalene	1,300	µg/kg	ND(27)	35	60	25	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	28	ND(21)	1,300	**2,500**	**200,000**	**2,500**	ND(26)	**120,000**	**40,000**	**26,000**	**24,000**
Phenanthrene	11,000	µg/kg	ND(27)	ND(22)	ND(21)	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	730	ND(460)	**27,000**	ND(450)	ND(26)	ND(26,000)	ND(2,100)	ND(2,100)	ND(2,100)
Pyrene	85,000	µg/kg	ND(27)	ND(22)	ND(21)	ND(24)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(28)	ND(21)	ND(22)	ND(21)	ND(21)	ND(440)	ND(460)	ND(24,000)	ND(450)	ND(26)	ND(26,000)	ND(2,100)	ND(2,100)	ND(2,100)

NOTES:
[1]Refer to the boring logs for exact sample depths
Detections exceeding CSLs are bolded and shaded.
bgs = below ground surface
CSL = Cleanup Screening Level
ID = identification
J = estimated concentration between
he detection and reporting limits
µg/kg = micrograms per kilogram
ND = analyte not detected at repor ing limit shown
PAH = polycyclic aromatic hydrocarbon
R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B257-90	B258-05	B258-10	B258-20	B258-30	B258-40	B258-50	B258-60	B258-80	B258-90	B259-05	B259-10	B259-30	B259-40	B259-50	B259-60	B259-70	B259-80	B259-90	B260-05	B260-10	B260-20	B260-30	B260-40	B260-50
Approx. Depth[1] (feet bgs):			90	5	10	20	30	40	50	60	80	90	5	10	30	40	50	60	70	80	90	5	10	20	30	40	50
Date Collected:			01/30/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08
Location ID:	CSL	Unit	B257	B258	B258	B258	B258	B258	B258	B258	B258	B258	B259	B259	B259	B259	B259	B259	B259	B259	B259	B260	B260	B260	B260	B260	B260
1-Methylnaphthalene	22,000	µg/kg	14,000	22,000	**120,000**	**52,000**	**110,000**	60	21	ND(21)	260	1,000	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	390	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
2-Methylnaphthalene	250	µg/kg	**25,000**	**37,000**	**200,000**	**89,000**	**190,000**	85	29	ND(21)	**440**	ND(22)	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	**410**	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
Acenaphthene	16,000	µg/kg	ND(2,300)	ND(1,100)	ND(11,000)	ND(4,700)	ND(11,000)	ND(24)	ND(20)	ND(21)	ND(21)	39	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	ND(220)	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
Acenaphthylene	13,000	µg/kg	ND(2,300)	ND(1,100)	ND(11,000)	ND(4,700)	ND(11,000)	ND(24)	ND(20)	ND(21)	ND(21)	ND(22)	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	ND(220)	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
Anthracene	2,800	µg/kg	ND(2,300)	ND(1,100)	ND(11,000)	ND(4,700)	ND(11,000)	ND(24)	ND(20)	ND(21)	ND(21)	ND(22)	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	ND(220)	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
Benzo(a)anthracene	150	µg/kg	ND(2,300)	**1,400**	ND(11,000)	ND(4,700)	ND(11,000)	ND(24)	ND(20)	ND(21)	ND(21)	ND(22)	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	ND(220)	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
Benzo(a)pyrene	15	µg/kg	ND(2,300)	ND(1,100)	ND(11,000)	ND(4,700)	ND(11,000)	ND(24)	ND(20)	ND(21)	ND(21)	ND(22)	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	ND(220)	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
Benzo(b)fluoranthene	150	µg/kg	ND(2,300)	ND(1,100)	ND(11,000)	ND(4,700)	ND(11,000)	ND(24)	ND(20)	ND(21)	ND(21)	ND(22)	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	ND(220)	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
Benzo(ghi)perylene	27,000	µg/kg	ND(2,300)	1,200	ND(11,000)	ND(4,700)	ND(11,000)	ND(24)	ND(20)	ND(21)	ND(21)	ND(22)	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	ND(220)	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
Benzo(k)fluoranthene	380	µg/kg	ND(2,300)	ND(1,100)	ND(11,000)	ND(4,700)	ND(11,000)	ND(24)	ND(20)	ND(21)	ND(21)	ND(22)	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	ND(220)	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
Chrysene	15,000	µg/kg	ND(2,300)	2,000	ND(11,000)	ND(4,700)	ND(11,000)	ND(24)	ND(20)	ND(21)	ND(21)	ND(22)	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	ND(220)	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
D benzo(a,h)anthracene	15	µg/kg	ND(2,300)	ND(1,100)	ND(11,000)	ND(4,700)	ND(11,000)	ND(24)	ND(20)	ND(21)	ND(21)	ND(22)	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	ND(220)	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
Fluoranthene	40,000	µg/kg	ND(2,300)	1,700	ND(11,000)	ND(4,700)	ND(11,000)	ND(24)	ND(20)	ND(21)	ND(21)	ND(22)	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	ND(220)	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
Fluorene	8,900	µg/kg	ND(2,300)	1,800	ND(11,000)	ND(4,700)	ND(11,000)	ND(24)	ND(20)	ND(21)	23	40	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	ND(220)	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(2,300)	ND(1,100)	ND(11,000)	ND(4,700)	ND(11,000)	ND(24)	ND(20)	ND(21)	ND(21)	ND(22)	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	ND(220)	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
Naphthalene	1,300	µg/kg	**35,000**	**13,000**	**72,000**	**30,000**	**66,000**	62	ND(20)	ND(21)	100	37	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	**1,800**	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
Phenanthrene	11,000	µg/kg	ND(2,300)	ND(1,100)	ND(11,000)	ND(4,700)	ND(11,000)	ND(24)	ND(20)	ND(21)	28	ND(22)	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	ND(220)	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)
Pyrene	85,000	µg/kg	ND(2,300)	1,200	ND(11,000)	ND(4,700)	ND(11,000)	ND(24)	ND(20)	ND(21)	ND(21)	ND(22)	ND(240)	ND(23)	ND(24)	ND(21)	ND(23)	ND(25)	ND(21)	ND(21)	ND(22)	ND(220)	ND(24)	ND(24)	ND(22)	ND(22)	ND(21)

NOTES:

[1]Refer to the boring logs for exact sample dep hs

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identifica ion

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the detec ion and reporting limits

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ND = analyte not detected at repor ing limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B260-60	B260-70	B260-80	B260-90	B261-5	B261-10	B261-20	B261-30	B261-40	B261-50	B261-60	B261-70	B261-80	B261-90	B262-05	B262-10	B262-20	B262-30	B262-40	B262-50	B262-60	B262-70	B262-80	B262-90	B263-05	B263-10
Approx. Depth[1] (feet bgs):			60	70	80	90	5	10	20	30	40	50	60	70	80	90	5	10	20	30	40	50	60	70	80	90	5	10
Date Collected:			02/01/08	02/01/08	02/01/08	02/01/08	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	02/04/08	02/04/08
Location ID:	CSL	Unit	B260	B260	B260	B260	B261	B261	B261	B261	B261	B261	B261	B261	B261	B261	B262	B262	B262	B262	B262	B262	B262	B262	B262	B262	B263	B263
1-Methylnaphthalene	22,000	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	95	1,800	550	ND(23)	1,600	120	95	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
2-Methylnaphthalene	250	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	160	**3,100**	**930**	ND(23)	**2,800**	190	160	ND(21)	ND(21)	26	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Acenaphthene	16,000	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(230)	ND(24)	ND(23)	ND(230)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Acenaphthylene	13,000	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(230)	ND(24)	ND(23)	ND(230)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Anthracene	2,800	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(230)	ND(24)	ND(23)	ND(230)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Benzo(a)anthracene	150	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(230)	ND(24)	ND(23)	ND(230)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Benzo(a)pyrene	15	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(230)	ND(24)	ND(23)	ND(230)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Benzo(b)fluoranthene	150	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(230)	ND(24)	ND(23)	ND(230)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Benzo(ghi)perylene	27,000	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(230)	ND(24)	ND(23)	ND(230)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Benzo(k)fluoranthene	380	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(230)	ND(24)	ND(23)	ND(230)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Chrysene	15,000	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(230)	ND(24)	ND(23)	ND(230)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Dibenzo(a,h)anthracene	15	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(230)	ND(24)	ND(23)	ND(230)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Fluoranthene	40,000	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(230)	ND(24)	ND(23)	ND(230)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Fluorene	8,900	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	280	84	ND(23)	240	23	ND(21)	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(230)	ND(24)	ND(23)	ND(230)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Naphthalene	1,300	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	60	**1,400**	450	ND(23)	1,300	56	55	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Phenanthrene	11,000	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	480	140	ND(23)	410	37	28	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)
Pyrene	85,000	µg/kg	ND(21)	ND(22)	ND(21)	ND(21)	ND(23)	ND(230)	ND(24)	ND(23)	ND(230)	ND(21)	ND(21)	ND(21)	ND(21)	ND(22)	ND(23)	ND(22)	ND(25)	ND(22)	ND(23)	ND(21)	ND(23)	ND(21)	ND(21)	ND(21)	ND(230)	ND(22)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between
he detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B263-20	B263-30	B263-40	B263-50	B263-60	B263-70	B263-80	B263-90	B264-5	B264-10	B264-20	B264-30	B264-40	B266-05	B266-10	B266-20	B266-30	B266-40	B267-05	B267-10	B267-20	B267-30	B267-40	B268-05	B268-10	B268-20
Approx. Depth[1] (feet bgs):			20	30	40	50	60	70	80	90	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20
Date Collected:			02/04/08	02/04/08	02/04/08	02/04/08	02/04/08	02/04/08	02/04/08	02/04/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/15/08	01/15/08	01/15/08	01/15/08	01/15/08	02/01/08	02/01/08	02/01/08
Location ID:	CSL	Unit	B263	B263	B263	B263	B263	B263	B263	B263	B264	B264	B264	B264	B264	B266	B266	B266	B266	B266	B267	B267	B267	B267	B267	B268	B268	B268
1-Methylnaphthalene	22,000	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	ND(24)	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	24	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
2-Methylnaphthalene	250	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	ND(24)	ND(27)	ND(22)	32	ND(22)	ND(21)	ND(21)	31	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
Acenaphthene	16,000	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	100	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
Acenaphthylene	13,000	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	75	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
Anthracene	2,800	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	ND(24)	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
Benzo(a)anthracene	150	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	ND(24)	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
Benzo(a)pyrene	15	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	ND(24)	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
Benzo(b)fluoranthene	150	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	ND(24)	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
Benzo(ghi)perylene	27,000	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	ND(24)	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
Benzo(k)fluoranthene	380	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	ND(24)	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
Chrysene	15,000	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	ND(24)	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
Dibenzo(a,h)anthracene	15	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	ND(24)	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
Fluoranthene	40,000	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	ND(24)	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
Fluorene	8,900	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	39	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	ND(24)	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
Naphthalene	1,300	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	120	ND(27)	ND(22)	31	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	35	ND(23)	ND(23)	ND(23)	ND(22)
Phenanthrene	11,000	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	ND(24)	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)
Pyrene	85,000	µg/kg	ND(23)	ND(23)	ND(27)	ND(25)	ND(21)	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(21)	ND(24)	ND(27)	ND(22)	ND(27)	ND(22)	ND(21)	ND(21)	ND(23)	ND(24)	ND(25)	ND(25)	ND(23)	ND(23)	ND(23)	ND(22)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between
he detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B268-30	B268-40	B270-5	B270-10	B270-20	B270-30	B270-40	B271-5	B271-10	B271-20	B271-30	B271-40	B272-5	B272-10	B272-20	B272-30	B272-40	B274-05	B274-10	B274-20	B274-30	B274-40
Approx. Depth[1] (feet bgs):			30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40
Date Collected:			02/01/08	02/01/08	01/20/09	01/20/09	01/20/09	01/20/09	01/20/09	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08
Location ID:	CSL	Unit	B268	B268	B270	B270	B270	B270	B270	B271	B271	B271	B271	B271	B272	B272	B272	B272	B272	B274	B274	B274	B274	B274
1-Methylnaphthalene	22,000	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
2-Methylnaphthalene	250	µg/kg	ND(23)	37	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
Acenaphthene	16,000	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
Acenaphthylene	13,000	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
Anthracene	2,800	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
Benzo(a)anthracene	150	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
Benzo(a)pyrene	15	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
Benzo(b)fluoranthene	150	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
Benzo(ghi)perylene	27,000	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
Benzo(k)fluoranthene	380	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
Chrysene	15,000	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	51	ND(22)	ND(22)	ND(21)	ND(27)
Dibenzo(a,h)anthracene	15	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
Fluoranthene	40,000	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
Fluorene	8,900	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
Naphthalene	1,300	µg/kg	ND(23)	80	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
Phenanthrene	11,000	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(21)	ND(27)
Pyrene	85,000	µg/kg	ND(23)	ND(22)	ND(23)	ND(24)	ND(21)	ND(23)	ND(22)	ND(23)	ND(23)	ND(20)	ND(23)	ND(24)	ND(24)	ND(23)	ND(24)	ND(23)	ND(23)	72	ND(22)	ND(22)	ND(21)	ND(27)

NOTES:

[1]Refer to he boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = es imated concentration between
the detection and repor ing limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aroma ic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B275-5	B275-10	B275-20	B275-30	B275-40	B276-05	B276-10	B276-20	B276-30	B276-40	B277-5	B277-10	B277-20	B277-30	B277-40	B278-5	B278-10	B278-20	B278-30	B278-40	B279-5	B279-10	B279-20	B279-30	B279-40
Approx. Depth[1] (feet bgs):			5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40
Date Collected:			01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	02/04/08	02/04/08	02/04/08	02/04/08	02/04/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/16/08
Location ID:	CSL	Unit	B275	B275	B275	B275	B275	B276	B276	B276	B276	B276	B277	B277	B277	B277	B277	B278	B278	B278	B278	B278	B279	B279	B279	B279	B279
1-Methylnaphthalene	22,000	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	22	20,000	ND(200)	6.7 J	**38,000**	43	740	6.4 J	300	ND(200)	25
2-Methylnaphthalene	250	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	26	**26,000**	ND(200)	11 J	**70,000**	67	**860**	7.2 J	**310**	200	25
Acenaphthene	16,000	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	55	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(200)	ND(400)	ND(2,000)	ND(20)	ND(200)	1.5 J	ND(200)	ND(200)	ND(20)
Acenaphthylene	13,000	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(200)	ND(400)	ND(2,000)	ND(20)	ND(200)	ND(200)	ND(200)	ND(200)	ND(20)
Anthracene	2,800	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(200)	ND(400)	ND(2,000)	ND(20)	ND(200)	770	ND(200)	ND(200)	ND(20)
Benzo(a)anthracene	150	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(200)	ND(400)	ND(2,000)	ND(20)	ND(200)	**590**	ND(200)	ND(200)	ND(20)
Benzo(a)pyrene	15	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(200)	ND(400)	ND(2,000)	ND(20)	ND(200)	**240**	ND(200)	ND(200)	ND(20)
Benzo(b)fluoranthene	150	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(200)	ND(400)	ND(2,000)	ND(20)	ND(200)	**210**	ND(200)	ND(200)	ND(20)
Benzo(ghi)perylene	27,000	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(200)	ND(400)	ND(2,000)	ND(20)	ND(200)	ND(200)	ND(200)	ND(200)	ND(20)
Benzo(k)fluoranthene	380	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(200)	ND(400)	ND(2,000)	ND(20)	ND(200)	ND(200)	ND(200)	ND(200)	ND(20)
Chrysene	15,000	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(200)	ND(400)	ND(2,000)	ND(20)	ND(200)	1,100	ND(200)	ND(200)	ND(20)
Dibenzo(a,h)anthracene	15	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(200)	ND(400)	ND(2,000)	ND(20)	ND(200)	ND(200)	ND(200)	ND(200)	ND(20)
Fluoranthene	40,000	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(200)	ND(400)	ND(2,000)	ND(20)	ND(200)	440	ND(200)	ND(200)	ND(20)
Fluorene	8,900	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	R	R	R	R	R	3,100	R	ND(400)	ND(2,000)	R	R	R	R	R	ND(20)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(200)	ND(400)	ND(2,000)	ND(20)	ND(200)	ND(200)	ND(200)	ND(200)	ND(20)
Naphthalene	1,300	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	R	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	**8,800**	ND(200)	2.7 J	**26,000**	49	0.65 J	**2,100**	ND(200)	ND(200)	ND(20)
Phenanthrene	11,000	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	4,200	4.7 J	1.9 J	4,000	ND(20)	580	5,200	250	ND(200)	86
Pyrene	85,000	µg/kg	ND(23)	ND(21)	ND(21)	ND(23)	ND(22)	ND(23)	ND(25)	ND(21)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(2,000)	ND(200)	ND(400)	ND(2,000)	ND(20)	290	2,400	ND(200)	ND(200)	35

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = iden ification

J = estimated concentration between the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B280-5	B280-10	B280-20	B280-30	B280-40	B281-5	B281-10	B281-20	B281-30	B281-40	B282-05	B282-10	B282-20	B282-30	B282-40	B283-05	B283-10	B283-20	B283-30	B283-40	B284-05	B284-10	B284-20	B284-30	B284-40
Approx. Depth[1] (feet bgs):			5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40
Date Collected:			01/16/08	01/16/08	01/16/08	01/16/08	01/16/08	01/14/08	01/14/08	01/14/08	01/14/08	01/14/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08
Location ID:	CSL	Unit	B280	B280	B280	B280	B280	B281	B281	B281	B281	B281	B282	B282	B282	B282	B282	B283	B283	B283	B283	B283	B284	B284	B284	B284	B284
1-Methylnaphthalene	22,000	µg/kg	280	ND(100)	ND(20)	**35,000**	**100,000**	ND(24)	6,300	4,500	17,000	**40,000**	ND(23)	140	ND(21)	ND(23)	25	ND(23)	ND(23)	35	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	260	ND(24)
2-Methylnaphthalene	250	µg/kg	**300**	ND(100)	ND(20)	**65,000**	**200,000**	ND(24)	**8,400**	**6,900**	**28,000**	**67,000**	24	**280**	26	ND(23)	40	ND(23)	ND(23)	57	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	**430**	ND(24)
Acenaphthene	16,000	µg/kg	ND(200)	0.2 J	ND(20)	ND(2,000)	ND(10,000)	ND(24)	550	290	ND(2,300)	ND(2,000)	ND(23)	ND(20)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	ND(220)	ND(24)
Acenaphthylene	13,000	µg/kg	ND(200)	ND(100)	ND(20)	ND(2,000)	ND(10,000)	ND(24)	ND(210)	ND(210)	ND(2,300)	ND(2,000)	ND(23)	ND(20)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	ND(220)	ND(24)
Anthracene	2,800	µg/kg	ND(200)	ND(100)	ND(20)	ND(2,000)	ND(10,000)	ND(24)	ND(210)	ND(210)	ND(2,300)	ND(2,000)	ND(23)	ND(20)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	ND(220)	ND(24)
Benzo(a)anthracene	150	µg/kg	ND(200)	ND(100)	ND(20)	ND(2,000)	ND(10,000)	ND(24)	ND(210)	ND(210)	ND(2,300)	ND(2,000)	ND(23)	ND(20)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	ND(220)	ND(24)
Benzo(a)pyrene	15	µg/kg	ND(200)	ND(100)	ND(20)	ND(2,000)	ND(10,000)	ND(24)	ND(210)	ND(210)	ND(2,300)	ND(2,000)	ND(23)	ND(20)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	ND(220)	ND(24)
Benzo(b)fluoranthene	150	µg/kg	ND(200)	ND(100)	ND(20)	ND(2,000)	ND(10,000)	ND(24)	ND(210)	ND(210)	ND(2,300)	ND(2,000)	ND(23)	ND(20)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	ND(220)	ND(24)
Benzo(ghi)perylene	27,000	µg/kg	ND(200)	ND(100)	ND(20)	ND(2,000)	ND(10,000)	ND(24)	ND(210)	ND(210)	ND(2,300)	ND(2,000)	ND(23)	ND(20)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	ND(220)	ND(24)
Benzo(k)fluoranthene	380	µg/kg	ND(200)	ND(100)	ND(20)	ND(2,000)	ND(10,000)	ND(24)	ND(210)	ND(210)	ND(2,300)	ND(2,000)	ND(23)	ND(20)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	ND(220)	ND(24)
Chrysene	15,000	µg/kg	ND(200)	ND(100)	ND(20)	ND(2,000)	ND(10,000)	ND(24)	ND(210)	ND(210)	ND(2,300)	ND(2,000)	ND(23)	ND(20)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	ND(220)	ND(24)
D benzo(a,h)anthracene	15	µg/kg	ND(200)	ND(100)	ND(20)	ND(2,000)	ND(10,000)	ND(24)	ND(210)	ND(210)	ND(2,300)	ND(2,000)	ND(23)	ND(20)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	ND(220)	ND(24)
Fluoranthene	40,000	µg/kg	ND(200)	ND(100)	ND(20)	ND(2,000)	ND(10,000)	ND(24)	ND(210)	ND(210)	ND(2,300)	ND(2,000)	ND(23)	ND(20)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)	ND(23)	ND(27)	180	ND(23)	ND(21)	ND(220)	ND(24)
Fluorene	8,900	µg/kg	R	250	ND(20)	ND(2,000)	ND(10,000)	ND(24)	1,700	1,000	3,300	6,100	ND(23)	ND(20)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	ND(220)	ND(24)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(200)	ND(100)	ND(20)	ND(2,000)	ND(10,000)	ND(24)	ND(210)	ND(210)	ND(2,300)	ND(2,000)	ND(23)	ND(20)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	ND(220)	ND(24)
Naphthalene	1,300	µg/kg	ND(200)	ND(100)	ND(20)	**22,000**	**69,000**	ND(24)	280	590	**4,900**	**12,000**	36	92	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	ND(220)	ND(24)
Phenanthrene	11,000	µg/kg	ND(200)	ND(100)	ND(20)	ND(2,000)	ND(10,000)	ND(24)	ND(210)	270	3,800	6,500	ND(23)	ND(20)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	59	ND(23)	ND(27)	ND(120)	ND(23)	ND(21)	ND(220)	ND(24)
Pyrene	85,000	µg/kg	ND(200)	ND(100)	ND(20)	ND(2,000)	ND(10,000)	ND(24)	ND(210)	ND(210)	ND(2,300)	ND(2,000)	ND(23)	ND(20)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)	ND(23)	ND(27)	160	ND(23)	ND(21)	ND(220)	ND(24)

