

April 28, 2015

Mr. Jerry Wickham
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Environmental Protection
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Alameda, CA 94502-5477

Subject: Import Fill Material Information
Public Storage #CA13186
6800 Overlake Place
Newark, California

Introduction

Antea Group is pleased to provide this additional information related to imported fill material proposed to be used at the Public Storage construction site located at 6800 Overlake Place in Newark, California. This information is provided in response to Alameda County Health Care Services Agency correspondence to Public Storage dated February 19, 2015 outlining requirements for the imported soil.

Background

The soil to be imported is currently in-place at the Morris Hymen Critical Care center expansion at Washington Hospital at 2000 Mowry Avenue in Fremont, California. The area this imported soil will be extracted from is part of a series of construction projects at the Washington Hospital.

In preparation for this construction the hospital structure previously atop this soil was demolished and the underlying soil exposed.

A Department of Toxic Substances Control (DTSC) document titled *Information Advisory Clean Imported Fill Material* (DTSC2001) was followed in the testing of the proposed import soil.

The imported soil is proposed for use at a Public Storage construction site at 6800 Overlake Place in Newark.

In a letter from Alameda County Health Care Services Agency to Public Storage dated February 19, 2015 additional information related to this imported soil was requested.

Information Requested on Proposed Import Materials

- 1) A description including maps and/or aerial photos showing the location(s) where the fill came from.
 - a. Import will come from a project called the Morris Hymen Critical Care center expansion at Washington Hospital. The excavation is approximately 370 x 200 x ~20 feet (ft) deep. This excavation project is ongoing and has removed the top 8 ft of the excavation as of 4-22-2015. This proposed import material will come from the 8 ft below ground surface (bgs) level.
 - b. Please see "Project Location.pdf" in the link below for the location and map of the project.
 - c. Please see "Civil Drawings, C.1-C.5.pdf" for the extent of the excavation for the project.
- 2) Background information and/or reports on the fill source

Due to the size of the relevant reports and information for the import soil, please see link below for all available information. Multiple documents referenced below are included in this link.

- a. Historical background information for the borrow site as well as the surrounding properties can be found in the file "ACWD UST Reports Combined.pdf"
 - b. Initial analytical results for the import soil are contained in a *Soil Investigation Report, Washington Hospital, CC/ED Building, Fremont, California* dated October 1, 2013.
 - c. Additional samples were collected by Pacific States Environmental in 2015, "PSEC Environmental Soil Sampling, 3-23-2015."
- 3) The volume of the fill and the volume that each sample represents.
 - a. Total volume at the Morris Hymen project is an estimated 60,000 cubic yards (CY). Since the project has been ongoing, only 35,000 CY remain on site available for import. The site excavation area encompasses approximately 1.70 acres.
 - b. 57 environmental soil samples have been collected in total for the 1.70 acre parcel. On a cubic yard basis it calculates to be 1 sample per 1052.63 CY of total excavation from this single site.
 - i. 46 samples were collected as part of Fugro's soil sampling investigation in 2013. "*Soil Investigation Report, Washington Hospital, CC/ED Building, Fremont, California, Fugro, 10-1-2013.pdf*"
 - ii. 11 samples were collected by Pacific States Environmental in 2015, "*PSEC Environmental Soil Sampling, 3-23-15.pdf*"
- 4) The type of samples - composite or discrete.
 - a. Discrete
- 5) The type of fill and the heterogeneity.
 - a. Homogenous; Sandy Gravel (GW). Medium dense, dark brown, moist, fine to coarse, sub-rounded to sub-angular, fine to coarse grained sand, with silt.
 - b. Additional soils information is also contained in Fugro's *Geotechnical Study and Geologic Hazards Evaluation CC/ED Building, Washington Hospital Fremont, California* dated May, 2005.

- 6) Whether the fill contains any debris or construction material.
 - a. No

- 7) Whether any staining or odor was observed.
 - a. No

- 8) Locations and depths where the imported fill is to be placed on site.
 - a. The imported soil will be placed at a maximum depth of approximately 3 ft bgs in excavated utility corridors, at grade level around the perimeter of the building pad, and at grade level in the northern pond area surrounding the bio-retention pond on the attached figure.

- 9) Laboratory analytical results.
 - i. See the following reports in the link below, specifically:
 - ii. Fugro's *Soil Investigation Report, Washington Hospital, CC/ED Building, Fremont, California* Soil Investigation, Fugro, dated October 1, 2013 and,
 - iii. "PSEC Environmental Soil Sampling dated 3-23-15.pdf"

Tabulated data and figures for these analytical results are included as attachments.

In reviewing the analytical results, it appears one sample from the 2015 sampling (PS-4-6') contained a constituent that exceeded Tier 1 2013 environmental screening levels. This sample reported 100 micrograms per kilogram ($\mu\text{g}/\text{kg}$) of Benzo(a)pyrene with a Tier 1 2013 ESL of 38 $\mu\text{g}/\text{kg}$.


<https://app.box.com/s/2ekmigow1sa91xcj9g8lvp02ht5iznk>

Please contact Andy Lojo at 510-588-8524 or Jan Wagoner at 916-503-1275 if you have any questions on the information provided herein.

Sincerely,



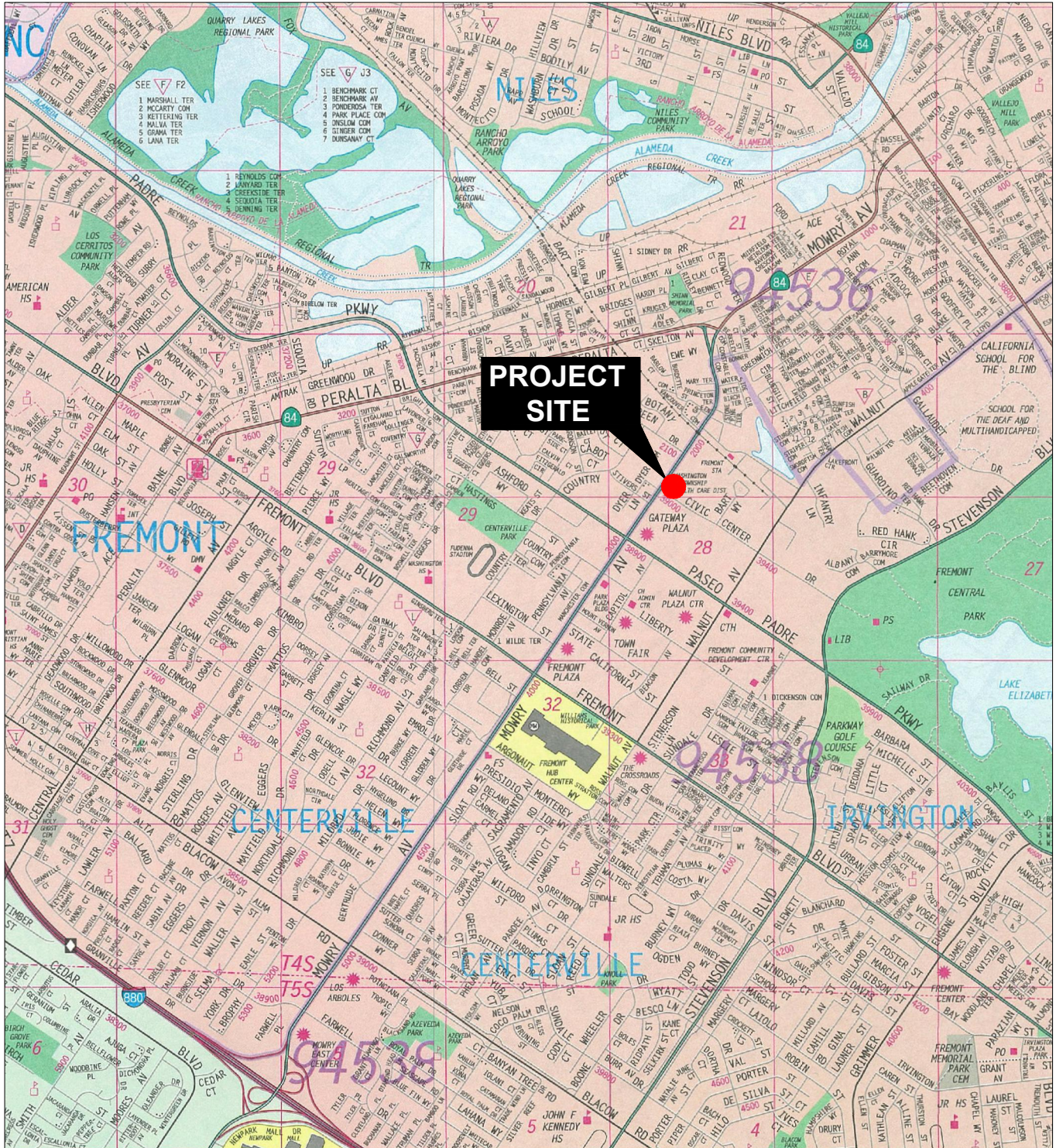
Jan W. Wagoner
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916-503-1275
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Andrew Lojo, PG
Senior Consultant
Antea Group
510-588-8524
Andy.Lojo@anteagroup.com

