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February 5, 2008

Mr. Steven Plunkett
Hazardous Materials Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

SUBJECT: SITE CHARACTERIZATION REPORT

SITE: ALAMEDA FEDERAL CENTER
BUILDING #4
620 CENTRAL AVENUE
ALAMEDA, CALIFORNIA
SLIC CASE NUMBER 2903
GLOBAL ID NUMBER SL0600100090

Dear Mr. Plunkett:

On behalf of General Services Administration (GSA), Jonas and Associates is contracted by Analytical Planning Services, Inc., (APSI) to upload the attached report into the Geotracker and the Alameda County Environmental Health Services ftp site. Attached please find the site characterization report, documenting the grab groundwater sampling and analysis from the former location of a suspect hydraulic lift and a sump at the Motor Pool Building #4, 620 Central Avenue, Alameda, California.

In Early 2007, after demolishing Building #4 and performing soil excavation, it was determined that no such hydraulic lifts or sump existed at this building. Based on information obtained from the GSA management onsite in late 2007, the lift, which existed in Building #4, was actually a pneumatic (air actuated), aboveground lift.

APSI recommended the following:

- No further action at Building #4.
- To close the SLIC case for GSA site related to Building#4.

Thank you for your cooperation and assistance on this project. If you have any questions, please call Christopher Wade at 408-250-4828 or Sami Malaeb at (925) 374-0020.

Sincerely,
Jonas and Associates

Sami Malaeb, P.E., R.E.A.



SITE CHARACTERIZATION REPORT

AT

**ALAMEDA FEDERAL CENTER
620 CENTRAL AVENUE
BUILDING #4
ALAMEDA, CA 94501**

PREPARED FOR

**U.S. GENERAL SERVICES ADMINISTRATION
AND
ALAMEDA COUNTY ENVIRONMENTAL HEALTH DEPARTMENT**

JANUARY 2008

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- B** 2003 JONAS' INVESTIGATION ANALYTICAL RESULTS
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- D** DRILLING PERMIT
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1.0 INTRODUCTION

On behalf of the U.S. General Services Administration (GSA), Analytical Planning Services, Inc., (APSI) and Vironex Environmental Services (Vironex), a drilling company, advanced four direct-push borings and performed groundwater sampling and analysis at the Alameda Federal Center, former Building #4, 620 Central Avenue, Alameda, California. A spills, leaks, investigations, and cleanups (SLIC) case is currently open with the Alameda County Environmental Health Division (ACEH) for the former Motor Pool Building #4.

The objective of the drilling and sampling was to determine the presence or absence of petroleum hydrocarbons, solvents, and metals in the shallow water at the former location of the suspect hydraulic lifts and sump. In Early 2007, after demolishing Building #4 and performing soil excavation, it was determined that no such hydraulic lifts or sump existed at this building. Based on information obtained from the GSA management onsite in late 2007, the lift, which existed in Building #4, was actually a pneumatic (air actuated), aboveground lift.

2.0 SITE DESCRIPTION

The Alameda Federal Center is 7.5 acres in size and is developed with a campus of 18 buildings, landscaping, and asphalt parking. The subject property is owned and operated by GSA. The buildings onsite are one and two-level wood framed structures. The Alameda Federal Center has a mixed-use function of offices, storage space, and a USDA food-testing laboratory. The subject site, Building #4, was a motor pool, wooden framed building, used by GSA for car maintenance and repair. Figure 1 is a site location and Figure 2 depicts the location of the building onsite. Building #4 was demolished in early 2007. The present location of the former building is a vacant unpaved land.

The site elevation is approximately 10 feet above mean sea level with depth to groundwater between 5 to 10 feet below surface grade or shallower in certain areas of the site. The Phase I Assessment, Kleinfelder¹, 2002, mentioned that the site is underlain by fill deposits. Based on the same Phase I Assessment report, the groundwater flow direction in the area of the site is towards the southern to southeastern directions, towards the San Francisco Bay. The nearest surface water is the San Francisco Bay, located less than ¼ mile to the south of the site.