NOTES:

[1]Refer to the boring logs for exact sample dep hs

Detec ions exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identifica ion

J = estimated concentra ion between
the detec ion and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B285-05	B285-10	B285-20	B285-30	B285-40	B286-5	B286-10	B286-20	B286-30	B286-40	B287-5	B287-10	B287-20	B287-30	B287-40	B288-05	B288-10	B288-20	B288-30	B288-40	B289-5	B289-10	B289-20	B289-30	B289-40
Approx. Depth[1] (feet bgs):			5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40
Date Collected:			01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/22/08	01/22/08	01/22/08	01/22/08	01/22/08	01/17/08	01/17/08	01/17/08	01/17/08	01/17/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08
Location ID:	CSL	Unit	B285	B285	B285	B285	B285	B286	B286	B286	B286	B286	B287	B287	B287	B287	B287	B288	B288	B288	B288	B288	B289	B289	B289	B289	B289
1-Methylnaphthalene	22,000	µg/kg	ND(47)	ND(25)	ND(20)	ND(21)	ND(21)	27	ND(230)	9,700	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
2-Methylnaphthalene	250	µg/kg	ND(47)	ND(25)	ND(20)	ND(21)	ND(21)	41	ND(230)	**20,000**	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Acenaphthene	16,000	µg/kg	ND(47)	ND(25)	ND(20)	ND(21)	ND(21)	100	ND(230)	ND(1,600)	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Acenaphthylene	13,000	µg/kg	ND(47)	ND(25)	ND(20)	ND(21)	ND(21)	ND(23)	ND(230)	ND(1,600)	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Anthracene	2,800	µg/kg	ND(47)	ND(25)	ND(20)	ND(21)	ND(21)	250	370	ND(1,600)	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Benzo(a)anthracene	150	µg/kg	ND(47)	ND(25)	ND(20)	ND(21)	ND(21)	**370**	**680**	ND(1,600)	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Benzo(a)pyrene	15	µg/kg	ND(47)	ND(25)	ND(20)	ND(21)	ND(21)	**360**	**670**	ND(1,600)	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Benzo(b)fluoranthene	150	µg/kg	ND(47)	ND(25)	ND(20)	ND(21)	ND(21)	**270**	**480**	ND(1,600)	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Benzo(ghi)perylene	27,000	µg/kg	ND(47)	ND(25)	ND(20)	ND(21)	ND(21)	160	330	ND(1,600)	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Benzo(k)fluoranthene	380	µg/kg	ND(47)	ND(25)	ND(20)	ND(21)	ND(21)	290	**620**	ND(1,600)	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Chrysene	15,000	µg/kg	53	ND(25)	ND(20)	ND(21)	ND(21)	430	780	ND(1,600)	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Dibenzo(a,h)anthracene	15	µg/kg	ND(47)	ND(25)	ND(20)	ND(21)	ND(21)	**50**	ND(230)	ND(1,600)	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Fluoranthene	40,000	µg/kg	88	ND(25)	ND(20)	ND(21)	ND(21)	890	1,800	ND(1,600)	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Fluorene	8,900	µg/kg	ND(47)	ND(25)	ND(20)	ND(21)	ND(21)	110	ND(230)	1,700	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(47)	ND(25)	ND(20)	ND(21)	ND(21)	**190**	**380**	ND(1,600)	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Naphthalene	1,300	µg/kg	ND(47)	ND(25)	ND(20)	ND(21)	ND(21)	ND(23)	ND(230)	**7,900**	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	49	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Phenanthrene	11,000	µg/kg	ND(47)	ND(25)	ND(20)	ND(21)	ND(21)	900	1,700	3,100	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)
Pyrene	85,000	µg/kg	100	ND(25)	ND(20)	ND(21)	ND(21)	910	1,700	ND(1,600)	ND(23)	ND(21)	ND(240)	ND(230)	ND(21)	ND(21)	ND(21)	ND(22)	ND(21)	ND(22)	ND(24)	ND(22)	ND(230)	ND(22)	ND(21)	ND(21)	ND(21)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between
he detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at repor ing limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B290-5	B290-10	B290-20	B290-30	B290-40	B291-10	B291-20	B291-30	B291-40	B292-5	B292-10	B292-20	B292-30	B292-40	B293-5	B293-10	B293-20	B293-30	B293-40	B294-05	B294-10	B294-20	B294-30	B294-40
Approx. Depth[1] (feet bgs):			5	10	20	30	40	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40
Date Collected:			01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/29/08	01/29/08	01/29/08	01/29/08	01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/31/08	01/31/08	01/31/08	01/31/08	01/31/08
Location ID:	CSL	Unit	B290	B290	B290	B290	B290	B291	B291	B291	B291	B292	B292	B292	B292	B292	B293	B293	B293	B293	B293	B294	B294	B294	B294	B294
1-Methylnaphthalene	22,000	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	ND(23)	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	600	520	ND(21)	ND(23)	ND(25)
2-Methylnaphthalene	250	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	ND(23)	ND(22)	ND(20)	ND(25)	23	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	**260**	**300**	ND(21)	ND(23)	ND(25)
Acenaphthene	16,000	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	ND(23)	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	340	ND(260)	ND(21)	ND(23)	ND(25)
Acenaphthylene	13,000	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	ND(23)	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	ND(240)	ND(260)	ND(21)	ND(23)	ND(25)
Anthracene	2,800	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	ND(23)	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	ND(240)	ND(260)	ND(21)	ND(23)	ND(25)
Benzo(a)anthracene	150	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	27	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	**350**	ND(260)	ND(21)	ND(23)	ND(25)
Benzo(a)pyrene	15	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	**35**	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	ND(240)	ND(260)	ND(21)	ND(23)	ND(25)
Benzo(b)fluoranthene	150	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	32	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	ND(240)	ND(260)	ND(21)	ND(23)	ND(25)
Benzo(ghi)perylene	27,000	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	23	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	ND(240)	ND(260)	ND(21)	ND(23)	ND(25)
Benzo(k)fluoranthene	380	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	39	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	ND(240)	ND(260)	ND(21)	ND(23)	ND(25)
Chrysene	15,000	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	41	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	610	310	ND(21)	ND(23)	ND(25)
Dibenzo(a,h)anthracene	15	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	ND(23)	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	ND(240)	ND(260)	ND(21)	ND(23)	ND(25)
Fluoranthene	40,000	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	41	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	680	550	ND(21)	ND(23)	ND(25)
Fluorene	8,900	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	ND(23)	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	460	ND(260)	ND(21)	ND(23)	ND(25)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	25	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	ND(240)	ND(260)	ND(21)	ND(23)	ND(25)
Naphthalene	1,300	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	ND(23)	32	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	510	340	ND(21)	ND(23)	ND(25)
Phenanthrene	11,000	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	ND(23)	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	1,600	1,200	ND(21)	ND(23)	ND(25)
Pyrene	85,000	µg/kg	ND(250)	ND(230)	ND(21)	ND(21)	ND(21)	ND(23)	ND(22)	ND(29)	ND(22)	44	ND(22)	ND(20)	ND(25)	ND(21)	ND(26)	ND(25)	ND(21)	ND(24)	ND(21)	1,200	760	ND(21)	ND(23)	ND(25)

NOTES:

[1]Refer to he boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between
the detection and repor ing limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aroma ic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B295-5	B295-10	B295-20	B295-30	B295-40	B297-5	B297-10	B297-20	B297-30	B297-40	B298-5	B298-10	B298-20	B298-30	B298-40	B299-5	B299-10	B299-20	B299-30	B299-40	B300-05	B300-10	B300-20	B300-30	B300-40
Approx. Depth[1] (feet bgs):			5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40
Date Collected:			01/22/09	01/22/09	01/22/09	01/22/09	01/22/09	01/20/09	01/20/09	01/20/09	01/20/09	01/20/09	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	02/06/08	02/06/08	02/06/08	02/06/08	02/06/08
Location ID:	CSL	Unit	B295	B295	B295	B295	B295	B297	B297	B297	B297	B297	B298	B298	B298	B298	B298	B299	B299	B299	B299	B299	B300	B300	B300	B300	B300
1-Methylnaphthalene	22,000	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	ND(240)	ND(22)	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	310	**29,000**	**28,000**	19,000	10,000	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
2-Methylnaphthalene	250	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	ND(240)	ND(22)	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	**300**	**50,000**	**53,000**	**36,000**	**18,000**	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Acenaphthene	16,000	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	1,700	26	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	89	ND(2,200)	ND(1,200)	ND(1,100)	ND(480)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Acenaphthylene	13,000	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	ND(240)	22	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	ND(23)	ND(2,200)	ND(1,200)	ND(1,100)	ND(480)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Anthracene	2,800	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	**6,500**	ND(22)	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	ND(23)	ND(2,200)	ND(1,200)	ND(1,100)	ND(480)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Benzo(a)anthracene	150	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	**6,300**	ND(22)	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	ND(23)	ND(2,200)	ND(1,200)	ND(1,100)	ND(480)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Benzo(a)pyrene	15	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	**5,900**	ND(22)	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	ND(23)	ND(2,200)	ND(1,200)	ND(1,100)	ND(480)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Benzo(b)fluoranthene	150	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	**3,800**	ND(22)	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	ND(23)	ND(2,200)	ND(1,200)	ND(1,100)	ND(480)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Benzo(ghi)perylene	27,000	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	1,500	ND(22)	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	ND(23)	ND(2,200)	ND(1,200)	ND(1,100)	ND(480)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Benzo(k)fluoranthene	380	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	**4,900**	ND(22)	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	ND(23)	ND(2,200)	ND(1,200)	ND(1,100)	ND(480)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Chrysene	15,000	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	6,400	ND(22)	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	ND(23)	ND(2,200)	ND(1,200)	ND(1,100)	ND(480)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Dibenzo(a,h)anthracene	15	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	**570**	ND(22)	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	ND(23)	ND(2,200)	ND(1,200)	ND(1,100)	ND(480)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Fluoranthene	40,000	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	18,000 D	ND(22)	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	ND(23)	ND(2,200)	ND(1,200)	ND(1,100)	ND(480)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Fluorene	8,900	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	2,400	22	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	490	6,700	2,800	2,500	820	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	**2,400**	ND(22)	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	ND(23)	ND(2,200)	ND(1,200)	ND(1,100)	ND(480)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Naphthalene	1,300	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	ND(240)	ND(22)	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	230	**12,000**	**8,400**	**6,900**	**4,300**	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Phenanthrene	11,000	µg/kg	ND(24)	ND(24)	44	ND(25)	ND(22)	**22,000 D**	ND(22)	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	150	10,000	4,500	5,000	1,200	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)
Pyrene	85,000	µg/kg	ND(24)	ND(24)	ND(24)	ND(25)	ND(22)	16,000 D	ND(22)	ND(21)	ND(21)	ND(21)	ND(22)	ND(24)	ND(21)	ND(21)	ND(21)	ND(23)	ND(2,200)	ND(1,200)	ND(1,100)	ND(480)	ND(23)	ND(23)	ND(23)	ND(23)	ND(21)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between

he detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at repor ing limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B301-05	B301-10	B301-20	B301-30	B301-40	B302-05	B302-10	B302-20	B302-30	B302-40	B303-05	B303-10	B303-20	B303-30	B303-40	B304-5	B304-10	B304-20	B304-30	B304-40	B305-5	B305-10	B305-20	B305-30	B305-40
Approx. Depth[1] (feet bgs):			5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40
Date Collected:			02/06/08	02/06/08	02/06/08	02/06/08	02/06/08	02/05/08	02/05/08	02/05/08	02/05/08	02/05/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09
Location ID:	CSL	Unit	B301	B301	B301	B301	B301	B302	B302	B302	B302	B302	B303	B303	B303	B303	B303	B304	B304	B304	B304	B304	B305	B305	B305	B305	B305
1-Methylnaphthalene	22,000	µg/kg	51	ND(23)	44	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	5,800	7,100	**200,000**	**82,000**	**75,000**	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
2-Methylnaphthalene	250	µg/kg	40	ND(23)	56	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	**9,000**	**11,000**	**360,000**	**140,000**	**130,000**	29	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
Acenaphthene	16,000	µg/kg	ND(23)	ND(23)	ND(21)	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	310	330	ND(22,000)	ND(22,000)	ND(23,000)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
Acenaphthylene	13,000	µg/kg	ND(23)	ND(23)	ND(21)	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	280	280	ND(22,000)	ND(22,000)	ND(23,000)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
Anthracene	2,800	µg/kg	ND(23)	ND(23)	ND(21)	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	ND(220)	ND(230)	ND(22,000)	ND(22,000)	ND(23,000)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
Benzo(a)anthracene	150	µg/kg	ND(23)	ND(23)	ND(21)	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	ND(220)	ND(230)	ND(22,000)	ND(22,000)	ND(23,000)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
Benzo(a)pyrene	15	µg/kg	ND(23)	ND(23)	ND(21)	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	ND(220)	ND(230)	ND(22,000)	ND(22,000)	ND(23,000)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
Benzo(b)fluoranthene	150	µg/kg	ND(23)	ND(23)	ND(21)	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	ND(220)	ND(230)	ND(22,000)	ND(22,000)	ND(23,000)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
Benzo(ghi)perylene	27,000	µg/kg	ND(23)	ND(23)	ND(21)	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	ND(220)	ND(230)	ND(22,000)	ND(22,000)	ND(23,000)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
Benzo(k)fluoranthene	380	µg/kg	ND(23)	ND(23)	ND(21)	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	ND(220)	ND(230)	ND(22,000)	ND(22,000)	ND(23,000)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
Chrysene	15,000	µg/kg	ND(23)	ND(23)	ND(21)	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	ND(220)	ND(230)	ND(22,000)	ND(22,000)	ND(23,000)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
D benzo(a,h)anthracene	15	µg/kg	ND(23)	ND(23)	ND(21)	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	ND(220)	ND(230)	ND(22,000)	ND(22,000)	ND(23,000)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
Fluoranthene	40,000	µg/kg	ND(23)	ND(23)	ND(21)	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	ND(220)	ND(230)	ND(22,000)	ND(22,000)	ND(23,000)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
Fluorene	8,900	µg/kg	ND(23)	ND(23)	ND(21)	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	2,700	1,800	**22,000**	ND(22,000)	ND(23,000)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(23)	ND(23)	ND(21)	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	ND(220)	ND(230)	ND(22,000)	ND(22,000)	ND(23,000)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
Naphthalene	1,300	µg/kg	ND(23)	ND(23)	33	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	**9,700**	**11,000**	**180,000**	**160,000**	**110,000**	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
Phenanthrene	11,000	µg/kg	41	ND(23)	ND(21)	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	6,200	3,400	ND(22,000)	ND(22,000)	ND(23,000)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)
Pyrene	85,000	µg/kg	ND(23)	ND(23)	ND(21)	ND(23)	ND(25)	ND(23)	ND(23)	ND(25)	ND(25)	ND(22)	300	ND(230)	ND(22,000)	ND(22,000)	ND(23,000)	ND(23)	ND(23)	ND(25)	ND(22)	ND(24)	ND(23)	ND(23)	ND(22)	ND(23)	ND(26)

NOTES:

[1]Refer to the boring logs for exact sample dep hs

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identifica ion

J = estimated concentration between
the detec ion and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at repor ing limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B306-05	B306-10	B306-20	B306-40	B307-5	B307-10	B307-20	B307-30	B307-40	B308-05	B308-10	B308-20	B308-30	B308-40	B309-5	B309-10	B309-20	B309-30	B309-40	B310-05	B310-10	B310-20	B310-30	B310-40	B311-05
Approx. Depth[1] (feet bgs):			5	10	20	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5
Date Collected:			01/31/08	01/31/08	01/31/08	02/01/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/19/09	01/19/09	01/19/09	01/19/09	01/19/09	02/04/08	02/04/08	02/04/08	02/04/08	02/04/08	02/05/08
Location ID:	CSL	Unit	B306	B306	B306	B306	B307	B307	B307	B307	B307	B308	B308	B308	B308	B308	B309	B309	B309	B309	B309	B310	B310	B310	B310	B310	B311
1-Methylnaphthalene	22,000	µg/kg	20,000	20,000	ND(21)	62	ND(23)	ND(22)	ND(23)	120	39	ND(23)	ND(22)	ND(22)	ND(23)	7,200	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
2-Methylnaphthalene	250	µg/kg	**15,000**	**24,000**	ND(21)	58	ND(23)	ND(22)	ND(23)	210	64	ND(23)	ND(22)	ND(22)	25	**12,000**	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
Acenaphthene	16,000	µg/kg	ND(2,400)	ND(2,300)	ND(21)	ND(24)	ND(23)	ND(22)	ND(23)	ND(23)	ND(25)	ND(23)	ND(22)	ND(22)	ND(23)	ND(2,200)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
Acenaphthylene	13,000	µg/kg	ND(2,400)	ND(2,300)	ND(21)	ND(24)	ND(23)	ND(22)	ND(23)	ND(23)	ND(25)	ND(23)	ND(22)	ND(22)	ND(23)	ND(2,200)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
Anthracene	2,800	µg/kg	ND(2,400)	ND(2,300)	ND(21)	ND(24)	ND(23)	ND(22)	ND(23)	ND(23)	ND(25)	ND(23)	ND(22)	ND(22)	ND(23)	ND(2,200)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
Benzo(a)anthracene	150	µg/kg	ND(2,400)	ND(2,300)	ND(21)	ND(24)	ND(23)	ND(22)	ND(23)	ND(23)	ND(25)	ND(23)	ND(22)	ND(22)	ND(23)	ND(2,200)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
Benzo(a)pyrene	15	µg/kg	ND(2,400)	ND(2,300)	ND(21)	ND(24)	ND(23)	ND(22)	ND(23)	ND(23)	ND(25)	ND(23)	ND(22)	ND(22)	ND(23)	ND(2,200)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
Benzo(b)fluoranthene	150	µg/kg	ND(2,400)	ND(2,300)	ND(21)	ND(24)	ND(23)	ND(22)	ND(23)	ND(23)	ND(25)	ND(23)	ND(22)	ND(22)	ND(23)	ND(2,200)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
Benzo(ghi)perylene	27,000	µg/kg	ND(2,400)	ND(2,300)	ND(21)	ND(24)	ND(23)	ND(22)	ND(23)	ND(23)	ND(25)	ND(23)	ND(22)	ND(22)	ND(23)	ND(2,200)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
Benzo(k)fluoranthene	380	µg/kg	ND(2,400)	ND(2,300)	ND(21)	ND(24)	ND(23)	ND(22)	ND(23)	ND(23)	ND(25)	ND(23)	ND(22)	ND(22)	ND(23)	ND(2,200)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
Chrysene	15,000	µg/kg	ND(2,400)	ND(2,300)	ND(21)	ND(24)	ND(23)	ND(22)	ND(23)	ND(23)	ND(25)	ND(23)	ND(22)	ND(22)	ND(23)	ND(2,200)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
Dibenzo(a,h)anthracene	15	µg/kg	ND(2,400)	ND(2,300)	ND(21)	ND(24)	ND(23)	ND(22)	ND(23)	ND(23)	ND(25)	ND(23)	ND(22)	ND(22)	ND(23)	ND(2,200)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
Fluoranthene	40,000	µg/kg	ND(2,400)	ND(2,300)	ND(21)	ND(24)	ND(23)	ND(22)	ND(23)	ND(23)	ND(25)	ND(23)	ND(22)	ND(22)	ND(23)	ND(2,200)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
Fluorene	8,900	µg/kg	ND(2,400)	ND(2,300)	ND(21)	ND(24)	ND(23)	ND(22)	ND(23)	ND(23)	ND(25)	ND(23)	ND(22)	ND(22)	ND(23)	ND(2,200)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(2,400)	ND(2,300)	ND(21)	ND(24)	ND(23)	ND(22)	ND(23)	ND(23)	ND(25)	ND(23)	ND(22)	ND(22)	ND(23)	ND(2,200)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
Naphthalene	1,300	µg/kg	**9,700**	**11,000**	ND(21)	26	ND(23)	ND(22)	ND(23)	95	33	ND(23)	ND(22)	ND(22)	31	**8,000**	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)
Phenanthrene	11,000	µg/kg	ND(2,400)	ND(2,300)	ND(21)	ND(24)	ND(23)	ND(22)	ND(23)	ND(23)	ND(25)	ND(23)	ND(22)	ND(22)	ND(23)	ND(2,200)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	1,400
Pyrene	85,000	µg/kg	ND(2,400)	ND(2,300)	ND(21)	ND(24)	ND(23)	ND(22)	ND(23)	ND(23)	ND(25)	ND(23)	ND(22)	ND(22)	ND(23)	ND(2,200)	ND(21)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(25)	ND(22)	ND(21)	ND(450)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detec ions exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentra ion between
the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B311-10	B311-20	B311-30	B311-40	B312-05	B312-10	B312-20	B312-30	B312-40	B313-05	B313-10	B313-20	B313-30	B313-40	B314-05	B314-10	B314-20	B314-30	B314-40	B315-05	B315-10	B315-20	B315-30	B315-40
Approx. Depth[1] (feet bgs):			10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40
Date Collected:			02/05/08	02/05/08	02/05/08	02/05/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/30/08
Location ID:	CSL	Unit	B311	B311	B311	B311	B312	B312	B312	B312	B312	B313	B313	B313	B313	B313	B314	B314	B314	B314	B314	B315	B315	B315	B315	B315
1-Methylnaphthalene	22,000	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	27	ND(230)	17,000	ND(23)	ND(23)	ND(25)
2-Methylnaphthalene	250	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	53	ND(230)	**9,400**	ND(23)	ND(23)	ND(25)
Acenaphthene	16,000	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)
Acenaphthylene	13,000	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)
Anthracene	2,800	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)
Benzo(a)anthracene	150	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)
Benzo(a)pyrene	15	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)
Benzo(b)fluoranthene	150	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)
Benzo(ghi)perylene	27,000	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)
Benzo(k)fluoranthene	380	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)
Chrysene	15,000	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)
Dibenzo(a,h)anthracene	15	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)
Fluoranthene	40,000	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)
Fluorene	8,900	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)
Naphthalene	1,300	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)
Phenanthrene	11,000	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)
Pyrene	85,000	µg/kg	ND(23)	ND(23)	ND(23)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(24)	ND(24)	ND(22)	ND(24)	ND(22)	ND(230)	ND(4,900)	ND(23)	ND(23)	ND(25)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = iden ification

J = estimated concentration between
the detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B316-05	B316-10	B316-20	B316-30	B316-40	B317-05	B317-10	B317-20	B317-30	B317-40	B318-05	B318-10	B318-20	B318-30	B318-40	B319-5	B319-10	B319-20	B319-30	B319-40	B320-05	B320-10	B320-20	B320-30	B320-40
Approx. Depth[1] (feet bgs):			5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	5	10	20	30	40
Date Collected:			01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	01/21/09	01/21/09	01/21/09	01/21/09	01/21/09	01/29/08	01/29/08	01/29/08	01/29/08	01/29/08
Location ID:	CSL	Unit	B316	B316	B316	B316	B316	B317	B317	B317	B317	B317	B318	B318	B318	B318	B318	B319	B319	B319	B319	B319	B320	B320	B320	B320	B320
1-Methylnaphthalene	22,000	µg/kg	520	**47,000**	49	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	250	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
2-Methylnaphthalene	250	µg/kg	**510**	**67,000**	82	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	**440**	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Acenaphthene	16,000	µg/kg	ND(230)	ND(2,200)	ND(23)	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Acenaphthylene	13,000	µg/kg	ND(230)	ND(2,200)	ND(23)	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Anthracene	2,800	µg/kg	ND(230)	ND(2,200)	ND(23)	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Benzo(a)anthracene	150	µg/kg	ND(230)	ND(2,200)	ND(23)	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Benzo(a)pyrene	15	µg/kg	ND(230)	ND(2,200)	ND(23)	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Benzo(b)fluoranthene	150	µg/kg	ND(230)	ND(2,200)	ND(23)	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Benzo(ghi)perylene	27,000	µg/kg	ND(230)	ND(2,200)	ND(23)	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Benzo(k)fluoranthene	380	µg/kg	ND(230)	ND(2,200)	ND(23)	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Chrysene	15,000	µg/kg	ND(230)	ND(2,200)	ND(23)	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Dibenzo(a,h)anthracene	15	µg/kg	ND(230)	ND(2,200)	ND(23)	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Fluoranthene	40,000	µg/kg	ND(230)	ND(2,200)	ND(23)	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(23)	ND(23)	ND(22)	ND(22)	23	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Fluorene	8,900	µg/kg	ND(230)	5,100	ND(23)	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(230)	ND(2,200)	ND(23)	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(23)	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Naphthalene	1,300	µg/kg	ND(230)	**25,000**	47	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	140	ND(23)	ND(22)	ND(22)	ND(22)	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Phenanthrene	11,000	µg/kg	ND(230)	7,700	ND(23)	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	250	ND(23)	ND(23)	ND(22)	ND(22)	30	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)
Pyrene	85,000	µg/kg	ND(230)	ND(2,200)	ND(23)	ND(23)	ND(24)	ND(22)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(23)	ND(23)	ND(22)	ND(22)	45	ND(23)	ND(21)	ND(21)	ND(27)	ND(22)	ND(120)	ND(22)	ND(23)	ND(22)

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between

he detection and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at repor ing limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 38
PAH CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B321-05	B321-10	B321-20	B321-30	B321-40	B322-05	B322-10	B322-20	B322-30	B322-40	B323-05	B323-10	B323-20	B323-30	B323-40	B324-00	B324-02	B325-00	B325-02	B326-00	B326-02
Approx. Depth[1] (feet bgs):			5	10	20	30	40	5	10	20	30	40	5	10	20	30	40	0	2	0	2	0	2
Date Collected:			01/30/08	01/30/08	01/30/08	01/30/08	01/30/08	02/01/08	02/01/08	02/01/08	02/01/08	02/01/08	01/28/08	01/28/08	01/28/08	01/28/08	01/28/08	04/08/08	04/08/08	04/08/08	04/08/08	04/08/08	04/08/08
Location ID:	CSL	Unit	B321	B321	B321	B321	B321	B322	B322	B322	B322	B322	B323	B323	B323	B323	B323	B324	B324	B325	B325	B326	B326
1-Methylnaphthalene	22,000	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	470	ND(230)	76	ND(23)	56	ND(23)	ND(23)	86	ND(22)	ND(23)	ND(23)
2-Methylnaphthalene	250	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	**610**	ND(230)	150	ND(23)	100	ND(23)	ND(23)	94	ND(22)	ND(23)	ND(23)
Acenaphthene	16,000	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(230)	ND(22)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(22)	ND(23)	ND(23)
Acenaphthylene	13,000	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(230)	ND(22)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(22)	ND(23)	ND(23)
Anthracene	2,800	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(230)	ND(22)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(22)	ND(23)	ND(23)
Benzo(a)anthracene	150	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(230)	ND(22)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(22)	ND(23)	ND(23)
Benzo(a)pyrene	15	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(230)	ND(22)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(22)	ND(23)	ND(23)
Benzo(b)fluoranthene	150	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(230)	ND(22)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(22)	ND(23)	ND(23)
Benzo(ghi)perylene	27,000	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(230)	ND(22)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(22)	ND(23)	ND(23)
Benzo(k)fluoranthene	380	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(230)	ND(22)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(22)	ND(23)	ND(23)
Chrysene	15,000	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(230)	ND(22)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(22)	ND(23)	ND(23)
D benzo(a,h)anthracene	15	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(230)	ND(22)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(22)	ND(23)	ND(23)
Fluoranthene	40,000	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(230)	ND(22)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(22)	ND(23)	ND(23)
Fluorene	8,900	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(230)	ND(22)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(22)	ND(23)	ND(23)
Indeno(1,2,3-cd)pyrene	150	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(230)	ND(22)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(22)	ND(23)	ND(23)
Naphthalene	1,300	µg/kg	ND(22)	ND(22)	ND(24)	57	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	320	ND(230)	36	ND(23)	68	ND(23)	ND(23)	24	ND(22)	ND(23)	ND(23)
Phenanthrene	11,000	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(230)	ND(22)	ND(23)	ND(22)	ND(23)	ND(23)	34	ND(22)	ND(23)	ND(23)
Pyrene	85,000	µg/kg	ND(22)	ND(22)	ND(24)	ND(23)	ND(21)	ND(23)	ND(23)	ND(24)	ND(23)	ND(21)	ND(230)	ND(230)	ND(22)	ND(23)	ND(22)	ND(23)	ND(23)	ND(22)	ND(22)	ND(23)	ND(23)

NOTES:

[1]Refer to the boring logs for exact sample dep hs

Detec ions exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identifica ion

J = estimated concentra ion between
the detec ion and reporting limits

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PAH = polycyclic aromatic hydrocarbon

R = rejected datum

TABLE 39
METAL DETECTION FREQUENCY IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Approximate Depth[2] (feet bgs)	Minimum Detection (mg/kg)	Maximum Detection (mg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
Antimony	5	1.05	2.62	3	12	25
Arsenic	5	4.47	11.8	12	12	100
Barium	5	127	223	12	12	100
Beryllium	5	0.503	1.4	12	12	100
Chromium	5	25.1	117	12	12	100
Chromium, Hexavalent	5	0.16	1.7	10	10	100
Cobalt	5	9.01	20.7	12	12	100
Copper	5	20.7	261	12	12	100
Lead	5	9.71	150	12	12	100
Mercury	5	0.116	1.57	4	12	33.3
Molybdenum	5	48.8	48.8	1	12	8.3
Nickel	5	15.8	32.6	12	12	100
Selenium	5	0.942	2.31	5	12	41.7
Vanadium	5	33.3	83.8	12	12	100
Zinc	5	54.6	184	12	12	100

NOTES:

[1]Metals analyzed for but not listed in this table were not detected.

[2]Refer to the boring logs for exact sample depths

bgs = below ground surface

mg/kg = milligrams per kilogram

TABLE 40
METAL CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B247-05	B248-05	B250-05	B251-05	B256-05	B262-05	B270-5	B276-05
Approx. Depth[1] (feet bgs):			5	5	5	5	5	5	5	5
Date Collected:			01/17/08	01/15/08	01/16/08	01/16/08	01/31/08	01/29/08	01/20/09	02/04/08
Location ID:	CSL	Unit	B247	B248	B250	B251	B256	B262	B270	B276
Antimony	6	mg/kg	ND(0.861)	ND(0.852)	NA	ND(0.869)	NA	2.62	ND(0.868)	NA
Arsenic	13	mg/kg	11.8	9.2	NA	6.47	NA	5.92	10.8	NA
Barium	750	mg/kg	187	168	NA	196	NA	173	223	NA
Beryllium	4	mg/kg	1.16	0.94	NA	0.807	NA	0.859	1.24	NA
Cadmium	1.7	mg/kg	ND(0.574)	ND(0.568)	NA	ND(0.579)	NA	ND(0.566)	ND(0.579)	NA
Chromium	50	mg/kg	**54**	33.5	NA	34.5	NA	28.9	45.8	NA
Chromium, Hexavalent	530	µg/kg	NA	NA	460	NA	400	NA	NA	520
Cobalt	23	mg/kg	19.7	16.2	NA	12.2	NA	15.9	20.7	NA
Copper	230	mg/kg	35.3	34.7	NA	27.9	NA	25.9	39.9	NA
Lead	15	mg/kg	**65.4**	12.9	NA	11.4	NA	11.6	12	NA
Mercury	1.3	mg/kg	ND(0.0959)	ND(0.0949)	NA	0.165	NA	ND(0.0946)	ND(0.0966)	NA
Molybdenum	40	mg/kg	ND(0.287)	ND(0.284)	NA	ND(0.29)	NA	ND(0.283)	ND(0.289)	NA
Nickel	100	mg/kg	27.9	26.1	NA	20.8	NA	21	32.6	NA
Selenium	10	mg/kg	ND(0.861)	0.942	NA	ND(0.869)	NA	2.31	1.51	NA
Silver	20	mg/kg	ND(0.287)	ND(0.284)	NA	ND(0.29)	NA	ND(0.283)	ND(0.289)	NA
Thallium	1.3	mg/kg	ND(0.861)	ND(0.852)	NA	ND(0.869)	NA	ND(0.849)	ND(0.868)	NA
Vanadium	16	mg/kg	**70.7**	**64.6**	NA	**42.4**	NA	**56.2**	**77.5**	NA
Zinc	600	mg/kg	72.9	68.4	NA	55.6	NA	62.3	83.5	NA

NOTES:

[1]Refer to he boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = es imated concentration between
the detection and reporting limits

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at reporting limit shown

TABLE 40
METAL CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B277-5	B278-5	B279-5	B283-05	B284-05	B294-05	B302-05	B303-05
Approx. Depth[1] (feet bgs):			5	5	5	5	5	5	5	5
Date Collected:			01/16/08	01/16/08	01/16/08	01/29/08	01/28/08	01/31/08	02/05/08	01/28/08
Location ID:	CSL	Unit	B277	B278	B279	B283	B284	B294	B302	B303
Antimony	6	mg/kg	NA	ND(0.86)	ND(0.891)	NA	NA	ND(0.91)	ND(0.852)	1.54
Arsenic	13	mg/kg	NA	10.3	4.66	NA	NA	9.55	10.7	5.95
Barium	750	mg/kg	NA	198	177	NA	NA	183	169	181
Beryllium	4	mg/kg	NA	1.4	0.764	NA	NA	0.742	1.05	0.698
Cadmium	1.7	mg/kg	NA	ND(0.573)	ND(0.594)	NA	NA	ND(0.607)	ND(0.568)	ND(0.543)
Chromium	50	mg/kg	NA	35.5	27.6	NA	NA	31	36.9	**117**
Chromium, Hexavalent	530	µg/kg	330	NA	NA	340	230	NA	NA	NA
Cobalt	23	mg/kg	NA	20.6	13.2	NA	NA	14.9	16.7	13.5
Copper	230	mg/kg	NA	36.4	25.3	NA	NA	64.8	33	**261**
Lead	15	mg/kg	NA	**16.1**	**35.6**	NA	NA	**34.4**	14.3	**20.6**
Mercury	1.3	mg/kg	NA	ND(0.0958)	ND(0.0992)	NA	NA	0.135	ND(0.0949)	**1.57**
Molybdenum	40	mg/kg	NA	ND(0.287)	ND(0.297)	NA	NA	**48.8**	ND(0.284)	ND(0.272)
Nickel	100	mg/kg	NA	25.7	19.3	NA	NA	29.8	25.6	19.3
Selenium	10	mg/kg	NA	ND(0.86)	1.03	NA	NA	ND(0.91)	ND(0.852)	2.14
Silver	20	mg/kg	NA	ND(0.287)	ND(0.297)	NA	NA	ND(0.303)	ND(0.284)	ND(0.272)
Thallium	1.3	mg/kg	NA	ND(0.86)	ND(0.891)	NA	NA	ND(0.91)	ND(0.852)	ND(0.815)
Vanadium	16	mg/kg	NA	**83.8**	**47.2**	NA	NA	**49.8**	**67.3**	**47.6**
Zinc	600	mg/kg	NA	70.1	59.4	NA	NA	123	63.1	184

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

J = estimated concentration between
the detection and reporting limits

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at reporting limit shown

TABLE 40
METAL CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B305-5	B306-05	B308-05	B309-5	B322-05	B324-00	B324-02	B325-00	B325-02	B326-00	B326-02
Approx. Depth[1] (feet bgs):			5	5	5	5	5	0	2	0	2	0	2
Date Collected:			01/19/09	01/31/08	01/30/08	01/19/09	02/01/08	04/08/08	04/08/08	04/08/08	04/08/08	04/08/08	04/08/08
Location ID:	CSL	Unit	B305	B306	B308	B309	B322	B324	B324	B325	B325	B326	B326
Antimony	6	mg/kg	NA	1.05	NA	NA	ND(0.846)	ND(0.88)	ND(0.87)	ND(0.837)	ND(0.841)	ND(0.847)	ND(0.867)
Arsenic	13	mg/kg	NA	5.77	NA	NA	4.47	7.13	7.38	6.01	5.23	7.14	8.37
Barium	750	mg/kg	NA	152	NA	NA	127	235	222	202	197	240	195
Beryllium	4	mg/kg	NA	0.679	NA	NA	0.503	1.05	1.05	0.731	0.805	1.01	1.11
Cadmium	1.7	mg/kg	NA	ND(0.59)	NA	NA	ND(0.564)	0.649	0.581	0.71	ND(0.561)	0.625	0.615
Chromium	50	mg/kg	NA	42	NA	NA	25.1	37.8	38.6	28.4	28	36.9	40.8
Chromium, Hexavalent	530	µg/kg	230	**1,700**	160	**560**	NA	NA	NA	NA	NA	NA	NA
Cobalt	23	mg/kg	NA	9.01	NA	NA	9.64	17.6	17.8	12.4	14.3	17.3	18.7
Copper	230	mg/kg	NA	20.7	NA	NA	22.6	34	40.1	30.9	28.9	34.3	44.3
Lead	15	mg/kg	NA	9.71	NA	NA	**150**	**54.2**	10.2	**508**	9.23	**30.3**	11.3
Mercury	1.3	mg/kg	NA	0.116	NA	NA	ND(0.0941)	ND(0.098)	ND(0.0969)	ND(0.0932)	ND(0.0936)	ND(0.0942)	ND(0.0965)
Molybdenum	40	mg/kg	NA	ND(0.295)	NA	NA	ND(0.282)	ND(0.293)	ND(0.29)	ND(0.279)	ND(0.28)	ND(0.282)	ND(0.289)
Nickel	100	mg/kg	NA	16.7	NA	NA	15.8	26.1	30.9	19.9	22.6	26	32.6
Selenium	10	mg/kg	NA	ND(0.884)	NA	NA	ND(0.846)	ND(0.88)	ND(0.87)	ND(0.837)	ND(0.841)	ND(0.847)	ND(0.867)
Silver	20	mg/kg	NA	ND(0.295)	NA	NA	ND(0.282)	ND(0.293)	ND(0.29)	ND(0.279)	ND(0.28)	ND(0.282)	ND(0.289)
Thallium	1.3	mg/kg	NA	ND(0.884)	NA	NA	ND(0.846)	**4.71**	**5.68**	**3.14**	**3.93**	**3.37**	**4.57**
Vanadium	16	mg/kg	NA	**50.7**	NA	NA	**33.3**	**66.6**	**66.7**	**47.6**	**51.7**	**64.6**	**69.8**
Zinc	600	mg/kg	NA	54.6	NA	NA	66.3	110	91.2	171	80.8	124	91.1

NOTES:

[1]Refer to the boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = iden ification

J = estimated concentration between
the detection and reporting limits

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

NA = not analyzed

ND = analyte not detected at reporting limit shown

TABLE 41
PCB DETECTION FREQUENCY IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Analyte[1]	Approximate Depth[2] (feet bgs)	Minimum Detection (mg/kg)	Maximum Detection (mg/kg)	Number of Detections	Number of Samples Analyzed	Percent Detection
PCB-1254	5	0.24	0.24	1	8	12.5

NOTES:

[1]PCBs analyzed for but not listed in this table were not detected.