Attachments:

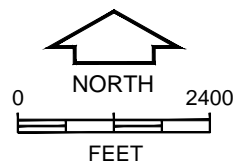
1. Analytical Results and Figure from 2013 Fugro Consultants sampling
2. Analytical Results and Figure from 2015 PSEC sampling
3. Subject Property Layout – 3800 Overlake Place, Newark, CA

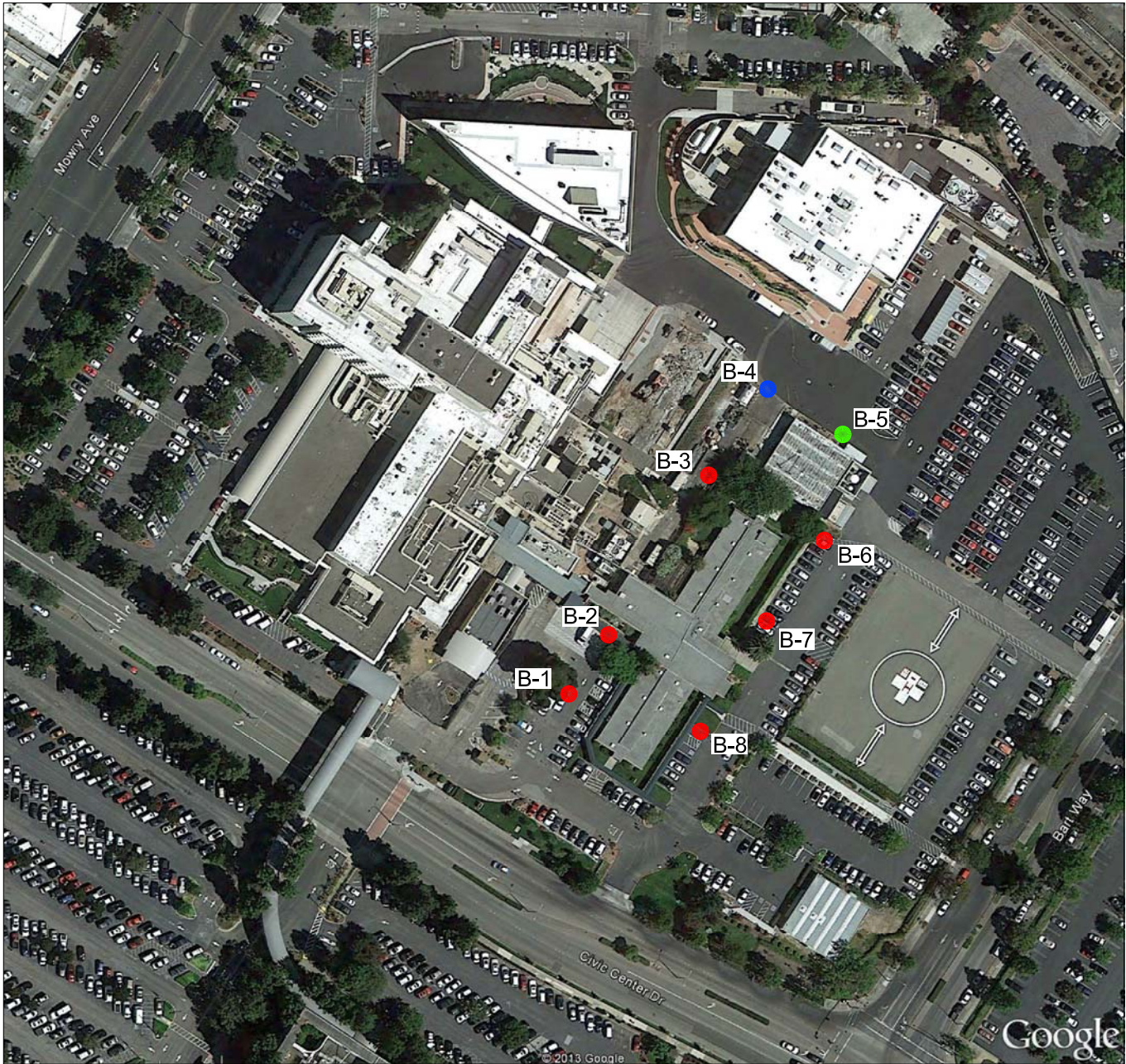


BASE MAP SOURCE: Thomas Guide 2001, Alameda & Contra Costa Counties (p. 752 & 753).

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VICINITY MAP
Washington Hospital
Fremont, California

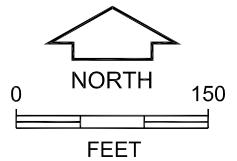




BASE MAP SOURCE: Aerial photograph provided by Google Earth Pro, 2013.

LEGEND

- B-8 Approximate Location of Boring to depth of 30 ft bgs
- B-5 Approximate Location of Boring to depth of 35 ft bgs
- B-4 Approximate Location of Boring to depth of 40 ft bgs



SITE PLAN
Washington Hospital
Fremont, California

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Table 1
Summary of Analytical Results - Soil
Washington Hospital
Fremont, California