[2]Refer to the boring logs for exact sample depths

bgs = below ground surface

mg/kg = milligrams per kilogram

TABLE 42
PCB CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B246-5	B253-05	B293-5	B294-05	B295-5	B306-05	B314-05	B319-5
Approx. Depth[1] (feet bgs):			5	5	5	5	5	5	5	5
Date Collected:			01/15/08	01/31/08	01/22/09	01/31/08	01/22/09	01/31/08	01/30/08	01/21/09
Location ID:	CSL	Unit	B246	B253	B293	B294	B295	B306	B314	B319
PCB-1016	89	µg/kg	ND(57)	ND(57)	ND(65)	ND(61)	ND(59)	ND(59)	ND(59)	ND(56)
PCB-1221	89	µg/kg	ND(57)	ND(57)	ND(65)	ND(61)	ND(59)	ND(59)	ND(59)	ND(56)
PCB-1232	89	µg/kg	ND(57)	ND(57)	ND(65)	ND(61)	ND(59)	ND(59)	ND(59)	ND(56)
PCB-1242	89	µg/kg	ND(57)	ND(57)	ND(65)	ND(61)	ND(59)	ND(59)	ND(59)	ND(56)
PCB-1248	89	µg/kg	ND(57)	ND(57)	ND(65)	ND(61)	ND(59)	ND(59)	ND(59)	ND(56)
PCB-1254	89	µg/kg	ND(57)	ND(57)	ND(65)	**240**	ND(59)	ND(59)	ND(59)	ND(56)
PCB-1260	89	µg/kg	ND(57)	ND(57)	ND(65)	ND(61)	ND(59)	ND(59)	ND(59)	ND(56)
PCB-1262	--	µg/kg	ND(57)	ND(57)	ND(65)	ND(61)	ND(59)	ND(59)	ND(59)	ND(56)

NOTES:

[1]Refer to he boring logs for exact sample depths

Detections exceeding CSLs are bolded and shaded.

bgs = below ground surface

CSL = Cleanup Screening Level

ID = identification

µg/kg = micrograms per kilogram

ND = analyte not detected at reporting limit shown

PCB = polychlorinated biphenyl

-- = not applicable

TABLE 43
OCP CONCENTRATIONS IN UNDER-STRUCTURE SOIL

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

Sample ID:			B248-05	B260-05	B268-05	B277-5	B287-5	B294-05	B303-05	B315-05	B322-05
Approx. Depth[1] (feet bgs):			5	5	5	5	5	5	5	5	5
Date Collected:			01/15/08	02/01/08	02/01/08	01/16/08	01/22/08	01/31/08	01/28/08	01/30/08	02/01/08
Location ID:	CSL	Unit	B248	B260	B268	B277	B287	B294	B303	B315	B322
4,4-DDD	2,000	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
4,4-DDE	1,400	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
4,4-DDT	1,700	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Aldrin	29	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Alpha BHC	- -	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Beta BHC	- -	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Chlordane	430	µg/kg	ND(57)	ND(56)	ND(58)	ND(58)	ND(60)	ND(61)	ND(50)	ND(58)	ND(56)
Delta BHC	- -	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Dieldrin	2.3	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Endosulfan I	370,000	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Endosulfan II	370,000	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Endosulfan sulfate	- -	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Endrin	0.65	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Endrin aldehyde	- -	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Endrin Ketone	- -	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Heptachlor	13	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Heptachlor epoxide	14	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Lindane	500	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Methoxychlor	19,000	µg/kg	ND(5.7)	ND(5.6)	ND(5.8)	ND(5.8)	ND(6)	ND(6.1)	ND(5)	ND(5.8)	ND(5.6)
Toxaphene	0.42	µg/kg	ND(110)	ND(110)	ND(120)	ND(120)	ND(120)	ND(120)	ND(100)	ND(120)	ND(110)

NOTES:

[1]Refer to the boring logs for exact sample dep hs

bgs = below ground surface

CSL = Cleanup Screening Level

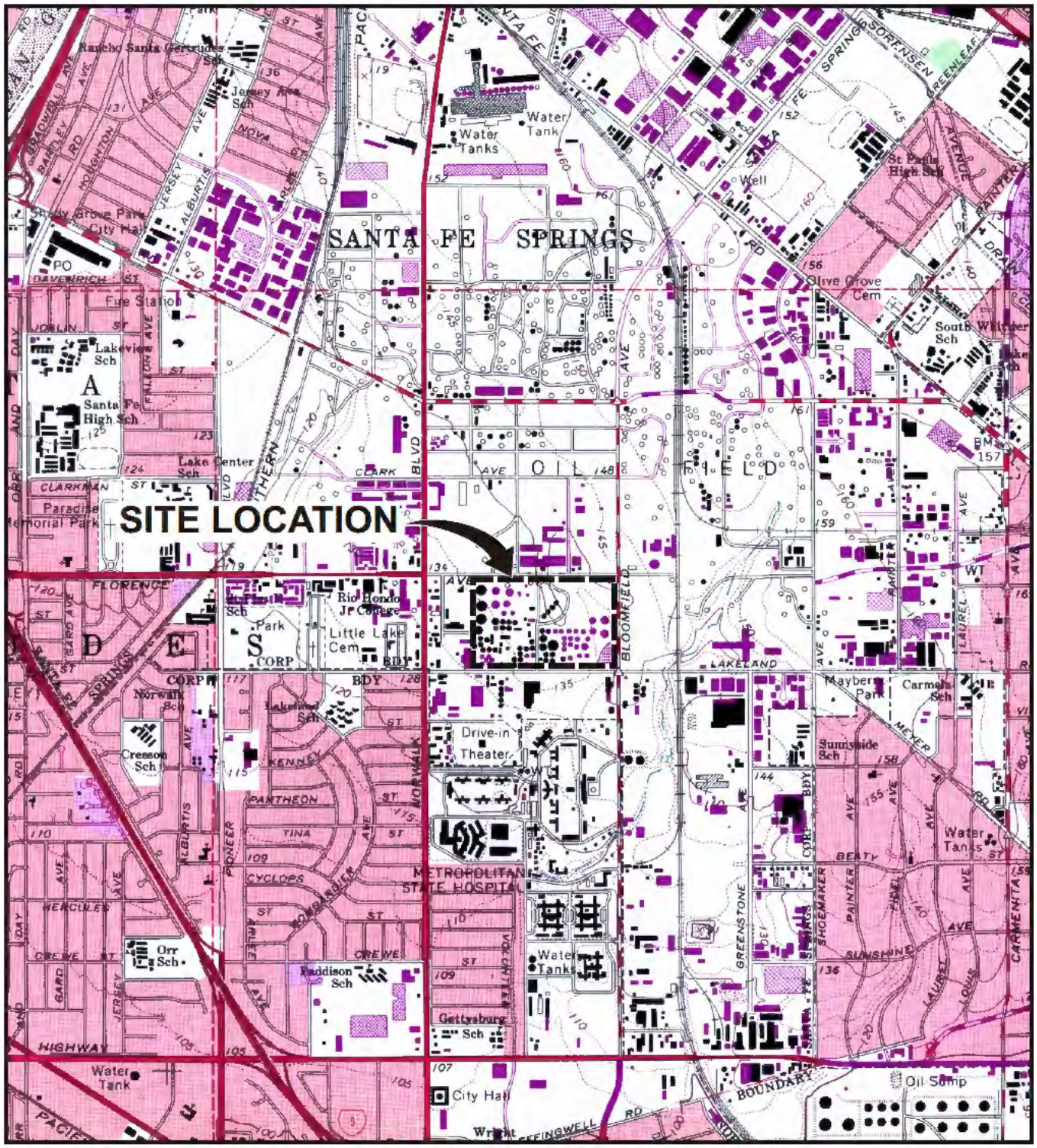
ID = identifica ion

µg/kg = micrograms per kilogram

ND = analyte not detected at repor ing limit shown

OCP = organochlorine pesticide

-- = not applicable



REFERENCE: BASE MAP USGS 7.5 MIN. QUAD., WHITTIER, CA. 1965, PHOTOREVISED 1981.

2000' 0 2000'

Approximate Scale: 1" = 2000'

Area Location

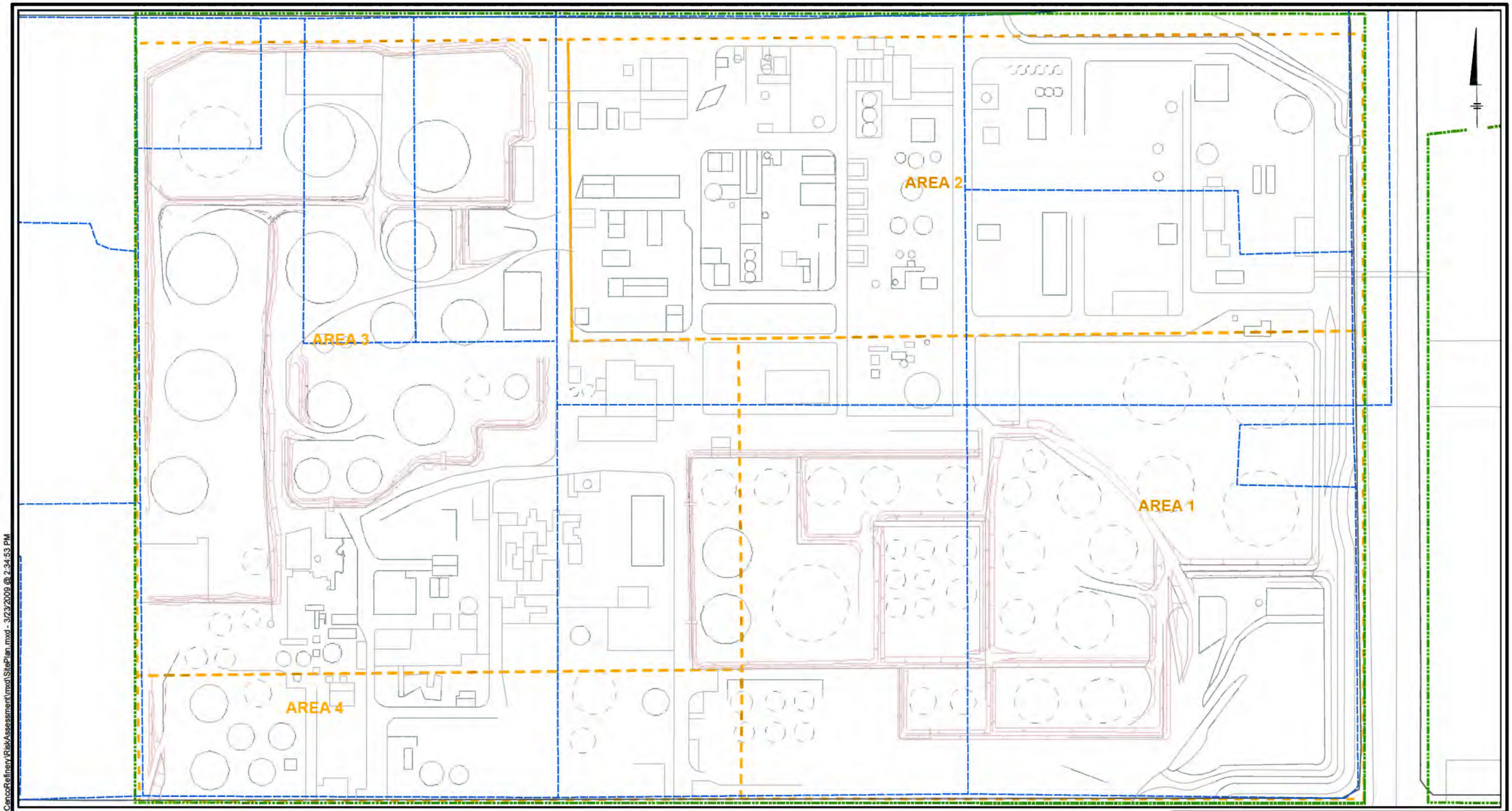
ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA
SUPPLEMENTAL SOIL INVESTIGATION REPORT

SITE LOCATION MAP

ARCADIS

FIGURE
1

03/16/09 SYRACUSE, NY-ENV/CAD-DJH
B0054217/0000/00002/CDR/54217N01 CDR



LEGEND:

- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

SUPPLEMENTAL SOIL INVESTIGATION REPORT

SITE PLAN

ARCADIS

FIGURE 2

SYR-85 JCR
Isola & Assoc. (54211.6)
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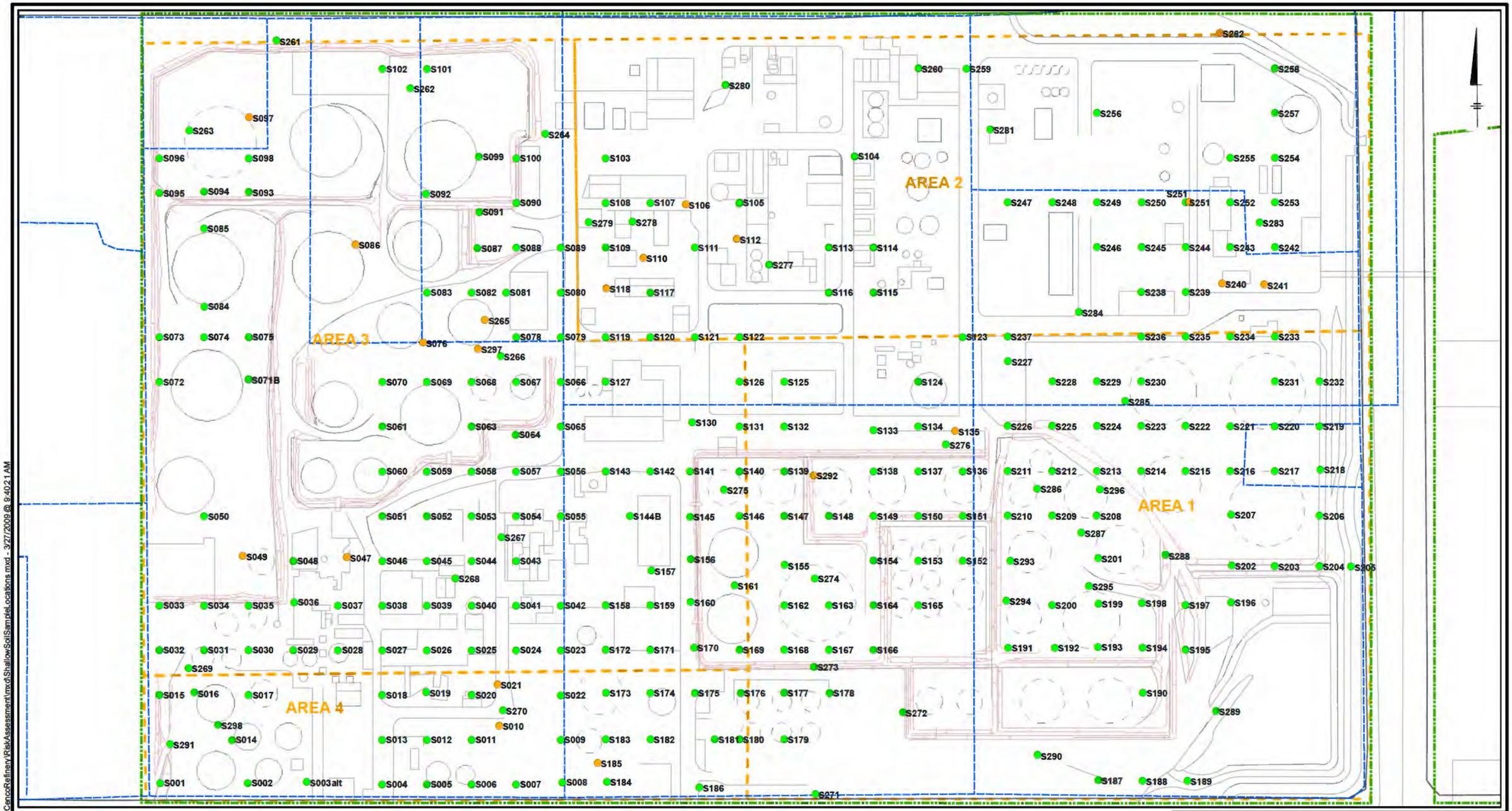

LEGEND:

- SURFACE SOIL BORING LOCATION 2009
- SURFACE SOIL BORING LOCATION 2008
- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

SUPPLEMENTAL SOIL INVESTIGATION REPORT

SURFACE SOIL BORING LOCATIONS

ARCADIS

FIGURE 3

SYR-85 JCR
Isola & Assoc. (54211.6)
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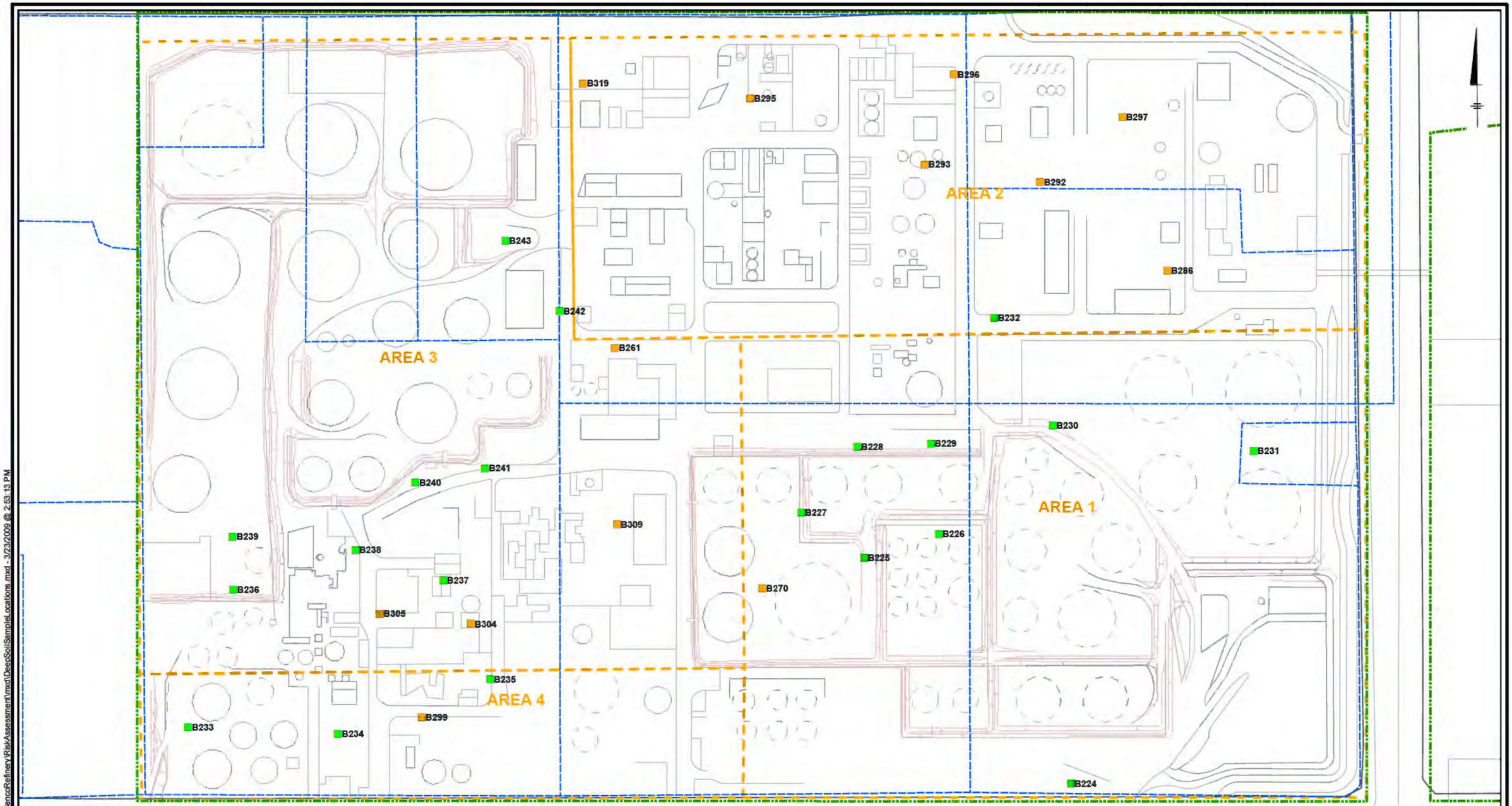