| Analyte | Units | SAMPLE ID | | | | | | | | | | | Screening Criteria | | |
|-----------------------------------|-------|------------------|------------------|------------------|-----------------|-----------------|------------------|------------------|------------------|-----------------|-----------------|------------|--------------------|---------------------|--|
| | | B-1@0.5 | B-1@1.5 | B-1@4 | B-1@14 | B-1@28 | B-2@1 | B-2@2 | B-2@7 | B-2@20 | B-2@27 | TTLc | ESLs | | |
| | | 0.5 9/12/2013 | 1.5 9/12/2013 | 4.0 9/12/2013 | 14 9/12/2013 | 28 9/12/2013 | 1.0 9/12/2013 | 2.0 9/12/2013 | 7.0 9/12/2013 | 20 9/12/2013 | 27 9/12/2013 | | Tier 1 | Construction Worker | |
| Hydrocarbons | | | | | | | | | | | | | | | |
| TPHg | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | NE | 100 | 1,800 | |
| TPHd | mg/kg | -- | 4.8 | 12 | 4.2 | 18 | -- | 11 | 5.2 | 21 | 5.5 | NE | 100 | 900 | |
| TPHmo | mg/kg | -- | 7.0 | 20 | 3.7 | 31 | -- | 12 | 5.2 | 47 | 5.2 | NE | 500 | 28,000 | |
| Volatile Organic Compounds | | | | | | | | | | | | | | | |
| Benzene | µg/kg | -- | <5.0 | <5.0 | <5.0 | <5.0 | -- | <5.0 | <5.0 | <5.0 | <5.0 | NE | 44 | 71,000 | |
| Toluene | µg/kg | -- | <5.0 | <5.0 | <5.0 | <5.0 | -- | <5.0 | <5.0 | <5.0 | <5.0 | NE | 2,900 | 4,300,000 | |
| Ethylbenzene | µg/kg | -- | <5.0 | <5.0 | <5.0 | <5.0 | -- | <5.0 | <5.0 | <5.0 | <5.0 | NE | 3,300 | 490,000 | |
| Total Xylenes | µg/kg | -- | <15 | <15 | <15 | <15 | -- | <15 | <15 | <15 | <15 | NE | 2,300 | 2,500,000 | |
| Organochlorine Pesticides | | | | | | | | | | | | | | | |
| DDD | µg/kg | <2.0 | <2.0 | -- | -- | -- | <2.0 | <2.0 | -- | -- | -- | 1,000* | 2,400 | 70,000 | |
| DDE | µg/kg | <2.0 | <2.0 | -- | -- | -- | <2.0 | <2.0 | -- | -- | -- | 1,000* | 1,700 | 50,000 | |
| DDT | µg/kg | 3.0 | <2.0 | -- | -- | -- | <2.0 | <2.0 | -- | -- | -- | 1,000* | 1,700 | 50,000 | |
| alpha-Chlordane | µg/kg | <1.0 | <1.0 | -- | -- | -- | <1.0 | <1.0 | -- | -- | -- | NE | NE | NE | |
| Chlordane | µg/kg | <8.5 | <8.5 | -- | -- | -- | <8.5 | <8.5 | -- | -- | -- | 2,500 | 440 | 12,000 | |
| gamma-Chlordane | µg/kg | <1.0 | <1.0 | -- | -- | -- | <1.0 | <1.0 | -- | -- | -- | NE | NE | NE | |
| Remaining Pesticides | µg/kg | ND | ND | -- | -- | -- | ND | ND | -- | -- | -- | varies | varies | varies | |
| Metals | | | | | | | | | | | | | | | |
| Antimony | mg/kg | -- | <2.0 | <2.0 | <2.0 | <2.0 | -- | <2.0 | <2.0 | <2.0 | <2.0 | 500 | 20 | 120 | |
| Arsenic | mg/kg | -- | 6.1 | 6.2 | 3.9 | 4.3 | -- | 6.1 | 5.7 | 3.3 | 5.4 | 500 | 0.39/11** | 10 | |
| Barium | mg/kg | -- | 180 | 150 | 97 | 79 | -- | 180 | 110 | 53 | 76 | 10,000 | 750 | 61,000 | |
| Beryllium | mg/kg | -- | <1.0 | <1.0 | <1.0 | <0.99 | -- | <0.99 | <1.0 | <1.0 | <1.0 | 75 | 4.0 | 180 | |
| Cadmium | mg/kg | -- | <1.0 | <1.0 | <1.0 | <0.99 | -- | <0.99 | <1.0 | <1.0 | <1.0 | 100 | 12 | 110 | |
| Chromium | mg/kg | -- | 55 | 58 | 43 | 56 | -- | 58 | 49 | 39 | 40 | 2,500# | 750# | 460,000+ | |
| Soluble Chromium (WET) | mg/L | -- | <1.0 | <1.0 | -- | <1.0 | -- | <1.0 | -- | -- | -- | 5.0 (STLC) | NE | NE | |
| Soluble Chromium (TCLP) | mg/L | -- | <0.050 | <0.050 | -- | <0.050 | -- | <0.050 | -- | -- | -- | 5.0 (TCLP) | NE | NE | |
| Cobalt | mg/kg | -- | 11 | 11 | 6.6 | 6.2 | -- | 11 | 10 | 5.1 | 8.1 | 8,000 | 23 | 49 | |
| Copper | mg/kg | -- | 26 | 27 | 18 | 20 | -- | 27 | 23 | 14 | 18 | 2,500 | 230 | 12,000 | |
| Lead | mg/kg | -- | 6.7 | 6.8 | 4.6 | 4.1 | -- | 6.8 | 5.8 | 3.4 | 4.9 | 1,000 | 80 | 320 | |
| Mercury | mg/kg | -- | <0.10 | <0.10 | <0.10 | <0.10 | -- | <0.10 | <0.10 | <0.10 | <0.10 | 20 | 6.7 | 27 | |
| Molybdenum | mg/kg | -- | <1.0 | <1.0 | <1.0 | 2.6 | -- | <0.99 | <1.0 | 3.6 | <1.0 | 3,500 | 40 | 1,500 | |
| Nickel | mg/kg | -- | 69 | 72 | 53 | 48 | -- | 71 | 67 | 37 | 49 | 2,000 | 150 | 6,100 | |
| Selenium | mg/kg | -- | <1.0 | <1.0 | <1.0 | <0.99 | -- | 1.1 | 1.0 | <1.0 | <1.0 | 100 | 10 | 1,500 | |
| Silver | mg/kg | -- | <1.0 | <1.0 | <1.0 | <0.99 | -- | <0.99 | <1.0 | <1.0 | <1.0 | 500 | 20 | 1,500 | |
| Thallium | mg/kg | -- | <1.0 | <1.0 | <1.0 | <0.99 | -- | <0.99 | <1.0 | <1.0 | <1.0 | 700 | 0.78 | 3.1 | |
| Vanadium | mg/kg | -- | 31 | 31 | 25 | 22 | -- | 32 | 26 | 17 | 25 | 2,400 | 200 | 1,500 | |
| Zinc | mg/kg | -- | 44 | 44 | 38 | 42 | -- | 43 | 41 | 32 | 38 | 5,000 | 600 | 93,000 | |

Notes:

TPHg = Total Petroleum Hydrocarbons as gasoline
 TPHd = Total Petroleum Hydrocarbons as diesel
 TPHmo = Total Petroleum Hydrocarbons as motor oil
 mg/kg = Milligrams per kilogram
 µg/kg = Micrograms per kilogram
 mg/L = Milligrams per liter
 < = Not detected at or above laboratory detection limit
 ND = Not Detected
 -- = Not Analyzed
 NE = Not Established
 † = Assumes Chromium III
 # = Total Chromium
 * = Cumulative TTLc threshold of 1,000 µg/kg for DDD, DDE, and DDT

TTLc = Total Threshold Limit Concentration
 STLC = Soluble Threshold Limit Concentration
 TCLP = Toxicity Characteristic Leaching Procedure
 ESL = Environmental Screening Levels, RWQCB Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater -- Revised May 2013. Table K-3: ESL for Direct Exposure Soil Screening Levels Construction/Trench Worker Exposure Scenario
 ** Background Arsenic Concentration in San Francisco Bay Region soils. Master's Thesis "Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region", dated Dec 2008. http://www.waterboards.ca.gov/rwqcb2/water_issues/programs/ESL/2011_Arsenic_Background_Duverte.pdf

Exceeds 10x STLC

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Washington Hospital
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| Analyte | Units | SAMPLE ID | | | | | | | | | | | | | | Screening Criteria | | |
|-----------------------------------|-------|------------------|------------------|------------------|------------------|-----------------|-----------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|------------|--------------------|---------------------|--|
| | | B-3@0.5 | B-3@1.5 | B-3@4 | B-3@9 | B-3@19 | B-3@29 | B-4@1 | B-4@2 | B-4@7 | B-4@12 | B-4@22 | B-4@32 | B-4@39 | TTLc | ESLs | | |
| | | 0.5 9/12/2013 | 1.5 9/12/2013 | 4.0 9/12/2013 | 9.0 9/12/2013 | 19 9/12/2013 | 29 9/12/2013 | 1.0 9/12/2013 | 2.0 9/12/2013 | 7.0 9/12/2013 | 12 9/12/2013 | 22 9/12/2013 | 32 9/12/2013 | 39 9/12/2013 | | Tier 1 | Construction Worker | |
| Hydrocarbons | | | | | | | | | | | | | | | | | | |
| TPHg | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NE | 100 | 1,800 | |
| TPHd | mg/kg | -- | 12 | 2.8 | 5.6 | 5.0 | 4.4 | -- | 11 | 9.3 | 11 | 5.5 | 8.3 | 16 | NE | 100 | 900 | |
| TPHmo | mg/kg | -- | 11 | 3.2 | 5.5 | 5.1 | 4.8 | -- | 13 | 8.1 | 10 | 5.2 | 9.3 | 15 | NE | 500 | 28,000 | |
| Volatile Organic Compounds | | | | | | | | | | | | | | | | | | |
| Benzene | µg/kg | -- | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | -- | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | NE | 44 | 71,000 | |
| Toluene | µg/kg | -- | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | -- | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | NE | 2,900 | 4,300,000 | |
| Ethylbenzene | µg/kg | -- | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | -- | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | NE | 3,300 | 490,000 | |
| Total Xylenes | µg/kg | -- | <15 | <15 | <15 | <15 | <15 | -- | <15 | <15 | <15 | <15 | <15 | <15 | NE | 2,300 | 2,500,000 | |
| Organochlorine Pesticides | | | | | | | | | | | | | | | | | | |
| DDD | µg/kg | 5.8 | <2.0 | -- | -- | -- | -- | <2.0 | <2.0 | -- | -- | -- | -- | -- | 1,000* | 2,400 | 70,000 | |
| DDE | µg/kg | 25 | 5.1 | -- | -- | -- | -- | 19 | 2.9 | -- | -- | -- | -- | -- | 1,000* | 1,700 | 50,000 | |
| DDT | µg/kg | 2.6 | <2.0 | -- | -- | -- | -- | <2.0 | 17 | -- | -- | -- | -- | -- | 1,000* | 1,700 | 50,000 | |
| alpha-Chlordane | µg/kg | <1.0 | <1.0 | -- | -- | -- | -- | <1.0 | <1.0 | -- | -- | -- | -- | -- | NE | NE | NE | |
| Chlordane | µg/kg | <8.5 | <8.5 | -- | -- | -- | -- | <8.5 | <8.5 | -- | -- | -- | -- | -- | 2,500 | 440 | 12,000 | |
| gamma-Chlordane | µg/kg | <1.0 | <1.0 | -- | -- | -- | -- | <1.0 | <1.0 | -- | -- | -- | -- | -- | NE | NE | NE | |
| Remaining Pesticides | µg/kg | ND | ND | -- | -- | -- | -- | ND | ND | -- | -- | -- | -- | -- | varies | varies | varies | |
| Metals | | | | | | | | | | | | | | | | | | |
| Antimony | mg/kg | -- | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | -- | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | 500 | 20 | 120 | |
| Arsenic | mg/kg | -- | 6.5 | 6.3 | 5.5 | 4.2 | 3.5 | -- | 6.1 | 5.5 | 4.5 | 3.8 | 4.5 | 6.1 | 500 | 0.39/11** | 10 | |
| Barium | mg/kg | -- | 170 | 230 | 110 | 78 | 110 | -- | 150 | 120 | 120 | 54 | 59 | 67 | 10,000 | 750 | 61,000 | |
| Beryllium | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 75 | 4.0 | 180 | |
| Cadmium | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 100 | 12 | 110 | |
| Chromium | mg/kg | -- | 60 | 61 | 56 | 43 | 35 | -- | 54 | 52 | 40 | 50 | 67 | 29 | 2,500# | 750# | 460,000+ | |
| Soluble Chromium (WET) | mg/L | -- | <1.0 | <1.0 | <1.0 | -- | -- | -- | <1.0 | <1.0 | -- | <1.0 | <1.0 | -- | 5.0 (STLC) | NE | NE | |
| Soluble Chromium (TCLP) | mg/L | -- | <0.050 | <0.050 | <0.050 | -- | -- | -- | <0.050 | <0.050 | -- | <0.050 | <0.050 | -- | 5.0 (TCLP) | NE | NE | |
| Cobalt | mg/kg | -- | 12 | 12 | 10 | 7.5 | 6.7 | -- | 11 | 10 | 8.2 | 6.2 | 9.7 | 4.9 | 8,000 | 23 | 49 | |
| Copper | mg/kg | -- | 28 | 28 | 23 | 16 | 19 | -- | 26 | 22 | 22 | 15 | 19 | 15 | 2,500 | 230 | 12,000 | |
| Lead | mg/kg | -- | 7.4 | 7.0 | 5.8 | 4.0 | 3.7 | -- | 6.7 | 5.8 | 4.8 | 3.7 | 4.0 | 4.6 | 1,000 | 80 | 320 | |
| Mercury | mg/kg | -- | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | -- | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | 20 | 6.7 | 27 | |
| Molybdenum | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3,500 | 40 | 1,500 | |
| Nickel | mg/kg | -- | 76 | 75 | 74 | 56 | 54 | -- | 70 | 70 | 53 | 47 | 96 | 33 | 2,000 | 150 | 6,100 | |
| Selenium | mg/kg | -- | 1.0 | 1.1 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 100 | 10 | 1,500 | |
| Silver | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 500 | 20 | 1,500 | |
| Thallium | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 700 | 0.78 | 3.1 | |
| Vanadium | mg/kg | -- | 33 | 32 | 27 | 23 | 19 | -- | 30 | 27 | 22 | 20 | 23 | 33 | 2,400 | 200 | 1,500 | |
| Zinc | mg/kg | -- | 48 | 46 | 44 | 36 | 32 | -- | 43 | 43 | 36 | 31 | 35 | 40 | 5,000 | 600 | 93,000 | |

Notes:
 TPHg = Total Petroleum Hydrocarbons as gasoline
 TPHd = Total Petroleum Hydrocarbons as diesel
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 mg/kg = Milligrams per kilogram
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 < = Not detected at or above laboratory detection limit
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 † = Assumes Chromium III
 # = Total Chromium
 * = Cumulative TTLc threshold of 1,000 µg/kg for DDD, DDE, and DDT

TTLc = Total Threshold Limit Concentration
 STLC = Soluble Threshold Limit Concentration
 TCLP = Toxicity Characteristic Leaching Procedure
 ESL = Environmental Screening Levels, RWQCB Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater -- Revised May 2013. Table K-3: ESL for Direct Exposure Soil Screening Levels Construction/Trench Worker Exposure Scenario
 ** Background Arsenic Concentration in San Francisco Bay Region soils. Master's Thesis "Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region", dated December 2011.
http://www.waterboards.ca.gov/rwqcb2/water_issues/programs/ESL/2011_Arsenic_Background_Duverge.pdf