LEGEND:

- DEEP SOIL BORING LOCATION 2009
- DEEP SOIL BORING LOCATION 2008
- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA
SUPPLEMENTAL SOIL INVESTIGATION REPORT

DEEP SOIL BORING LOCATIONS

ARCADIS

FIGURE 4

SYR-85 JCR
Isola & Assoc. (54211.6)
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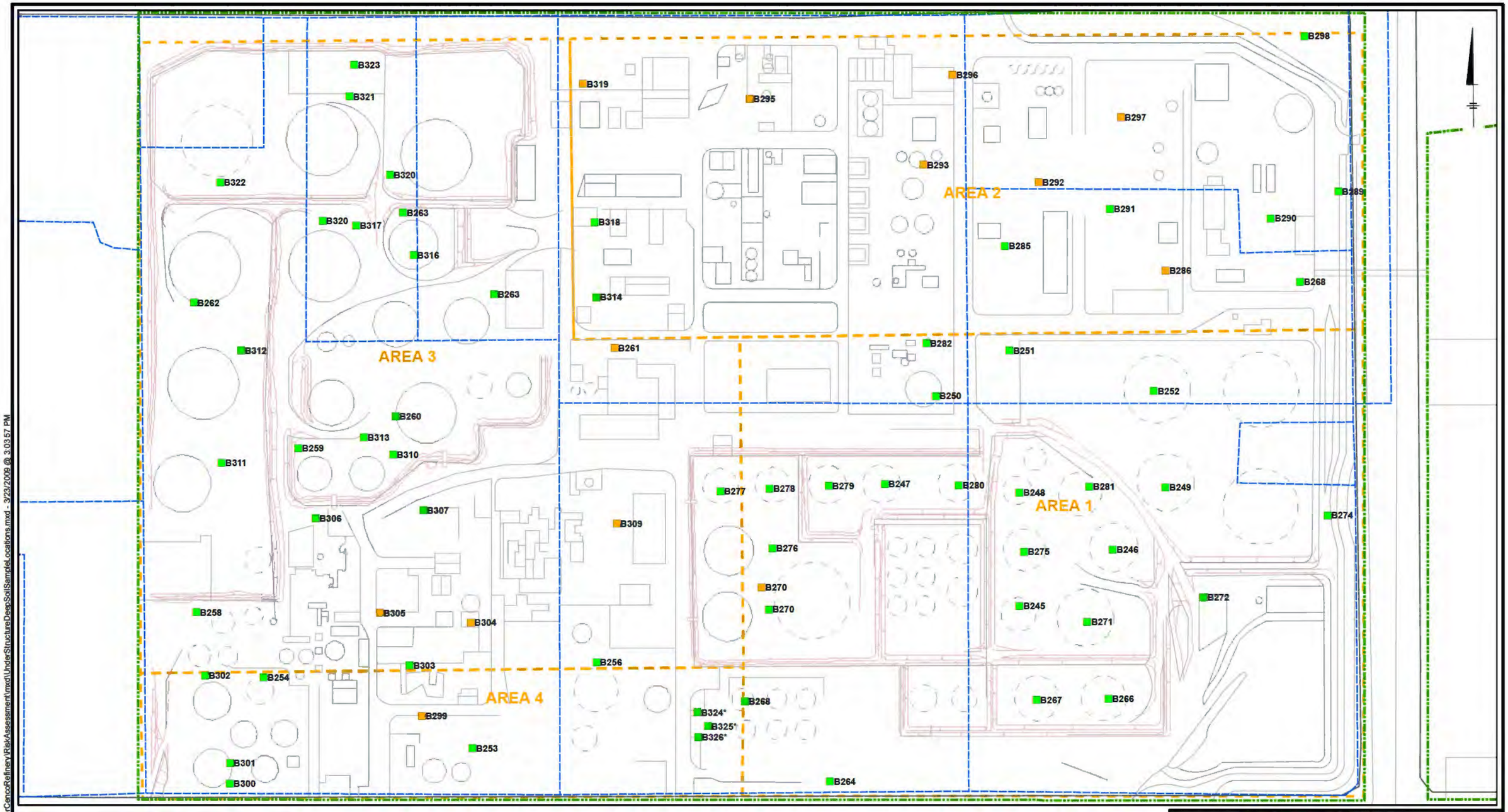

LEGEND:

- DEEP SOIL BORING LOCATION 2009
- DEEP SOIL BORING LOCATION 2008
- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

NOTE:

1. * SAMPLES COLLECTED DOWN TO 2 FEET BELOW GROUND SURFACE UNDER FORMER TETRAETHYL LEAD STORAGE BUILDING.

0 150 300 Feet

GRAPHIC SCALE

ISOLA LAW GROUP, LLP
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SANTA FE SPRINGS, CALIFORNIA

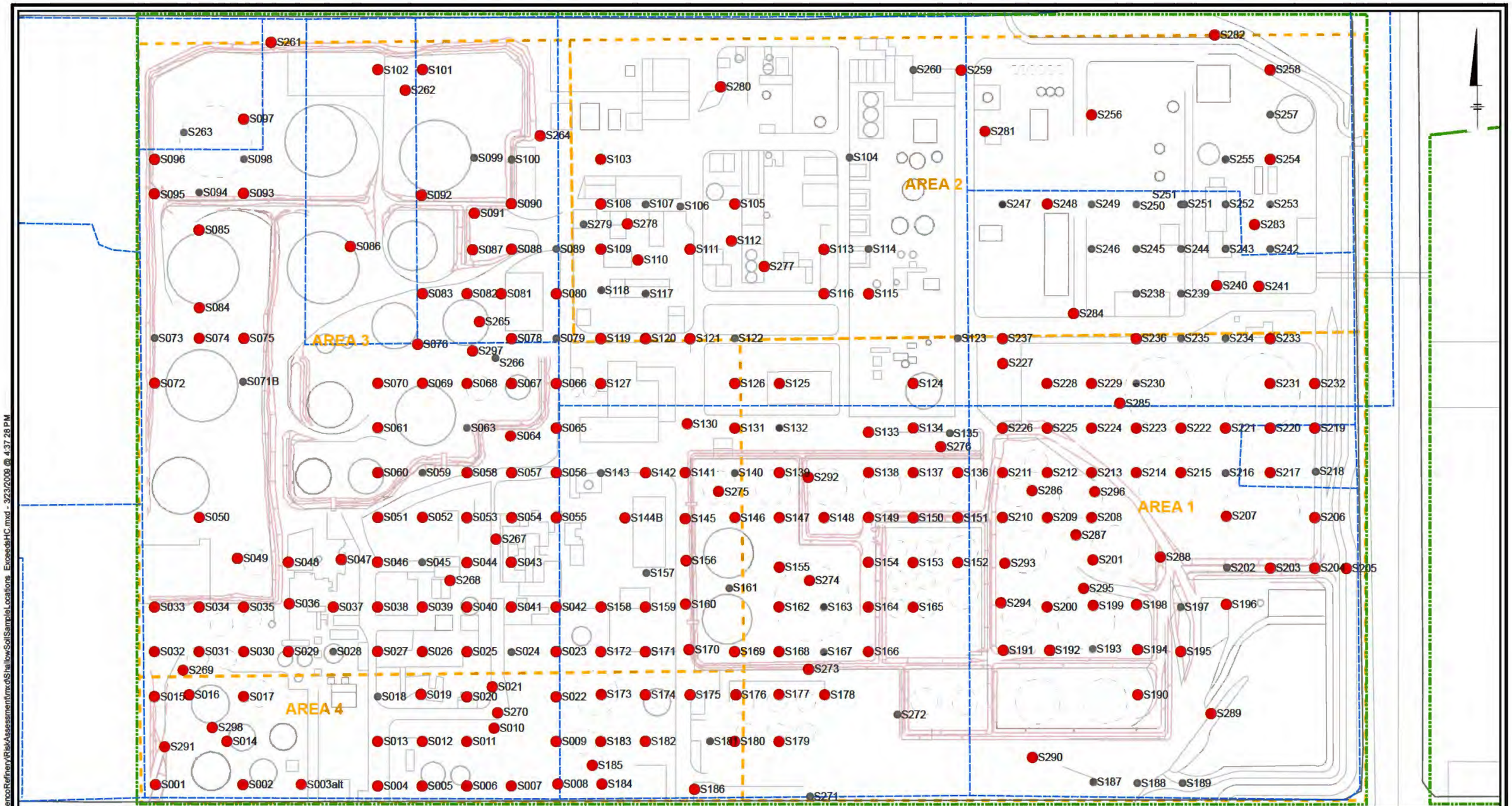
SUPPLEMENTAL SOIL INVESTIGATION REPORT

UNDER-STRUCTURE SOIL BORING LOCATIONS

ARCADIS

FIGURE 5

SYR-85 JCR
Isola & Assoc. (54211.6)
Q:\IsolaandAssociates\SantaFeSprings\FormerCencoRefinery\RiskAssessment\mxd\UnderStructureDeepSoilSampleLocations.mxd - 3/23/2009 @ 3:03:57 PM



LEGEND:

SURFACE SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) FOR TPH
- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

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SUPPLEMENTAL SOIL INVESTIGATION REPORT

SURFACE SOIL BORING LOCATIONS - TPH EXCEEDANCES

ARCADIS

FIGURE 6

SYR-85 JCR
Isola & Assoc. (54211.6)
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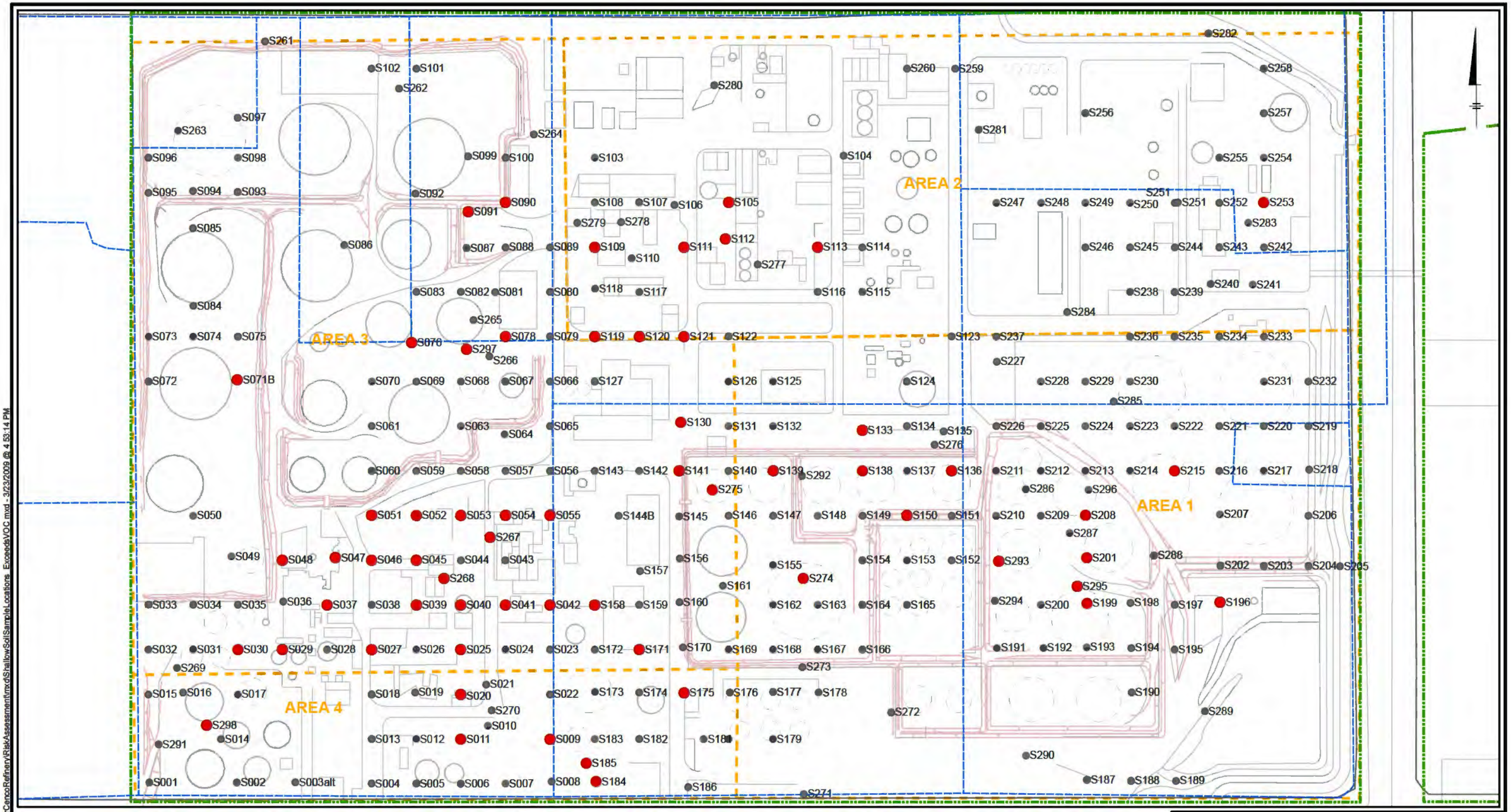

LEGEND:

SURFACE SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) FOR VOCs
- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

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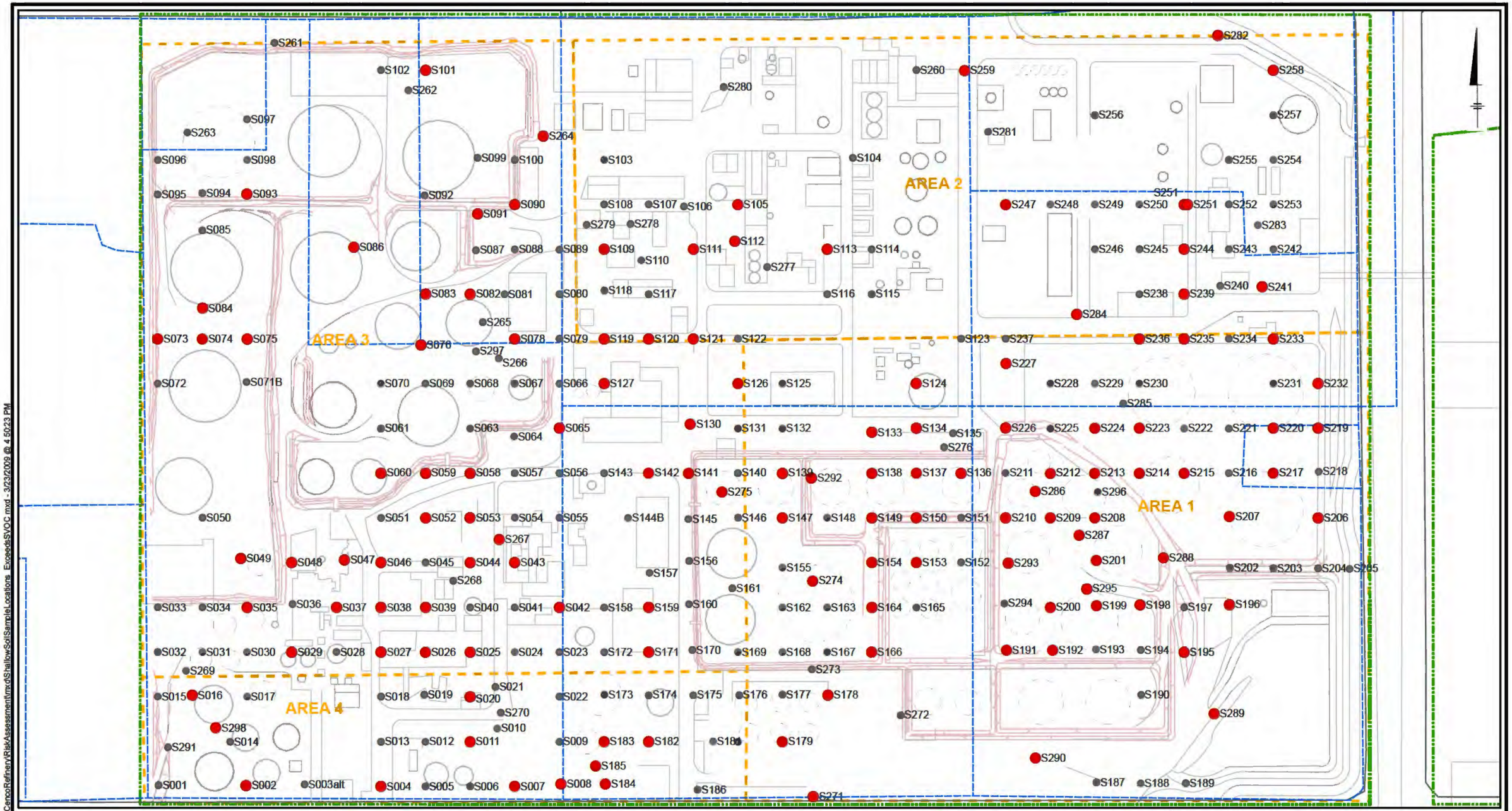
SUPPLEMENTAL SOIL INVESTIGATION REPORT

SURFACE SOIL BORING LOCATIONS - VOC EXCEEDANCES

ARCADIS

FIGURE 7

SYR-86 JCR
Isola & Assoc. (54211.6)
Q:\IsolaandAssociates\SantaFeSprings\FormerCencoRefinery\RiskAssessment\mxd\ShallowSoilSampleLocations_ExceedsVOC.mxd - 3/23/2009 @ 4:53:14 PM



LEGEND:

SURFACE SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) FOR PAHs
- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

ISOLA LAW GROUP, LLP
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SANTA FE SPRINGS, CALIFORNIA

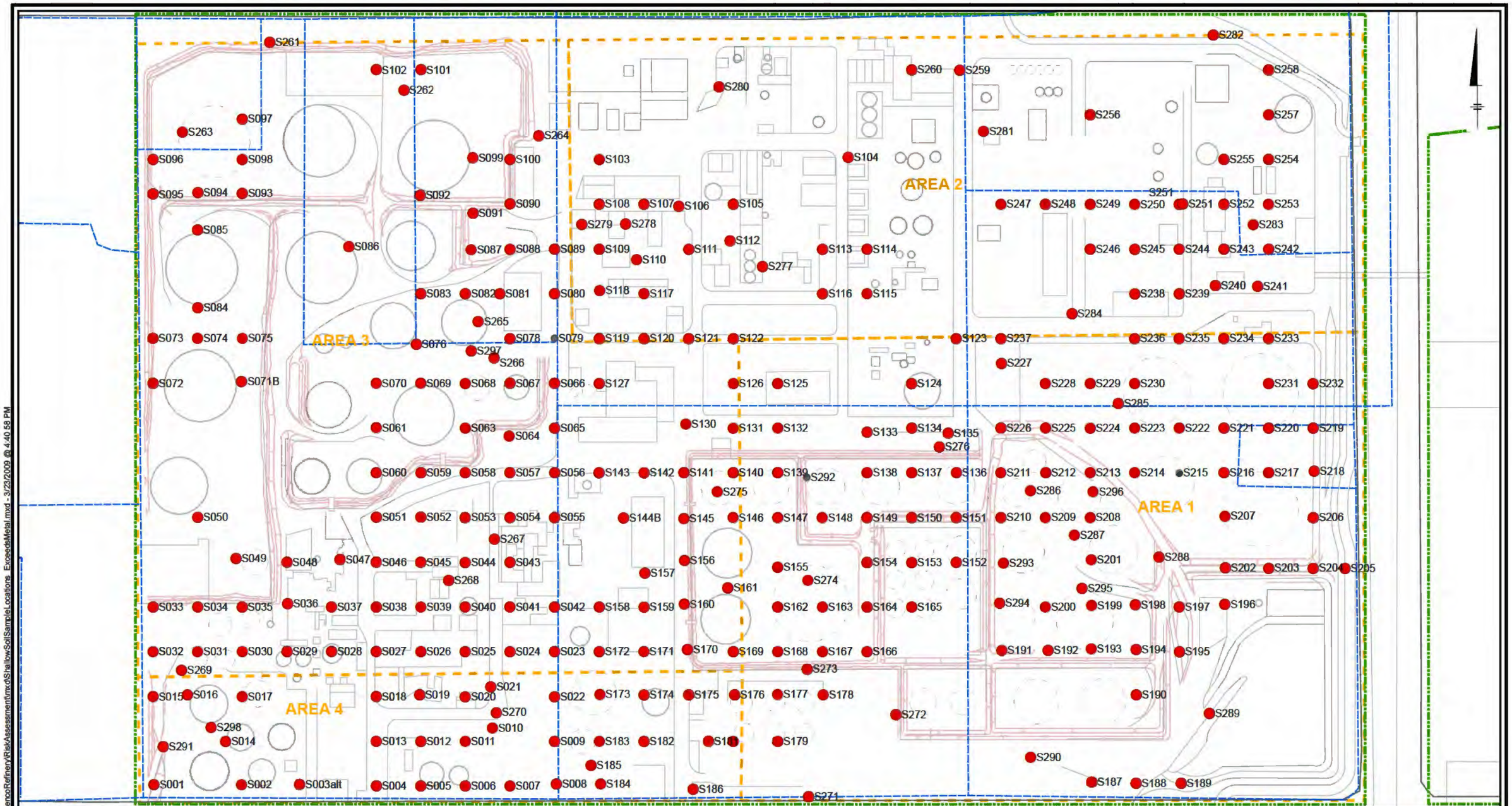
SUPPLEMENTAL SOIL INVESTIGATION REPORT

SURFACE SOIL BORING LOCATIONS - PAH EXCEEDANCES

ARCADIS

FIGURE 8

SYR-85 JCR
Isola & Assoc. (54211.6)
Q:\Isola\Associates\SantaFeSprings\FormerCencoRefinery\Risk\Assessment\mxd\ShallowSoilSampleLocations_ExceedsSVOC.mxd - 3/23/2009 @ 4:50:23 PM