Exceeds 10x STLC

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| Analyte | Units | SAMPLE ID | | | | | | | | | | | Screening Criteria | | | |
|-----------------------------------|-------|------------------|------------------|------------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|--------------------|-----------------|--------------------|-----------|---------------------|-------|
| | | B-5@0.5 | B-5@1.5 | B-5@4 | B-5@14 | B-5@24 | B-5@34 | B-6@1 | B-6@2 | B-6@7 | B-6@16-20 | B-6@27 | TTLc | ESLs | | |
| | | 0.5 9/12/2013 | 1.5 9/12/2013 | 4.0 9/12/2013 | 14 9/12/2013 | 24 9/12/2013 | 34 9/12/2013 | 1.0 9/13/2013 | 2.0 9/13/2013 | 7.0 9/13/2013 | 16-20 9/13/2013 | 27 9/13/2013 | | Tier 1 | Construction Worker | |
| Hydrocarbons | | | | | | | | | | | | | | | | |
| TPHg | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NE | 100 | 1,800 |
| TPHd | mg/kg | -- | 8.9 | 4.7 | 3.4 | 5.0 | 3.9 | -- | 7.3 | 5.5 | 25 | 5.2 | NE | 100 | 900 | |
| TPHmo | mg/kg | -- | 12 | 4.1 | 3.6 | 5.5 | 4.3 | -- | 18 | 5.1 | 50 | 5.0 | NE | 500 | 28,000 | |
| Volatile Organic Compounds | | | | | | | | | | | | | | | | |
| Benzene | µg/kg | -- | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | -- | <5.0 | <5.0 | <5.0 | <5.0 | NE | 44 | 71,000 | |
| Toluene | µg/kg | -- | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | -- | <5.0 | <5.0 | <5.0 | <5.0 | NE | 2,900 | 4,300,000 | |
| Ethylbenzene | µg/kg | -- | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | -- | <5.0 | <5.0 | <5.0 | <5.0 | NE | 3,300 | 490,000 | |
| Total Xylenes | µg/kg | -- | <15 | <15 | <15 | <15 | <15 | -- | <15 | <15 | <15 | <15 | NE | 2,300 | 2,500,000 | |
| Organochlorine Pesticides | | | | | | | | | | | | | | | | |
| DDD | µg/kg | <2.0 | <2.0 | -- | -- | -- | -- | <2.0 | 25 | -- | -- | -- | 1,000* | 2,400 | 70,000 | |
| DDE | µg/kg | 13 | 6.2 | -- | -- | -- | -- | <2.0 | 150 | -- | -- | -- | 1,000* | 1,700 | 50,000 | |
| DDT | µg/kg | <2.0 | <2.0 | -- | -- | -- | -- | <2.0 | 2.3 | -- | -- | -- | 1,000* | 1,700 | 50,000 | |
| alpha-Chlordane | µg/kg | 5.1 | <1.0 | -- | -- | -- | -- | <1.0 | <1.0 | -- | -- | -- | NE | NE | NE | |
| Chlordane | µg/kg | 88 | <8.5 | -- | -- | -- | -- | <8.5 | <8.5 | -- | -- | -- | 2,500 | 440 | 12,000 | |
| gamma-Chlordane | µg/kg | 8.9 | <1.0 | -- | -- | -- | -- | <1.0 | <1.0 | -- | -- | -- | NE | NE | NE | |
| Remaining Pesticides | µg/kg | ND | ND | -- | -- | -- | -- | ND | ND | -- | -- | -- | varies | varies | varies | |
| Metals | | | | | | | | | | | | | | | | |
| Antimony | mg/kg | -- | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | -- | <2.0 | <2.0 | <2.0 | <2.0 | 500 | 20 | 120 | |
| Arsenic | mg/kg | -- | 6.1 | 5.8 | 4.8 | 2.2 | 4.7 | -- | 6.2 | 6.4 | 3.2 | 4.2 | 500 | 0.39/11** | 10 | |
| Barium | mg/kg | -- | 180 | 110 | 79 | 51 | 52 | -- | 130 | 110 | 70 | 58 | 10,000 | 750 | 61,000 | |
| Beryllium | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 75 | 4.0 | 180 | |
| Cadmium | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 100 | 12 | 110 | |
| Chromium | mg/kg | -- | 55 | 49 | 52 | 17 | 24 | -- | 54 | 54 | 34 | 75 | 2,500# | 750# | 460,000+ | |
| Soluble Chromium (WET) | mg/L | -- | <1.0 | -- | <1.0 | -- | -- | -- | <1.0 | <1.0 | -- | <1.0 | 5.0 (STLC) | NE | NE | |
| Soluble Chromium (TCLP) | mg/L | -- | 0.053 | -- | <0.050 | -- | -- | -- | <0.050 | <0.050 | -- | <0.050 | 5.0 (TCLP) | NE | NE | |
| Cobalt | mg/kg | -- | 11 | 10 | 7.9 | 4.6 | 5.8 | -- | 12 | 11 | 5.3 | 7.3 | 8,000 | 23 | 49 | |
| Copper | mg/kg | -- | 26 | 23 | 16 | 14 | 18 | -- | 30 | 26 | 15 | 19 | 2,500 | 230 | 12,000 | |
| Lead | mg/kg | -- | 7.1 | 6.1 | 4.3 | 2.7 | 3.7 | -- | 12 | 6.6 | 3.6 | 4.9 | 1,000 | 80 | 320 | |
| Mercury | mg/kg | -- | <0.10 | <0.10 | <0.10 | <0.10 | <0.10 | -- | <0.10 | <0.10 | <0.10 | <0.10 | 20 | 6.7 | 27 | |
| Molybdenum | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | 1.7 | <1.0 | 3,500 | 40 | 1,500 | |
| Nickel | mg/kg | -- | 69 | 67 | 56 | 29 | 43 | -- | 63 | 70 | 39 | 61 | 2,000 | 150 | 6,100 | |
| Selenium | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 100 | 10 | 1,500 | |
| Silver | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 500 | 20 | 1,500 | |
| Thallium | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 700 | 0.78 | 3.1 | |
| Vanadium | mg/kg | -- | 31 | 27 | 25 | 14 | 21 | -- | 42 | 31 | 20 | 23 | 2,400 | 200 | 1,500 | |
| Zinc | mg/kg | -- | 44 | 41 | 37 | 24 | 31 | -- | 52 | 45 | 31 | 37 | 5,000 | 600 | 93,000 | |

Notes:

TPHg = Total Petroleum Hydrocarbons as gasoline
 TPHd = Total Petroleum Hydrocarbons as diesel
 TPHmo = Total Petroleum Hydrocarbons as motor oil
 mg/kg = Milligrams per kilogram
 µg/kg = Micrograms per kilogram
 mg/L = Milligrams per liter
 < = Not detected at or above laboratory detection limit
 ND = Not Detected
 -- = Not Analyzed
 NE = Not Established
 † = Assumes Chromium III
 # = Total Chromium
 * = Cumulative TTLc threshold of 1,000 µg/kg for DDD, DDE, and DDT

TTLc = Total Threshold Limit Concentration
 STLC = Soluble Threshold Limit Concentration
 TCLP = Toxicity Characteristic Leaching Procedure
 ESL = Environmental Screening Levels, RWQCB Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater -- Revised May 2013. Table K-3: ESL for Direct Exposure Soil Screening Levels Construction/Trench Worker Exposure Scenario
 ** Background Arsenic Concentration in San Francisco Bay Region soils. Master's Thesis "Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region", dated December 2011.
http://www.waterboards.ca.gov/rwqcb2/water_issues/programs/ESL/2011_Arsenic_Background_Duverge.pdf

Exceeds 10x STLC

Table 1
Summary of Analytical Results - Soil
Washington Hospital
Fremont, California



| Analyte | Units | SAMPLE ID | | | | | | | | | | | | Screening Criteria | | |
|-----------------------------------|-------|-----------|------------|-------------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|--------------------|-----------|---------------------|
| | | B-7@0.5 | B-7@1.5 | B-7@4 | B-7@9 | B-7@19 | B-7@24 | B-7@29 | B-8@1 | B-8@2 | B-8@7 | B-8@12 | B-8@22 | TTLc | ESLs | |
| | | 0.5 | 1.5 | 4.0 | 9.0 | 19 | 24 | 29 | 1.0 | 2.0 | 7.0 | 12 | 22 | | Tier 1 | Construction Worker |
| Sample Depth | feet | 9/13/2013 | 9/13/2013 | 9/13/2013 | 9/13/2013 | 9/13/2013 | 9/13/2013 | 9/13/2013 | 9/13/2013 | 9/13/2013 | 9/13/2013 | 9/13/2013 | 9/13/2013 | | | |
| Hydrocarbons | | | | | | | | | | | | | | | | |
| TPHg | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | <1.0 | <1.0 | <1.0 | <1.0 | NE | 100 | 1,800 |
| TPHd | mg/kg | -- | 8.3 | 3.8 | 5.5 | 3.9 | 4.5 | 5.1 | -- | 4.5 | 3.5 | 7.4 | 4.6 | NE | 100 | 900 |
| TPHmo | mg/kg | -- | 7.1 | 3.8 | 5.0 | 3.9 | 4.3 | 6.1 | -- | 4.7 | 3.3 | 6.7 | 4.9 | NE | 500 | 28,000 |
| Volatile Organic Compounds | | | | | | | | | | | | | | | | |
| Benzene | µg/kg | -- | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | -- | <5.0 | <5.0 | <5.0 | <5.0 | NE | 44 | 71,000 |
| Toluene | µg/kg | -- | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | -- | <5.0 | <5.0 | <5.0 | <5.0 | NE | 2,900 | 4,300,000 |
| Ethylbenzene | µg/kg | -- | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | -- | <5.0 | <5.0 | <5.0 | <5.0 | NE | 3,300 | 490,000 |
| Total Xylenes | µg/kg | -- | <15 | <15 | <15 | <15 | <15 | <15 | -- | <15 | <15 | <15 | <15 | NE | 2,300 | 2,500,000 |
| Organochlorine Pesticides | | | | | | | | | | | | | | | | |
| DDD | µg/kg | <2.0 | <2.0 | -- | -- | -- | -- | -- | <2.0 | <2.0 | -- | -- | -- | 1,000* | 2,400 | 70,000 |
| DDE | µg/kg | <2.0 | <2.0 | -- | -- | -- | -- | -- | 15 | <2.0 | -- | -- | -- | 1,000* | 1,700 | 50,000 |
| DDT | µg/kg | <2.0 | <2.0 | -- | -- | -- | -- | -- | 12 | <2.0 | -- | -- | -- | 1,000* | 1,700 | 50,000 |
| alpha-Chlordane | µg/kg | <1.0 | <1.0 | -- | -- | -- | -- | -- | <1.0 | <1.0 | -- | -- | -- | NE | NE | NE |
| Chlordane | µg/kg | <8.5 | <8.5 | -- | -- | -- | -- | -- | <8.5 | <8.5 | -- | -- | -- | 2,500 | 440 | 12,000 |
| gamma-Chlordane | µg/kg | <1.0 | <1.0 | -- | -- | -- | -- | -- | <1.0 | <1.0 | -- | -- | -- | NE | NE | NE |
| Remaining Pesticides | µg/kg | ND | ND | -- | -- | -- | -- | -- | ND | ND | -- | -- | -- | NE | varies | varies |
| Metals | | | | | | | | | | | | | | | | |
| Antimony | mg/kg | -- | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | -- | <2.0 | <2.0 | <2.0 | <2.0 | 500 | 20 | 120 |
| Arsenic | mg/kg | -- | 6.4 | 6.0 | 5.9 | 3.5 | 4.3 | 4.5 | -- | 6.2 | 6.1 | 5.4 | 4.6 | 500 | 0.39/11** | 10 |
| Barium | mg/kg | -- | 160 | 190 | 95 | 92 | 67 | 56 | -- | 170 | 150 | 110 | 94 | 10,000 | 750 | 61,000 |
| Beryllium | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.99 | -- | <0.99 | <1.0 | <1.0 | <1.0 | 75 | 4.0 | 180 |
| Cadmium | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.99 | -- | <0.99 | <1.0 | <1.0 | <1.0 | 100 | 12 | 110 |
| Chromium | mg/kg | -- | 59 | 55 | 49 | 40 | 37 | 41 | -- | 57 | 58 | 53 | 42 | 2,500# | 750# | 460,000† |
| Soluble Chromium (WET) | mg/L | -- | <1.0 | <1.0 | -- | -- | -- | -- | -- | <1.0 | <1.0 | <1.0 | -- | 5.0 (STLC) | NE | NE |
| Soluble Chromium (TCLP) | mg/L | -- | <0.050 | <0.050 | -- | -- | -- | -- | -- | <0.050 | <0.050 | <0.050 | -- | 5.0 (TCLP) | NE | NE |
| Cobalt | mg/kg | -- | 12 | 11 | 9.7 | 4.3 | 6.4 | 7.2 | -- | 12 | 12 | 9.3 | 6.3 | 8,000 | 23 | 49 |
| Copper | mg/kg | -- | 27 | 25 | 22 | 12 | 15 | 19 | -- | 28 | 27 | 20 | 18 | 2,500 | 230 | 12,000 |
| Lead | mg/kg | -- | 7.1 | 6.8 | 5.7 | 2.1 | 4.3 | 4.5 | -- | 7.1 | 6.8 | 5.3 | 4.5 | 1,000 | 80 | 320 |
| Mercury | mg/kg | -- | <0.10 | 0.29 | <0.10 | <0.10 | <0.10 | <0.10 | -- | <0.10 | <0.10 | <0.10 | <0.10 | 20 | 6.7 | 27 |
| Molybdenum | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.99 | -- | <0.99 | <1.0 | <1.0 | 3.8 | 3,500 | 40 | 1,500 |
| Nickel | mg/kg | -- | 75 | 69 | 64 | 32 | 52 | 59 | -- | 74 | 77 | 68 | 48 | 2,000 | 150 | 6,100 |
| Selenium | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.99 | -- | <0.99 | <1.0 | <1.0 | <1.0 | 100 | 10 | 1,500 |
| Silver | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.99 | -- | <0.99 | <1.0 | <1.0 | <1.0 | 500 | 20 | 1,500 |
| Thallium | mg/kg | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.99 | -- | <0.99 | <1.0 | <1.0 | <1.0 | 700 | 0.78 | 3.1 |
| Vanadium | mg/kg | -- | 32 | 30 | 27 | 41 | 19 | 20 | -- | 31 | 30 | 26 | 22 | 2,400 | 200 | 1,500 |
| Zinc | mg/kg | -- | 44 | 41 | 42 | 28 | 29 | 34 | -- | 45 | 47 | 42 | 35 | 5,000 | 600 | 93,000 |

Notes:

TPHg = Total Petroleum Hydrocarbons as gasoline
 TPHd = Total Petroleum Hydrocarbons as diesel
 TPHmo = Total Petroleum Hydrocarbons as motor oil
 mg/kg = Milligrams per kilogram
 µg/kg = Micrograms per kilogram
 mg/L = Milligrams per liter
 < = Not detected at or above laboratory detection limit
 ND = Not Detected
 -- = Not Analyzed
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 † = Assumes Chromium III
 # = Total Chromium
 * = Cumulative TTLc threshold of 1,000 µg/kg for DDD, DDE, and DDT

TTLc = Total Threshold Limit Concentration

STLC = Soluble Threshold Limit Concentration

TCLP = Toxicity Characteristic Leaching Procedure

ESL = Environmental Screening Levels, RWQCB Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater --

Revised May 2013. Table K-3: ESL for Direct Exposure Soil Screening Levels Construction/Trench Worker Exposure Scenario

** Background Arsenic Concentration in San Francisco Bay Region soils. Master's Thesis "Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region", dated December 2011.

http://www.waterboards.ca.gov/rwqcb2/water_issues/programs/ESL/2011_Arsenic_Background_Duverge.pdf

Exceeds 10x STLC



PS-4-1' ● -Sample ID, Approximate Depth & Sample Location

--- -Approximate Excavation Area

Approx. 55,000cy

Sample Map
3/23/15
PS-1 - PS-4

Fremont, Washington Hospital

Image by: Google Earth

Map by: Bryan Brasesco

Pacific States
ENVIRONMENTAL CONTRACTORS, INC.