LEGEND:

SURFACE SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) FOR METALS
- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

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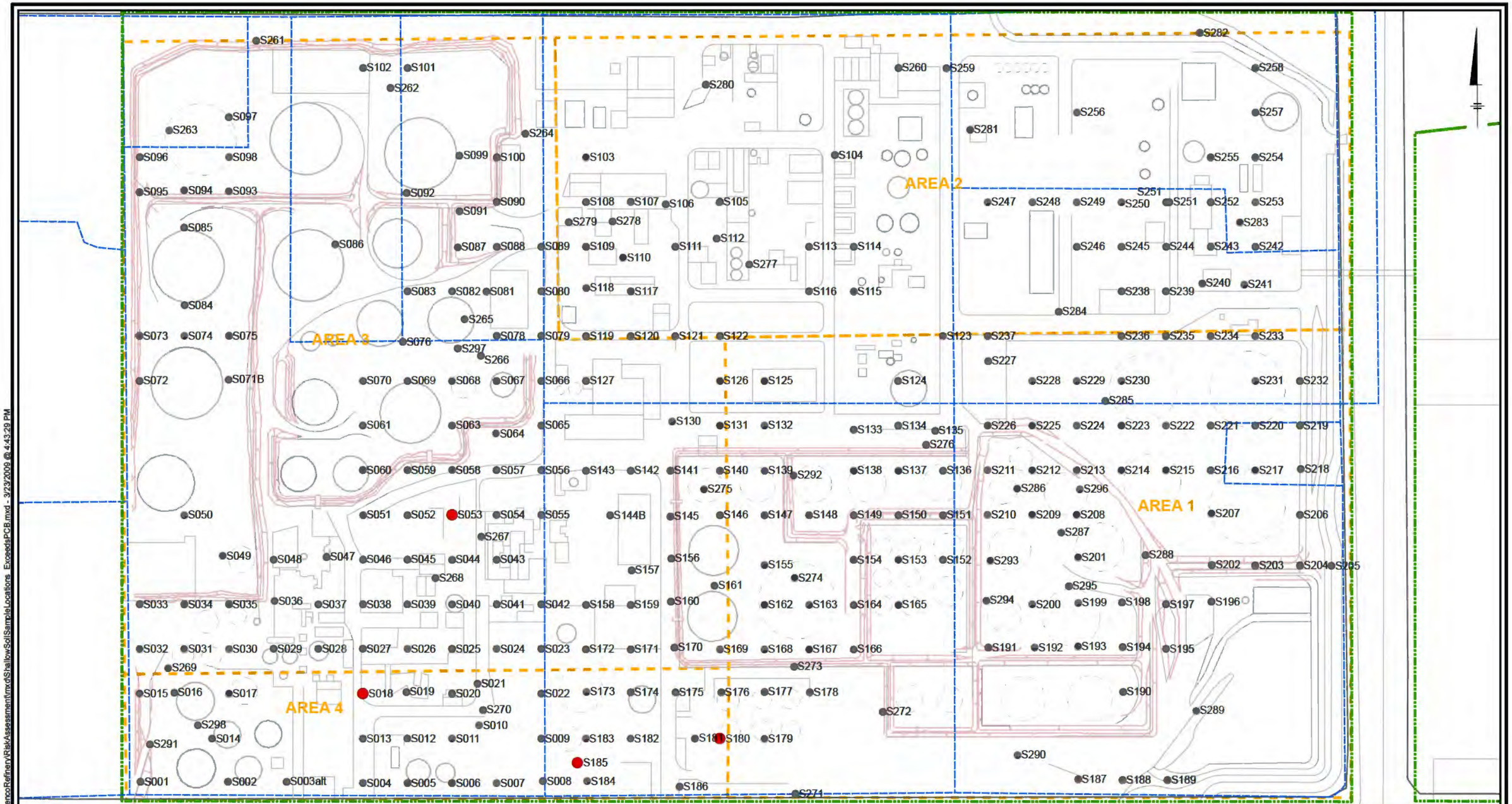
SUPPLEMENTAL SOIL INVESTIGATION REPORT

SURFACE SOIL BORING LOCATIONS - METAL EXCEEDANCES

ARCADIS

FIGURE 9

SYR-85 JCR
Isola & Assoc. (54211.6)
Q:\IsolaandAssociates\SantaFeSprings\FormerCencoRefinery\RiskAssessment\mxd\ShallowSoilSampleLocations_ExceedsMetal.mxd - 3/23/2009 @ 4:40:58 PM



LEGEND:

SURFACE SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) FOR PCBs
- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

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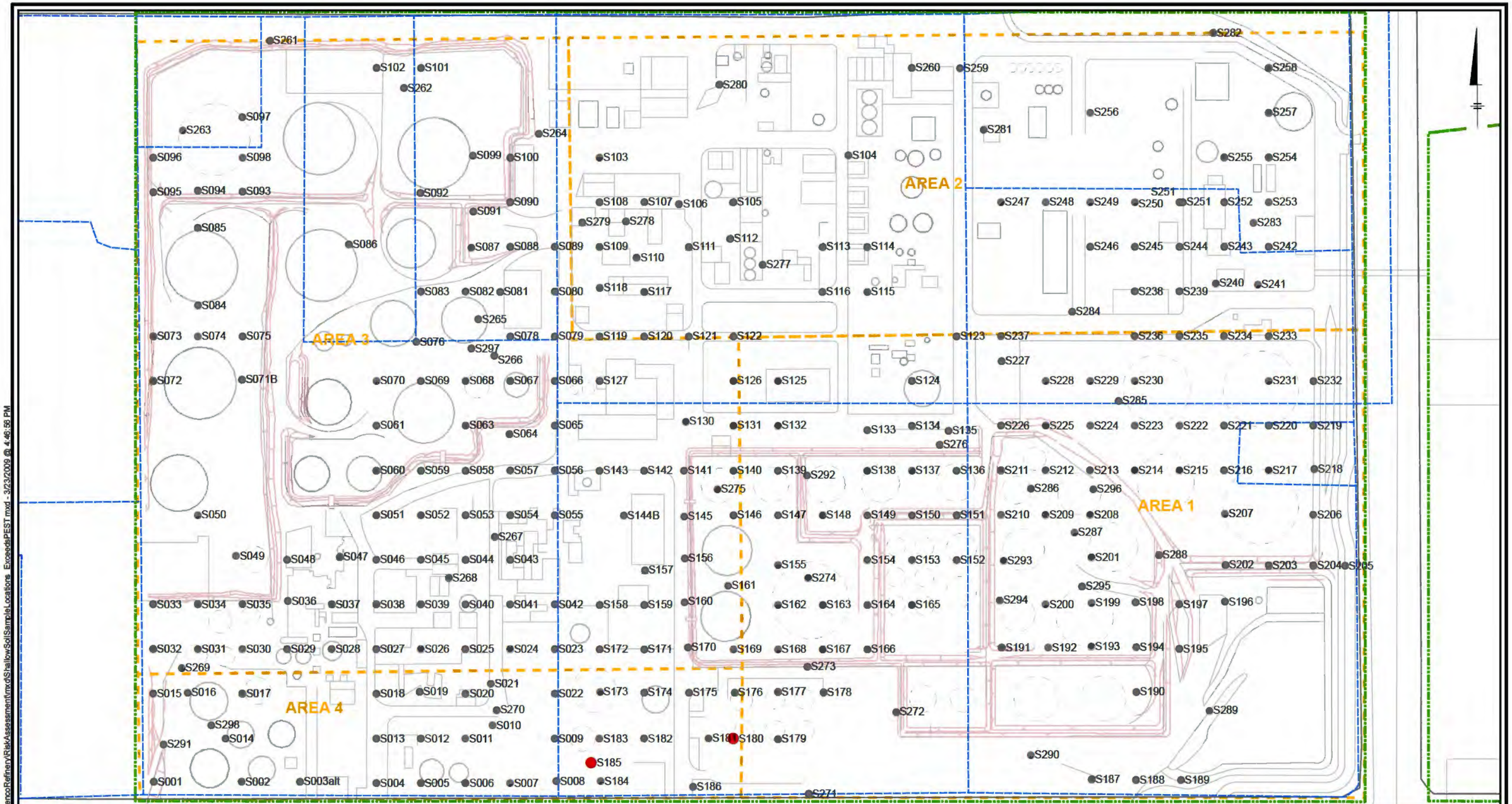
SUPPLEMENTAL SOIL INVESTIGATION REPORT

SURFACE SOIL BORING LOCATIONS - PCB EXCEEDANCES

ARCADIS

FIGURE 10

SYR-85 JCR
Isola & Assoc. (54211.6)
Q:\IsolaandAssociates\SantaFeSpringsFormerCencoRefinery\RiskAssessment\mxd\ShallowSoilSampleLocations_ExceedsPCB.mxd - 3/23/2009 @ 4:43:29 PM



LEGEND:

SURFACE SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) FOR OCPs
- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

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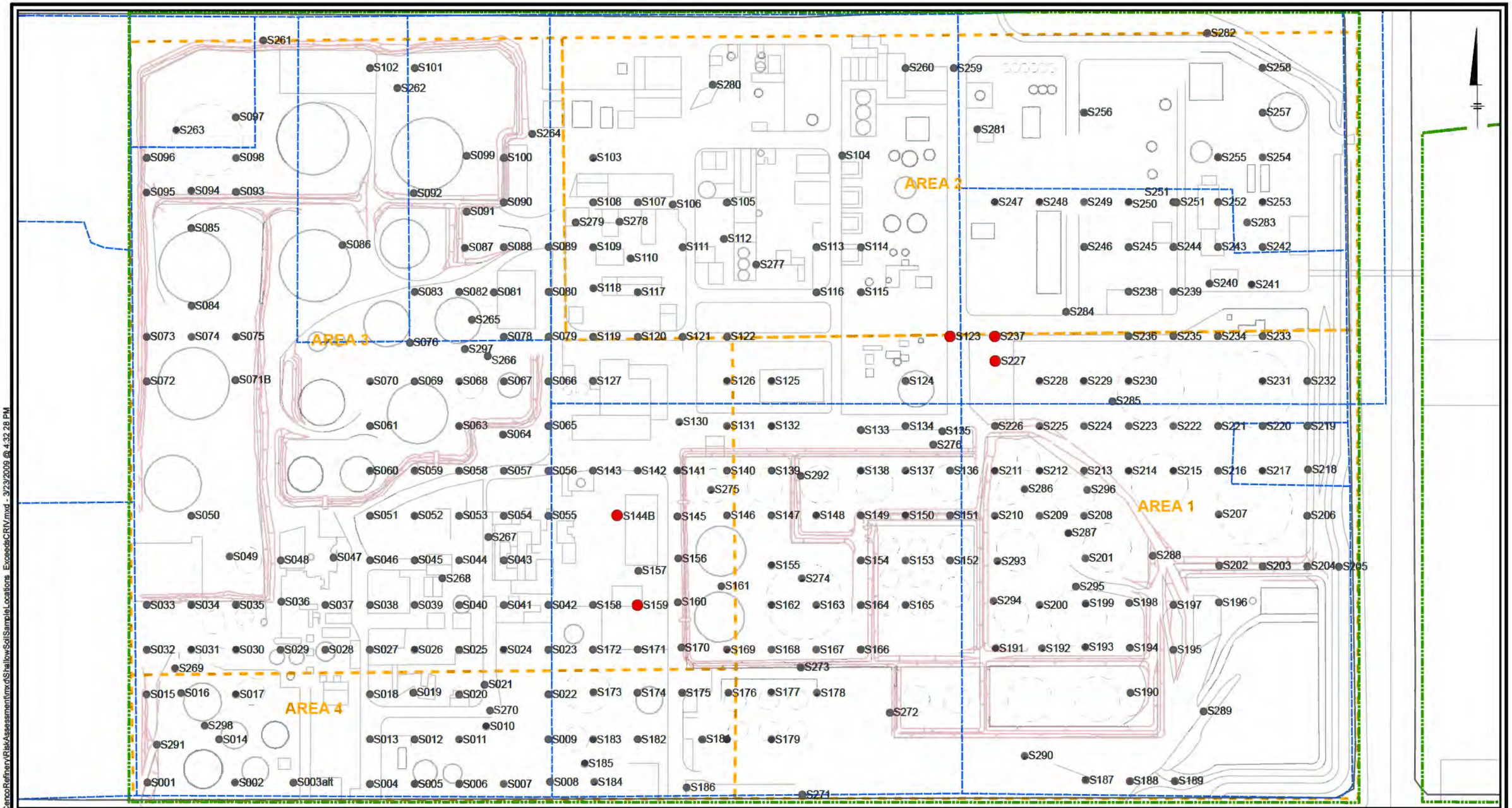
SUPPLEMENTAL SOIL INVESTIGATION REPORT

SURFACE SOIL BORING LOCATIONS - OCP EXCEEDANCES

ARCADIS

FIGURE 11

SYR-85 JCR
Isola & Assoc. (54211.6)
Q:\IsolaandAssociates\SantaFeSpringsFormerCencoRefinery\RiskAssessment\mxd\ShallowSoilSampleLocations_ExceedsPEST.mxd - 3/23/2009 @ 4:46:56 PM



LEGEND:

SURFACE SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) FOR HEXAVALENT CHROMIUM
- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

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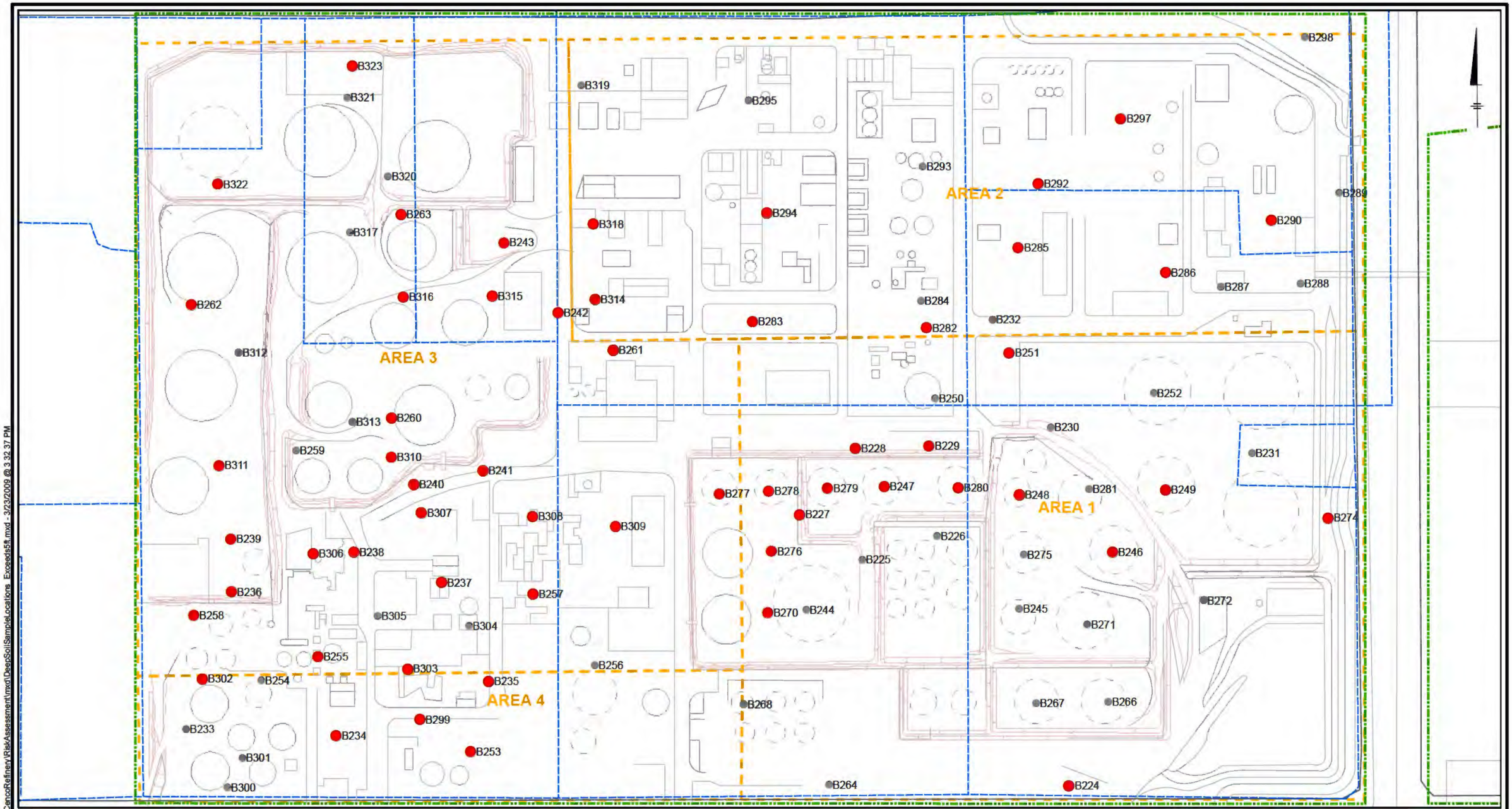
SUPPLEMENTAL SOIL INVESTIGATION REPORT

SURFACE SOIL BORING LOCATIONS - HEXAVALENT CHROMIUM EXCEEDANCES

ARCADIS

FIGURE 12

SYR-86 JCR
Isola & Assoc. (54211.6)
Q:\IsolaandAssociates\SantaFeSprings\FormerCencoRefinery\Risk\Assessment\mxd\ShallowSoilSampleLocations_ExceedsCRIV.mxd - 3/23/2009 @ 4:32:28 PM



LEGEND:

DEEP SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) AT A DEPTH OF 5 FEET BELOW GROUND SURFACE FOR ONE OR MORE CONSTITUENTS IN THE FOLLOWING GROUPS: TPH, VOCs, PAHs, METALS, PCBs, OCPs, OR HEXAVALENT CHROMIUM

- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

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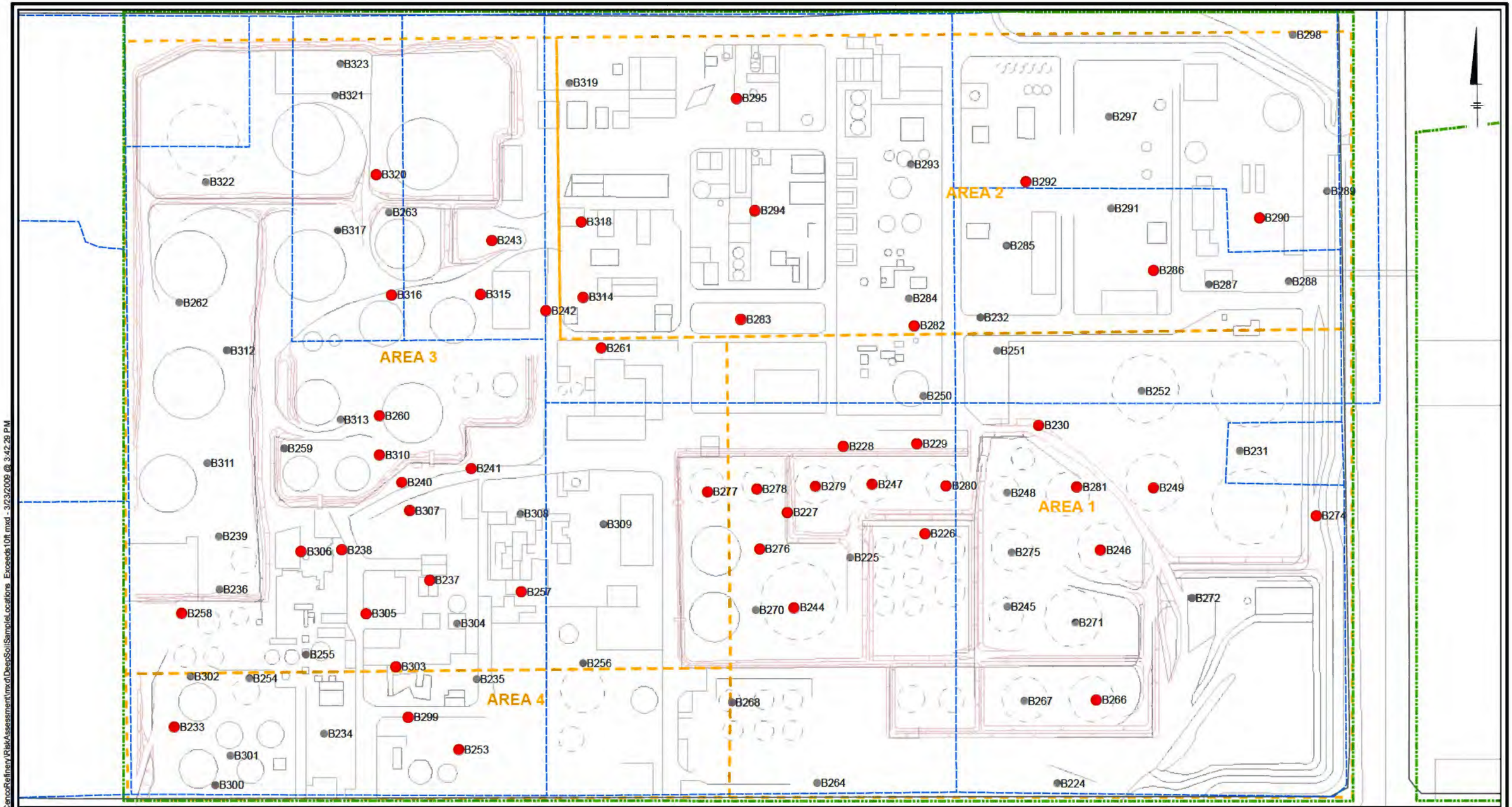
SUPPLEMENTAL SOIL INVESTIGATION REPORT

DEEP SOIL BORING LOCATIONS - EXCEEDANCES AT 5 FEET BGS

ARCADIS

FIGURE 13

SYR-85 JCR
Isola & Assoc. (54211.6)
Q:\IsolaandAssociates\SantaFeSprings\FormerCencoRefinery\RiskAssessment\mxd\DeepSoilSampleLocations_Exceeds5ft.mxd - 3/23/2009 @ 3:32:37 PM



LEGEND:

DEEP SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) AT A DEPTH OF 10 FEET BELOW GROUND SURFACE FOR ONE OR MORE CONSTITUENTS IN THE FOLLOWING GROUPS: TPH, VOCs, PAHs, METALS, PCBs, OCPs, OR HEXAVALENT CHROMIUM

- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

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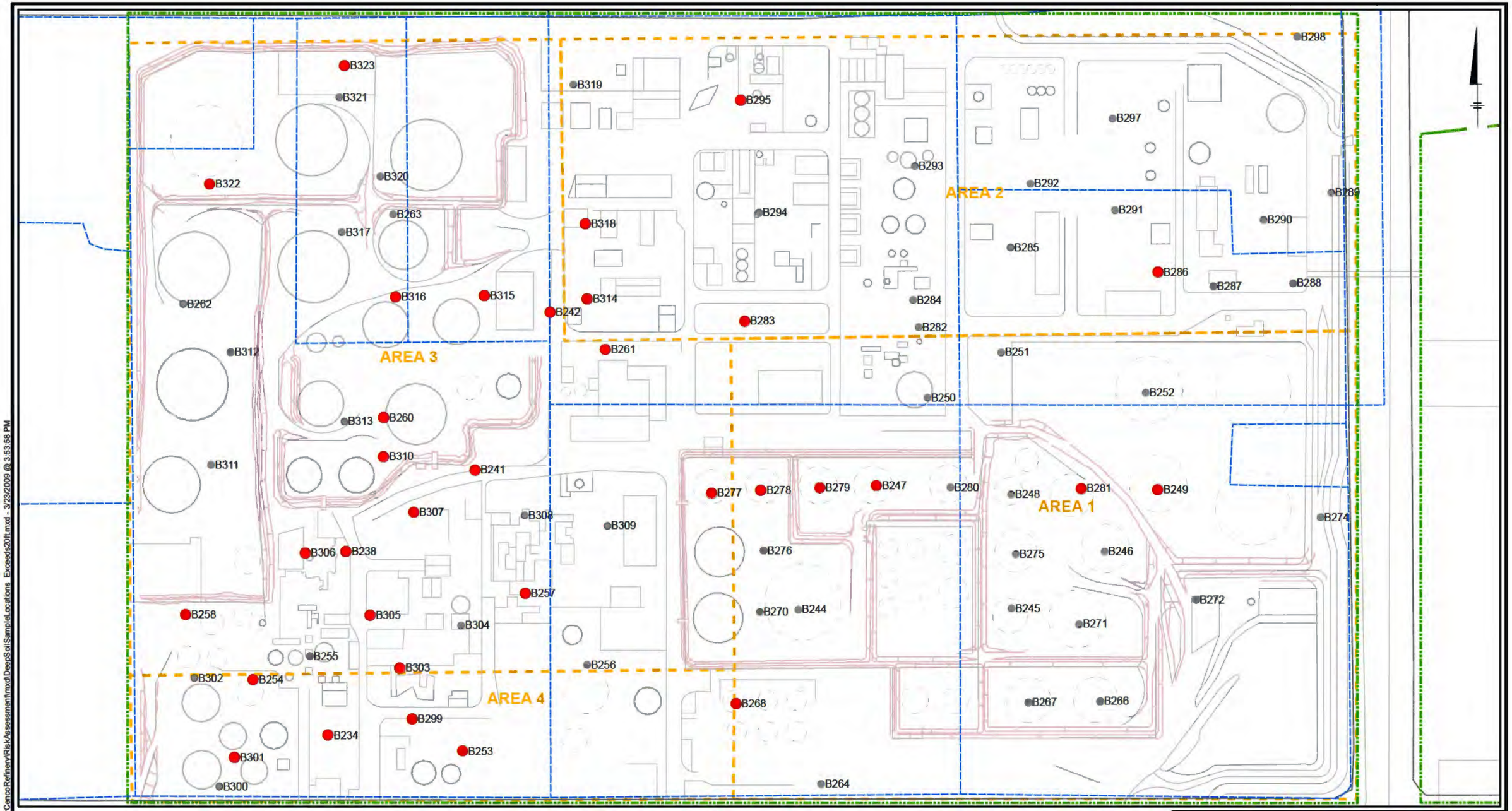
SUPPLEMENTAL SOIL INVESTIGATION REPORT

DEEP SOIL BORING LOCATIONS - EXCEEDANCES AT 10 FEET BGS

ARCADIS

FIGURE 14

SYR-85 JCR
Isola & Assoc. (542116)
Q:\IsolaandAssociates\SantaFeSprings\FormerCencoRefinery\RiskAssessment\mxd\DeepSoilSampleLocations_Exceeds10ft.mxd - 3/23/2009 @ 3:42:29 PM



LEGEND:

DEEP SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) AT A DEPTH OF 20 FEET BELOW GROUND SURFACE FOR ONE OR MORE CONSTITUENTS IN THE FOLLOWING GROUPS: TPH, VOCs, PAHs, METALS, PCBs, OCPs, OR HEXAVALENT CHROMIUM

- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

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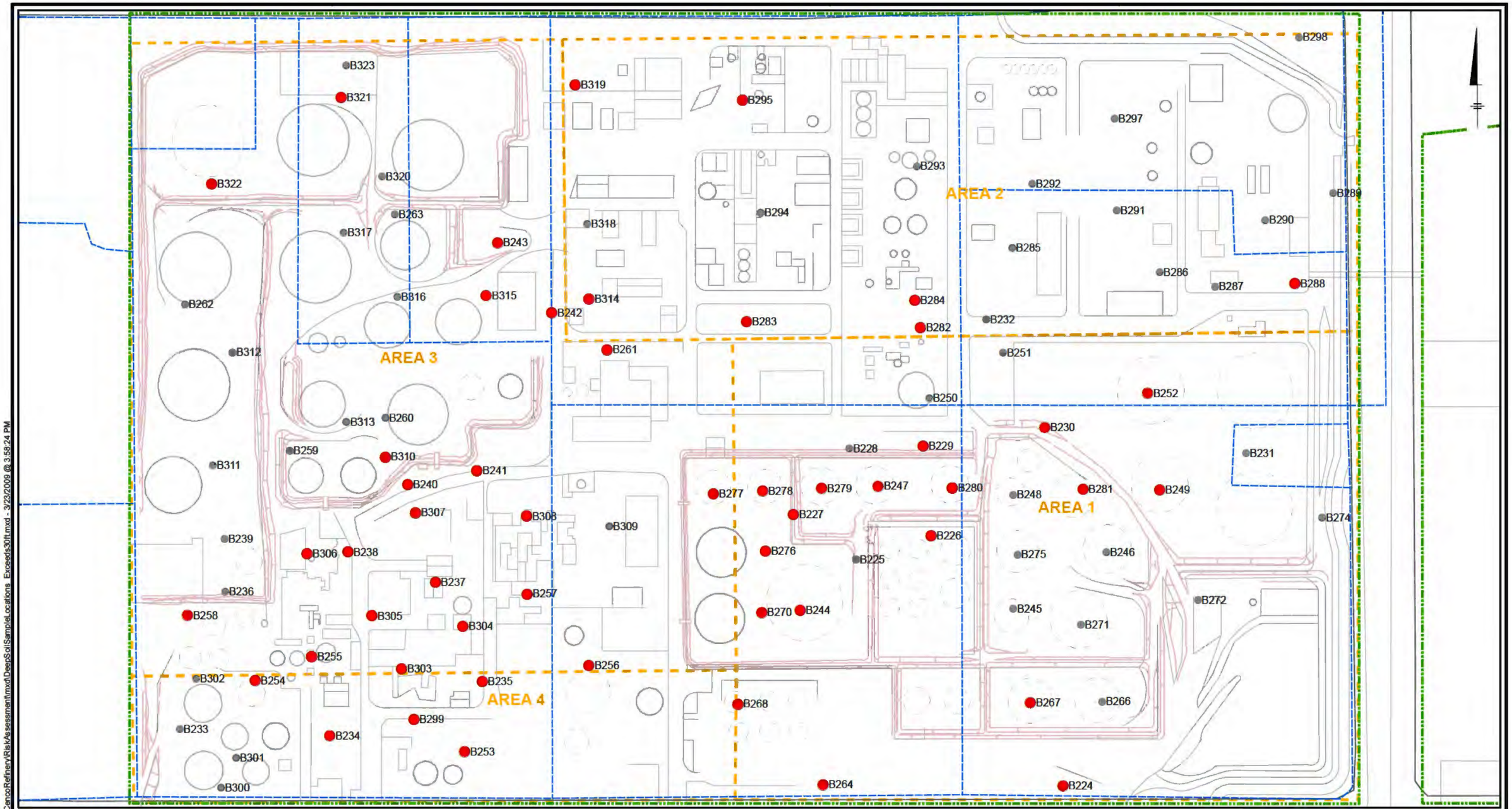
SUPPLEMENTAL SOIL INVESTIGATION REPORT

DEEP SOIL BORING LOCATIONS - EXCEEDANCES AT 20 FEET BGS

ARCADIS

FIGURE 15

SYR-85 JCR
Isola & Assoc. (54211.6)
Q:\IsolaandAssociates\SantaFeSpringsFormerCencoRefinery\RiskAssessment\mxd\DeepSoilSampleLocations_Exceeds20ft.mxd - 3/23/2009 @ 3:53:58 PM



LEGEND:

DEEP SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) AT A DEPTH OF 30 FEET BELOW GROUND SURFACE FOR ONE OR MORE CONSTITUENTS IN THE FOLLOWING GROUPS: TPH, VOCs, PAHs, METALS, PCBs, OCPs, OR HEXAVALENT CHROMIUM

- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

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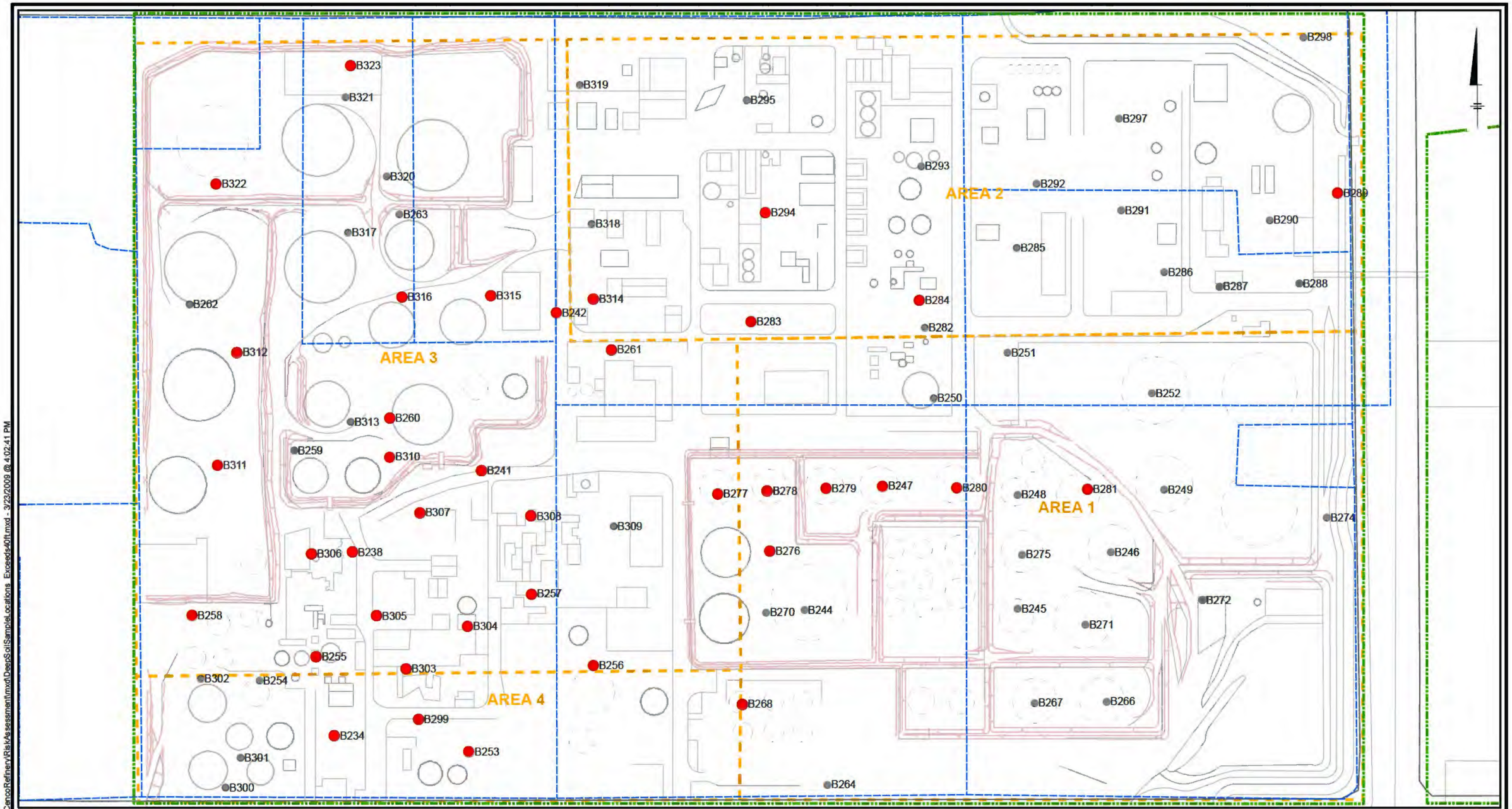
SANTA FE SPRINGS, CALIFORNIA
SUPPLEMENTAL SOIL INVESTIGATION REPORT

DEEP SOIL BORING LOCATIONS - EXCEEDANCES AT 30 FEET BGS

ARCADIS

FIGURE 16

SYR-85 JCR
Isola & Assoc. (54211.6)
Q:\IsolaandAssociates\SantaFeSprings\FormerCencoRefinery\RiskAssessment\mxd\DeepSoilSampleLocations_Exceeds30ft.mxd - 3/23/2009 @ 3:58:24 PM



LEGEND:

DEEP SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) AT A DEPTH OF 40 FEET BELOW GROUND SURFACE FOR ONE OR MORE CONSTITUENTS IN THE FOLLOWING GROUPS: TPH, VOCs, PAHs, METALS, PCBs, OCPs, OR HEXAVALENT CHROMIUM

- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

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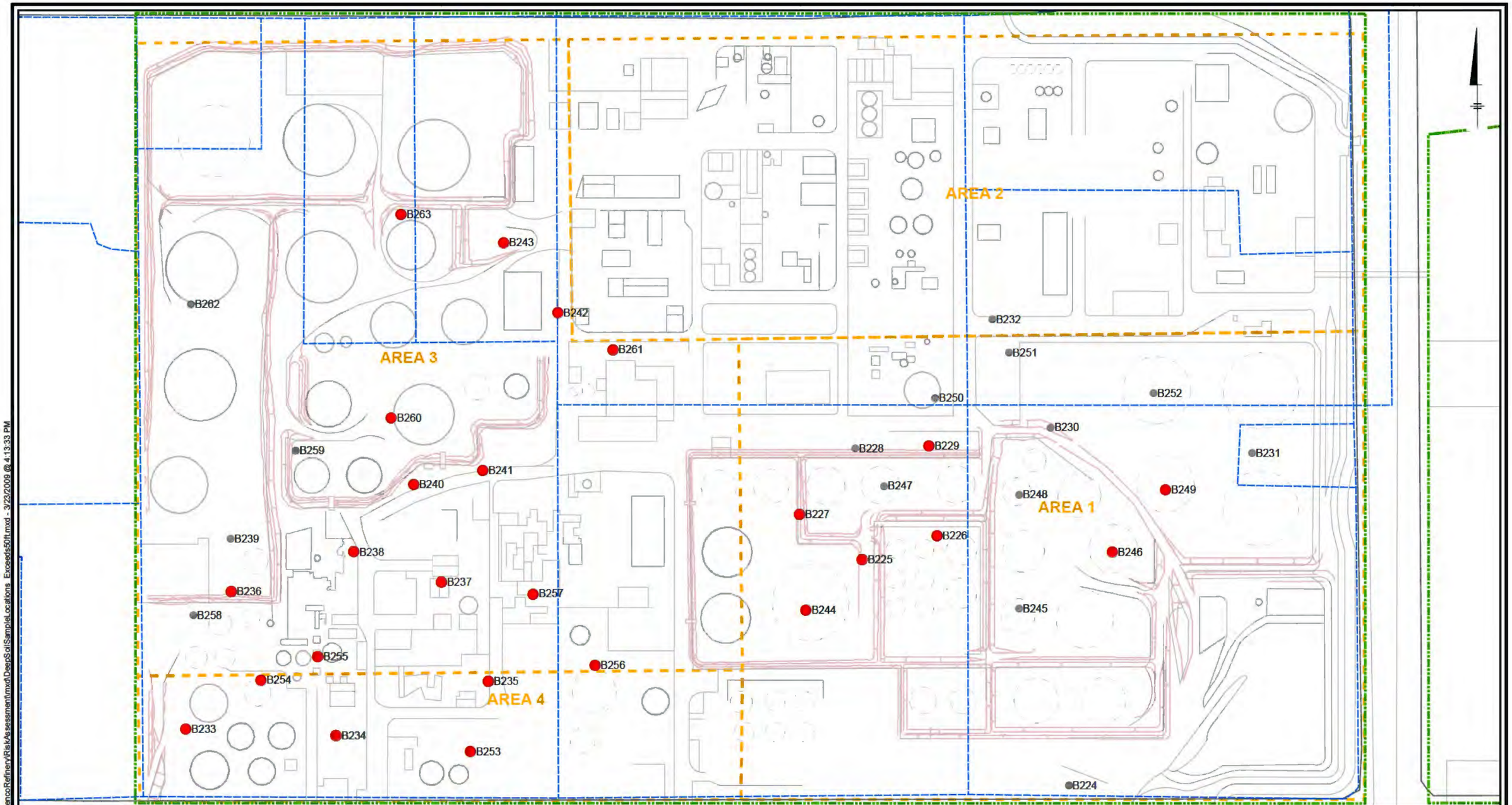
SUPPLEMENTAL SOIL INVESTIGATION REPORT