Soil Sample Data Summary

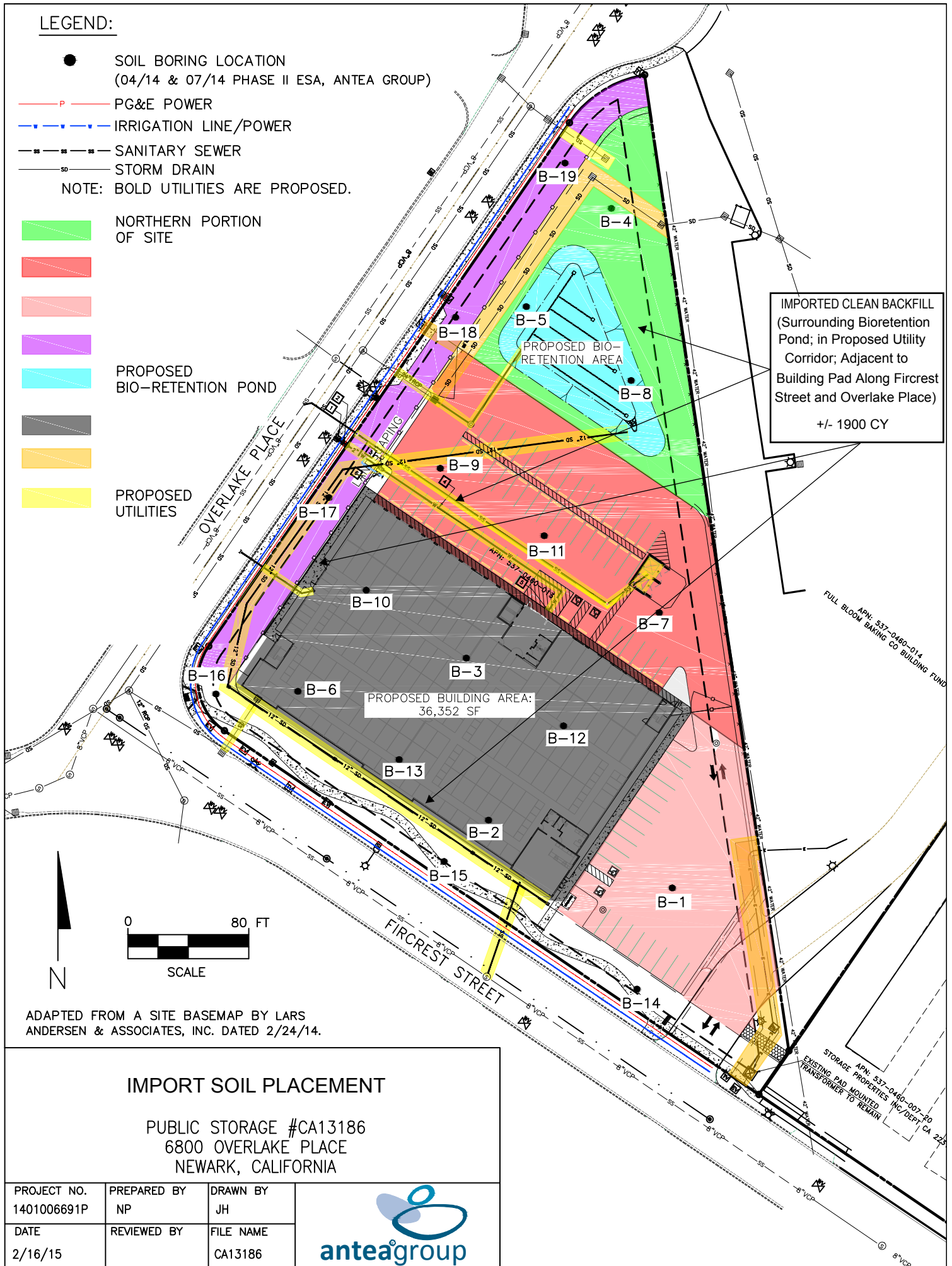
4/22/2015

| Project Location / Name | | | Fremont, Washington Hospital | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-----------------|------------------------|------------------------------|-----|---------|------|----------|------|---------|-----|---------|-----|----------|------|---------|------|---------|------|----------|-----|---------|------|---------|-----|
| Sample Date | | | 3/23/2015 | | | | | | | | | | | | | | | | | | | | | |
| Sample ID/Location | | | PS-1-2' | | PS-1-5' | | PS-1-10' | | PS-2-1' | | PS-2-8' | | PS-2-12' | | PS-3-2' | | PS-3-8' | | PS-3-15' | | PS-4-2' | | PS-4-6' | |
| | Tier 1 2013 ESL | Landfill STLC Triggers | Value | RL | Value | RL | Value | RL | Value | RL | Value | RL | Value | RL | Value | RL | Value | RL | Value | RL | Value | RL | Value | RL |
| SVOC's (8270C) | ug/kg | ug/kg | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | |
| Acenaphthene | 16000 | -- | ND | 5 | | | ND | 4.9 | ND | 4.9 | ND | 5 | | | ND | 5 | | | ND | 5 | ND | 4.9 | ND | 4.9 |
| Acenaphthylene | 13000 | -- | ND | 5 | | | ND | 4.9 | ND | 4.9 | ND | 5 | | | 12 | 5 | | | ND | 5 | ND | 4.9 | ND | 4.9 |
| Anthracene | 2800 | -- | ND | 5 | | | ND | 4.9 | ND | 4.9 | ND | 5 | | | 7.2 | 5 | | | ND | 5 | ND | 4.9 | 7.3 | 4.9 |
| Benzo[a]anthracene | 380 | -- | ND | 5 | | | ND | 4.9 | ND | 4.9 | ND | 5 | | | 21 | 5 | | | ND | 5 | ND | 4.9 | 72 | 4.9 |
| Benzo[a]pyrene | 38 | -- | ND | 5 | | | ND | 4.9 | ND | 4.9 | ND | 5 | | | 24 | 5 | | | ND | 5 | ND | 4.9 | 100 | 4.9 |
| Benzo[b]fluoranthene | 380 | -- | ND | 5 | | | ND | 4.9 | ND | 4.9 | ND | 5 | | | 31 | 5 | | | ND | 5 | 6 | 4.9 | 140 | 4.9 |
| Benzo[g,h,i]perylene | 27000 | -- | ND | 5 | | | ND | 4.9 | ND | 4.9 | ND | 5 | | | 16 | 5 | | | ND | 5 | ND | 4.9 | 110 | 4.9 |
| Benzo[k]fluoranthene | 380 | -- | ND | 5 | | | ND | 4.9 | ND | 4.9 | ND | 5 | | | 11 | 5 | | | ND | 5 | ND | 4.9 | 56 | 4.9 |
| Chrysene | 3800 | -- | ND | 5 | | | ND | 4.9 | ND | 4.9 | ND | 5 | | | 38 | 5 | | | ND | 5 | ND | 4.9 | 95 | 4.9 |
| Dibenz(a,h)anthracene | 110 | -- | ND | 5 | | | ND | 4.9 | ND | 4.9 | ND | 5 | | | ND | 5 | | | ND | 5 | ND | 4.9 | 28 | 4.9 |
| Fluoranthene | 40000 | -- | ND | 5 | | | ND | 4.9 | ND | 4.9 | ND | 5 | | | 47 | 5 | | | ND | 5 | ND | 4.9 | 97 | 4.9 |
| Fluorene | 8900 | -- | ND | 5 | | | ND | 4.9 | ND | 4.9 | ND | 5 | | | ND | 5 | | | ND | 5 | ND | 4.9 | ND | 4.9 |
| Indeno[1,2,3-cd]pyrene | 380 | -- | ND | 5 | | | ND | 4.9 | ND | 4.9 | ND | 5 | | | 12 | 5 | | | ND | 5 | ND | 4.9 | 93 | 4.9 |
| Naphthalene | 1200 | -- | ND | 9.1 | | | ND | 9.9 | ND | 10 | ND | 9.2 | | | ND | 9.7 | | | ND | 9.6 | ND | 9.6 | ND | 10 |
| Phenanthrene | 11000 | -- | ND | 5 | | | ND | 4.9 | ND | 4.9 | ND | 5 | | | 32 | 5 | | | ND | 5 | ND | 4.9 | 36 | 4.9 |
| Pyrene | 85000 | -- | ND | 5 | | | ND | 4.9 | ND | 4.9 | ND | 5 | | | 86 | 5 | | | ND | 5 | ND | 4.9 | 110 | 4.9 |
| | -- | -- | | | | | | | | | | | | | | | | | | | | | | |
| VOC's (8260B) | ug/kg | ug/kg | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | |
| VOC Total Remaining | -- | -- | | | | | | | | | | | | | | | | | | | | | | |
| Acetone | 500 | 500 | ND | 46 | | | ND | 49 | ND | 50 | ND | 46 | | | ND | 48 | | | ND | 48 | ND | 48 | ND | 50 |
| Chlorobenzene | 1500 | 1500 | ND | 4.6 | | | ND | 4.9 | ND | 5 | ND | 4.6 | | | ND | 4.8 | | | ND | 4.8 | ND | 4.8 | ND | 5 |
| Chloroethane | 1100 | 850 | ND | 9.1 | | | ND | 9.9 | ND | 10 | ND | 9.2 | | | ND | 9.7 | | | ND | 9.6 | ND | 9.6 | ND | 10 |
| Chloromethane | 20000 | 6400 | ND | 9.1 | | | ND | 9.9 | ND | 10 | ND | 9.2 | | | ND | 9.7 | | | ND | 9.6 | ND | 9.6 | ND | 10 |
| Dibromoethane, 1,2- | 0.33 | 0.33 | | | | | | | | | | | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | 1100 | 1100 | ND | 4.6 | | | ND | 4.9 | ND | 5 | ND | 4.6 | | | ND | 4.8 | | | ND | 4.8 | ND | 4.8 | ND | 5 |