DEEP SOIL BORING LOCATIONS - EXCEEDANCES AT 40 FEET BGS

ARCADIS

FIGURE 17

SYR-85 JCR
Isola & Assoc. (54211.6)
Q:\IsolaandAssociates\SantaFeSprings\FormerCencoRefinery\Risk\Assessment\mxd\DeepSoilSampleLocations_Exceeds40ft.mxd - 3/23/2009 @ 4:02:41 PM



LEGEND:

DEEP SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) AT A DEPTH OF 50 FEET BELOW GROUND SURFACE FOR ONE OR MORE CONSTITUENTS IN THE FOLLOWING GROUPS: TPH, VOCs, PAHs, METALS, PCBs, OCPs, OR HEXAVALENT CHROMIUM

- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

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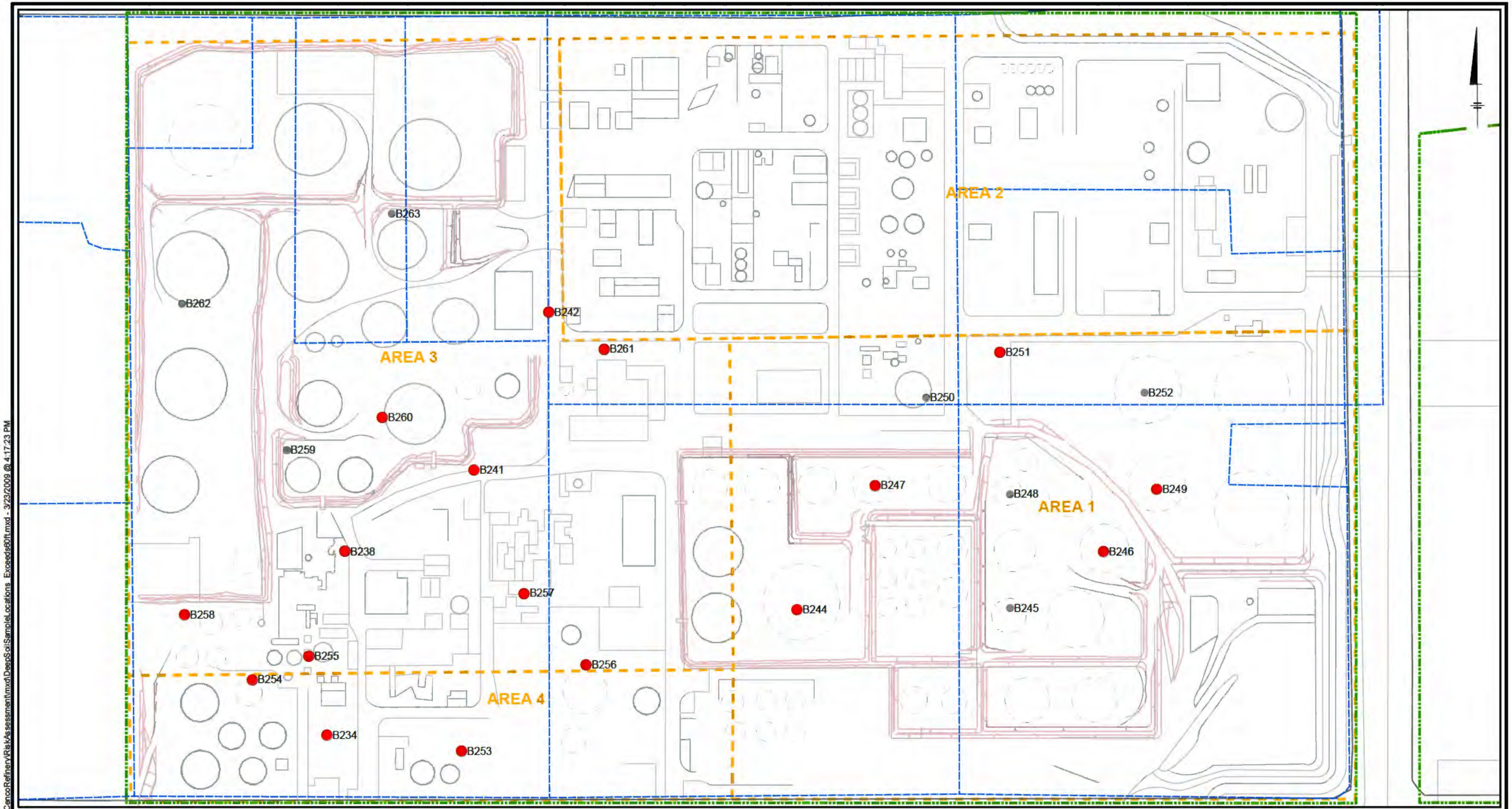
SUPPLEMENTAL SOIL INVESTIGATION REPORT

DEEP SOIL BORING LOCATIONS - EXCEEDANCES AT 50 FEET BGS

ARCADIS

FIGURE 18

SYR-85 JCR
Isola & Assoc. (54211.6)
Q:\IsolaandAssociates\SantaFeSprings\FormerCencoRefinery\Risk\Assessment\mxd\DeepSoilSampleLocations_Exceeds50ft.mxd - 3/23/2009 @ 4:13:33 PM



LEGEND:

DEEP SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) AT A DEPTH OF 60 FEET BELOW GROUND SURFACE FOR ONE OR MORE CONSTITUENTS IN THE FOLLOWING GROUPS: TPH, VOCs, PAHs, METALS, PCBs, OCPs, OR HEXAVALENT CHROMIUM

- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

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SANTA FE SPRINGS, CALIFORNIA

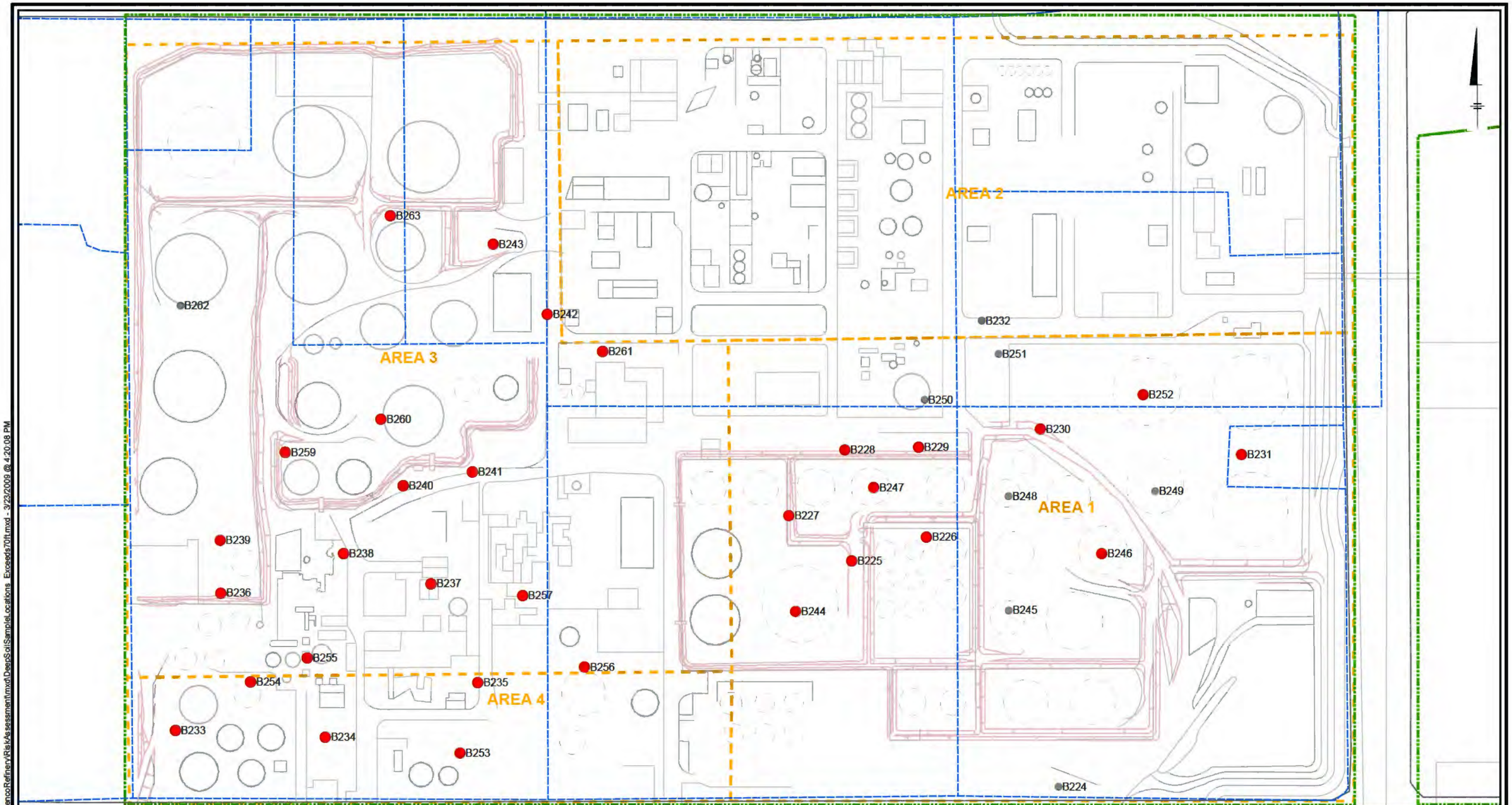
SUPPLEMENTAL SOIL INVESTIGATION REPORT

DEEP SOIL BORING LOCATIONS - EXCEEDANCES AT 60 FEET BGS

ARCADIS

FIGURE 19

SYR-85 JCR
Isola & Assoc. (54211.6)
Q:\IsolaandAssociates\SantaFeSprings\FormerCencoRefinery\RiskAssessment\mxd\DeepSoilSampleLocations_Exceeds60ft.mxd - 3/23/2009 @ 4:17:23 PM



LEGEND:

DEEP SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) AT A DEPTH OF 70 FEET BELOW GROUND SURFACE FOR ONE OR MORE CONSTITUENTS IN THE FOLLOWING GROUPS: TPH, VOCs, PAHs, METALS, PCBs, OCPs, OR HEXAVALENT CHROMIUM

- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

ISOLA LAW GROUP, LLP
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SANTA FE SPRINGS, CALIFORNIA

SUPPLEMENTAL SOIL INVESTIGATION REPORT

DEEP SOIL BORING LOCATIONS - EXCEEDANCES AT 70 FEET BGS

ARCADIS

FIGURE 20

SYR-85 JCR
Isola & Assoc. (54211.6)
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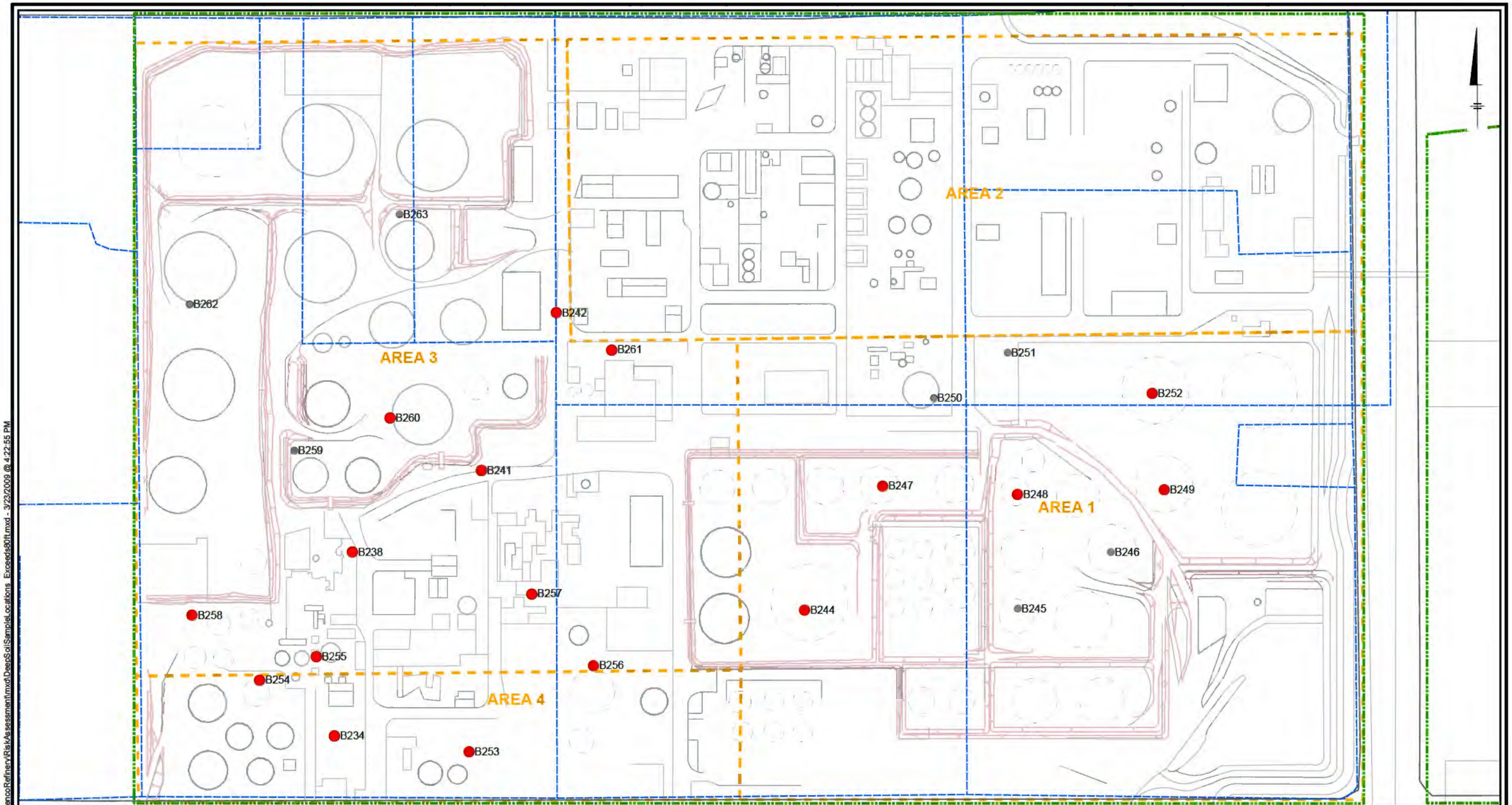

LEGEND:

DEEP SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) AT A DEPTH OF 80 FEET BELOW GROUND SURFACE FOR ONE OR MORE CONSTITUENTS IN THE FOLLOWING GROUPS: TPH, VOCs, PAHs, METALS, PCBs, OCPs, OR HEXAVALENT CHROMIUM

- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

ISOLA LAW GROUP, LLP
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SANTA FE SPRINGS, CALIFORNIA
SUPPLEMENTAL SOIL INVESTIGATION REPORT

DEEP SOIL BORING LOCATIONS - EXCEEDANCES AT 80 FEET BGS

ARCADIS

FIGURE 21

SYR-85 JCR
Isola & Assoc. (54211.6)
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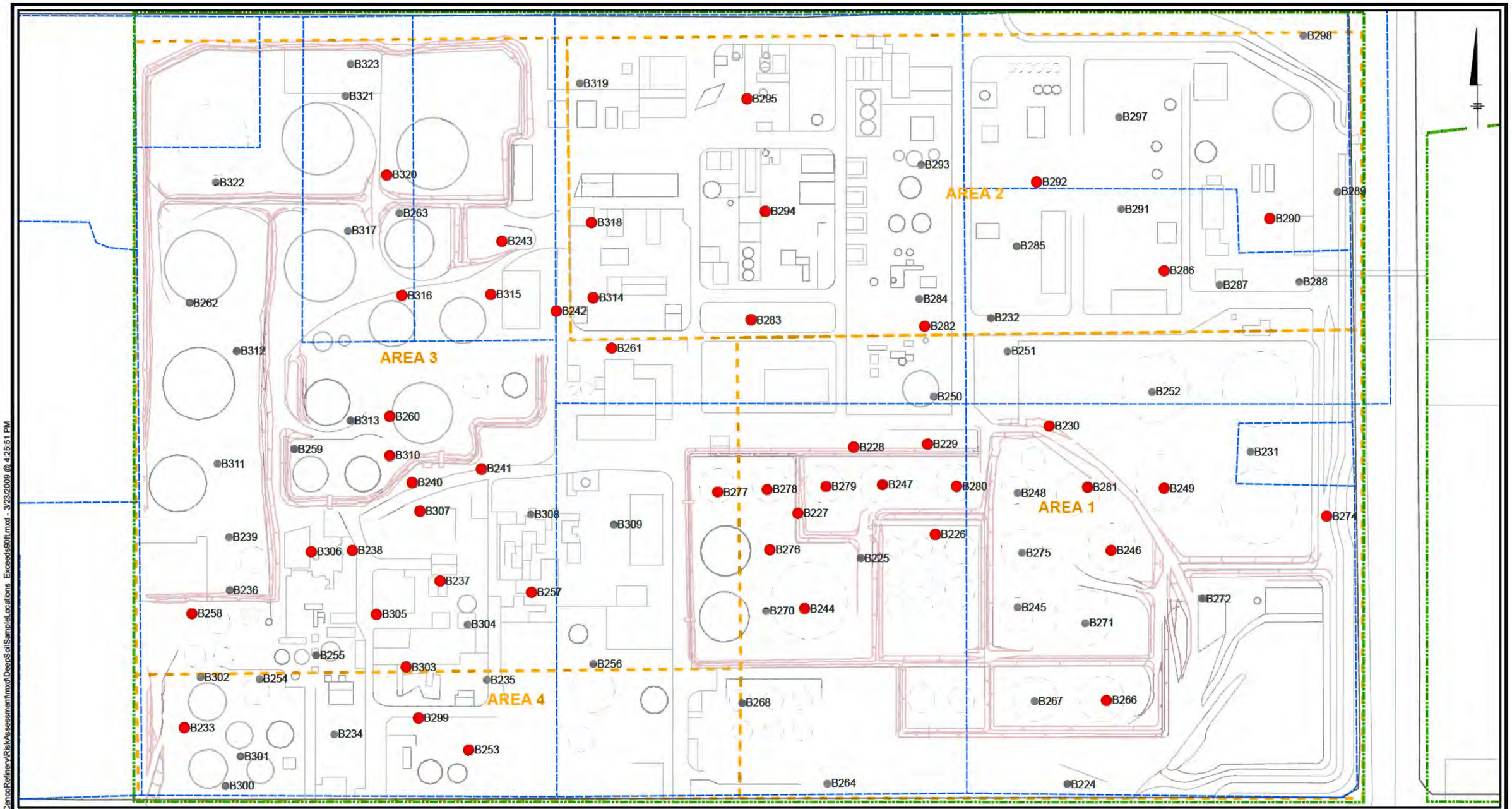

LEGEND:

DEEP SOIL BORING LOCATION:

- NO EXCEEDANCE
- EXCEEDS CLEANUP SCREENING LEVEL (CSL) AT A DEPTH OF 90 FEET BELOW GROUND SURFACE FOR ONE OR MORE CONSTITUENTS IN THE FOLLOWING GROUPS: TPH, VOCs, PAHs, METALS, PCBs, OCPs, OR HEXAVALENT CHROMIUM

- CENCO PROPERTY
- PARCEL DIVISION
- TENTATIVE BOUNDARY OF PLANNED REDEVELOPMENT
- BERM
- EXISTING TANK
- FORMER TANK

0 150 300 Feet

GRAPHIC SCALE

ISOLA LAW GROUP, LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

SUPPLEMENTAL SOIL INVESTIGATION REPORT

DEEP SOIL BORING LOCATIONS - EXCEEDANCES AT 90 FEET BGS

ARCADIS

FIGURE 22

SYR-85 JCR
Isola & Assoc. (54211.6)
Q:\IsolaandAssociates\SantaFeSprings\FormerCencoRefinery\RiskAssessment\mxd\DeepSoilSampleLocations_Exceeds90ft.mxd - 3/23/2009 @ 4:25:51 PM