| 1,4-Dichlorobenzene | 590 | 590 | ND | 4.6 | | | ND | 4.9 | ND | 5 | ND | 4.6 | | | ND | 4.8 | | | ND | 4.8 | ND | 4.8 | ND | 5 |
| 1,1-Dichloroethane | 200 | 200 | ND | 4.6 | | | ND | 4.9 | ND | 5 | ND | 4.6 | | | ND | 4.8 | | | ND | 4.8 | ND | 4.8 | ND | 5 |
| cis-1,2-Dichloroethene | 190 | 190 | ND | 4.6 | | | ND | 4.9 | ND | 5 | ND | 4.6 | | | ND | 4.8 | | | ND | 4.8 | ND | 4.8 | ND | 5 |
| trans-1,2-Dichloroethene | 670 | 670 | ND | 4.6 | | | ND | 4.9 | ND | 5 | ND | 4.6 | | | ND | 4.8 | | | ND | 4.8 | ND | 4.8 | ND | 5 |
| Ethylbenzene | 3300 | 3300 | ND | 4.6 | | | ND | 4.9 | ND | 5 | ND | 4.6 | | | ND | 4.8 | | | ND | 4.8 | ND | 4.8 | ND | 5 |
| Methylene Chloride | 77 | 77 | ND | 9.1 | | | ND | 9.9 | ND | 10 | ND | 9.2 | | | ND | 9.7 | | | ND | 9.6 | ND | 9.6 | ND | 10 |
| Methyl ethyl ketone | 4500 | 3900 | | | | | | | | | | | | | | | | | | | | | | |
| Methyl tert-butyl ether | 23 | 23 | ND | 4.6 | | | ND | 4.9 | ND | 5 | ND | 4.6 | | | ND | 4.8 | | | ND | 4.8 | ND | 4.8 | ND | 5 |
| 1,1,1,2-Tetrachloroethane | 9.1 | 24 | ND | 4.6 | | | ND | 4.9 | ND | 5 | ND | 4.6 | | | ND | 4.8 | | | ND | 4.8 | ND | 4.8 | ND | 5 |
| 1,1,2,2-Tetrachloroethane | 18 | 18 | ND | 4.6 | | | ND | 4.9 | ND | 5 | ND | 4.6 | | | ND | 4.8 | | | ND | 4.8 | ND | 4.8 | ND | 5 |
| Tetrachloroethene | 550 | 700 | ND | 4.6 | | | ND | 4.9 | ND | 5 | ND | 4.6 | | | ND | 4.8 | | | ND | 4.8 | ND | 4.8 | ND | 5 |
| Trichloroethene | 460 | 460 | ND | 4.6 | | | ND | 4.9 | ND | 5 | ND | 4.6 | | | ND | 4.8 | | | ND | 4.8 | ND | 4.8 | ND | 5 |
| Vinyl chloride | 32 | 85 | ND | 4.6 | | | ND | 4.9 | ND | 5 | ND | 4.6 | | | ND | 4.8 | | | ND | 4.8 | ND | 4.8 | ND | 5 |
| Xylenes, Total | 2300 | 2300 | ND | 9.1 | | | ND | 9.9 | ND | 10 | ND | 9.2 | | | ND | 9.7 | | | ND | 9.6 | ND | 9.6 | ND | 10 |
| | -- | -- | | | | | | | | | | | | | | | | | | | | | | |
| PCB's (8082) | ug/kg | ug/kg | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | | ug/kg | |
| PCB-1016 | 220 | 50000 | ND | 49 | | | ND | 49 | ND | 50 | ND | 49 | | | ND | 49 | | | ND | 49 | ND | 48 | ND | 48 |
| PCB-1221 | 220 | 50000 | ND | 49 | | | ND | 49 | ND | 50 | ND | 49 | | | ND | 49 | | | ND | 49 | ND | 48 | ND | 48 |
| PCB-1232 | 220 | 50000 | ND | 49 | | | ND | 49 | ND | 50 | ND | 49 | | | ND | 49 | | | ND | 49 | ND | 48 | ND | 48 |
| PCB-1242 | 220 | 50000 | ND | 49 | | | ND | 49 | ND | 50 | ND | 49 | | | ND | 49 | | | ND | 49 | ND | 48 | ND | 48 |
| PCB-1248 | 220 | 50000 | ND | 49 | | | ND | 49 | ND | 50 | ND | 49 | | | ND | 49 | | | ND | 49 | ND | 48 | ND | 48 |
| PCB-1254 | 220 | 50000 | ND | 49 | | | ND | 49 | ND | 50 | ND | 49 | | | ND | 49 | | | ND | 49 | ND | 48 | ND | 48 |
| PCB-1260 | 220 | 50000 | ND | 49 | | | ND | 49 | ND | 50 | ND | 49 | | | ND | 49 | | | ND | 49 | ND | 48 | ND | 48 |
| Asbestos (TEM) | % | % | % | | % | | % | | % | | % | | % | | % | | % | | % | | % | | % | |
| Asbestos % | -- | 1 | | | ND | 0.25 | ND | 0.25 | | | | | ND | 0.25 | ND | 0.25 | ND | 0.25 | | | ND | 0.25 | | |

LEGEND:

- SOIL BORING LOCATION
(04/14 & 07/14 PHASE II ESA, ANTEA GROUP)
- P — PG&E POWER
- - - IRRIGATION LINE/POWER
- - - SANITARY SEWER
- - - STORM DRAIN
- NOTE: BOLD UTILITIES ARE PROPOSED.

- NORTHERN PORTION OF SITE
-
-
-
- PROPOSED BIO-RETENTION POND
-
- PROPOSED UTILITIES



IMPORTED CLEAN BACKFILL
(Surrounding Bioretention
Pond; in Proposed Utility
Corridor; Adjacent to
Building Pad Along Fircrest
Street and Overlake Place)
+/- 1900 CY

PROPOSED BUILDING AREA:
36,352 SF

APN: 537-0460-014
FULL BLOOM BAKING CO BUILDING FUND

APN: 537-0460-007-PD
EXISTING PAD MOUNTED
TRANSFORMER TO REMAIN
STORAGE PAD PROPERTIES
INC/DEPT CA 225

IMPORT SOIL PLACEMENT

PUBLIC STORAGE #CA13186
6800 OVERLAKE PLACE
NEWARK, CALIFORNIA

| | | |
|----------------------------|-------------------|----------------------|
| PROJECT NO. 1401006691P | PREPARED BY NP | DRAWN BY JH |
| DATE 2/16/15 | REVIEWED BY | FILE NAME CA13186 |