The Alameda Federal Center is surrounded by mixed, residential/commercial properties. The surrounding use of the properties is as follows:

- To the north, the site is bordering multi-family residential properties;
- To the east, there exists single-family residential, followed by a park;
- To the south, the area is occupied by offices, followed by the San Francisco Bay water; and
- To the west, the area is occupied by multi-family residential dwellings.

3.0 ENVIRONMENTAL BACKGROUND

1994-1996, Underground Storage Tank Removal and Case Closure: According to a Phase I Environmental Site Assessment, Kleinfelder¹ 2002, two sets of underground storage tanks (USTs) were removed from the Alameda Service Center between 1994 and 1996. One set (Tanks 1 and 2) were located near Building 4, at the southern portion of the site. Tank 1 (1,000 gallons) appeared to have originally contained (speculated to be gasoline), and then after, used oil. Tank 2 (5000 gallons) previously contained gasoline. A dispenser was located near Tank 1. These tanks were removed in January 1994. Tanks 3 and 4 (10,000 gallons each) were located in the northwestern portion of the site, near Building 8, and were originally closed in place (reportedly) prior to the 1950s, by filling each with sand. Both are reported to have contained fuel oil to serve nearby boilers. These tanks were removed in December 1996.

Following a subsurface investigation and groundwater monitoring in the area surrounding the former USTs, The Alameda County Environmental Health Department granted GSA a UST case closure (Attachment A).

2002, Phase I Environmental Site Assessment: In November 2002, Kleinfelder conducted a Phase I Environmental Site Assessment (ESA) at the Alameda Federal Center. Among the findings of Kleinfelder is the following regarding Building #4:

“Building 4 is equipped with an in-ground hydraulic lift that is no longer in use. The building is currently a furniture and office supplies storage area. According to the property manager, the hydraulic lift was installed in the 1960s and has not been used since 1983. Although no environmental incidents were observed during the site visit or have been reported in agency records reviewed, based on the likelihood heavy metals, hydraulic oil, and possibly solvents were used in the area of the hydraulic lift, there exists a concern that impacted soil may be present in this area of the site.

Kleinfelder recommended addressing the possible impacted soil issue with the City of Alameda Fire Department and ACEH at the time when formal closure of the hydraulic lift is addressed by the owners of the subject property.”

In Early 2007, after demolishing Building #4, soil excavation, and based on information obtained from the GSA management onsite, it was determined that no such hydraulic lifts or sump existed at this building. The lift, which existed in Building #4, was actually a pneumatic (air actuated), aboveground lift.

2003, Site Characterization: The recommendations by Kleinfelder in the Phase I ESA formed the basis for soil and groundwater sampling performed by Jonas & Associates, Inc. (J&A) on March 10, 2003.

“The March 10, 2003 sampling event included two (2) Geoprobe borings adjacent to the hydraulic lift and two (2) Geoprobe borings adjacent to the subsurface sump/tank, apparently associated with the hydraulic lift. All four (4) Geoprobe borings extended to 15 feet below ground surface (bgs), with soil samples collected at 2.5', 5', 10', and 15' bgs. Samples were composited and analyzed for Total Extractable Petroleum

Hydrocarbons as Hydraulic Oil (TEPH-HO), Volatile Organic Compounds (VOCs), and CAM 17 Metals. Composite soil samples with detected petroleum analytes were analyzed as discrete samples. Two (2) groundwater samples were collected and analyzed for the same constituents as soil". Figure 3 shows the location of the borings drilled (SB1, SB2, SB3, and SB4) and where the samples were collected. Attachment B contains a summary of the analytical results for the soil and groundwater from Jonas' site characterization. The conclusions of the 2003 Jonas' site characterization were as follows:

1. Composite soil samples collected adjacent to the hydraulic lift did not have detectable concentrations of Total Extractable Petroleum Hydrocarbons as Hydraulic Oil (TEPH-HO).
2. A soil sample (SB4-2.5') collected adjacent to the hydraulic system tank/sump had a detectable concentration of 190 mg/Kg.
3. Composite soil sample collected from 10' and 15' of depth adjacent to the hydraulic system sump/tank did not have a detectable concentration of TEPH-HO.
4. No VOCs were detected in any of the borehole composite soil samples.
5. The CAM 17 metal concentrations detected in soil were below the Final Environmental Screening Levels (ESLs)³, except Arsenic, Chromium, and Vanadium were slightly above the ESLs. However these metals (Arsenic, Chromium, and Vanadium) were below the average background levels encountered in California Soils⁴ (Table C in Attachment B).
6. Geoprobe groundwater sample SB1-GW, collected adjacent to the hydraulic lift, did not have detectable concentrations of TEPH-HO.
7. Geoprobe groundwater sample SB3-GW, collected adjacent to the hydraulic system tank/sump, had a concentration of 2.6 mg/L TEPH-HO. If this is a concentration of concern, further characterization of the groundwater may be necessary.
8. No VOCs were detected in the two (2) Geoprobe boring groundwater samples.

Following are the Jonas' recommendations associated with the March 10, 2003 soil and groundwater sampling report:

1. The underground sump/tank and any significant hydraulic oil found in soil should eventually be removed. Since the hydraulic system sump/tank straddles a wall of the building, the removal of the sump/tank could occur if and when the building is eventually demolished.
2. If the finding of 2.6 mg/L TEPH-HO with a Geoprobe is of concern, further characterization of the groundwater may be necessary.
3. Sampling results should be presented to the appropriate regulatory agency. Discussions with the regulatory agency will help to determine if and when the hydraulic system sump/tank and contaminated soil should be removed and if further characterization of the groundwater is necessary.

4.0 2007 FURTHER SITE CHARACTERIZATION

The recommendations of the March 10, 2003 soil and groundwater sampling event, stated the following "if the finding of 2.6 mg/L TEPH-HO with a Geoprobe is of concern, further characterization of the groundwater may be necessary."

In response to the recommendations stated in Jonas April 2, 2003 report, GSA contracted APSI and Vironex to drill a total of four hydropunch borings and collect confirmatory groundwater samples. The objective of the groundwater sampling and analysis was to confirm or deny the existence of any significant hydraulic oil, volatile organics, or metals in the shallow groundwater. These borings were advanced in the same locations or within 5 feet from the previous borings drilled by Jonas in 2003. That is, hydropunch borings AFC 1, AFC 2, AFC 3, and AFC 4, advanced in 2007, correspond to the same locations of borings SB1, SB2, SB3, and SB4, drilled in 2003, respectively.

The laboratory analytical report and chain of custody for the groundwater sampling are presented in Attachment C.

Personnel: Christopher Wade, CCM of APSI, Tom Fletcher of GSA, and Vironex Personnel were present during drilling.

Drilling Co: Vironex Environmental Services, C57# 705 927

Drilling Permit No.: W2007-0881 (Attachment D)

Drilling Date: August 22, 2007

Number of Borings: Advanced four direct-push hydropunch borings (AFC 1, AFC 2, AFC-3, and AFC-4), Figure 4.

Boring Depth: Approximately 15 feet below surface grade.

Depth to Water: Groundwater was encountered between 8 and 14 feet below surface grade.

Sample Technique: Vironex advanced all four 2-inch cores, using a Geoprobe 6600 direct push sampling rig. Grab groundwater samples were collected from all four borings (AFC 1, AFC 2, AFC 3, and AFC 4) at first encountered groundwater. Groundwater samples were transferred into preserved VOAs and amber jars. All samples were labeled, placed on blue ice in an ice chest, and delivered to Test America Laboratory, in Pleasanton, California (a California Certified Laboratory) under a chain-of-custody.

Laboratory Analysis: The groundwater samples were analyzed for the following:

- Volatile Organics by US EPA Method 8260
- Total Extractable Petroleum Hydrocarbons (C19-C36) by using EPA Method 8015B.
- CAM 17 Metals by using US EPA Method 6010 B.

5.0 RESULTS

2003 SOIL AND GROUNDWATER ANALYTICAL RESULTS

The March 10, 2003 drilling and sampling by Jonas and Associates resulted in the following (Attachment B):

- No VOCs were detected in any of the borehole composite soil samples, collected in March 2003.
- The CAM 17 metal concentrations detected in soil were below the Final Environmental Screening Levels (ESLs)³, except Arsenic, Chromium, and Vanadium were slightly above the ESLs. However these metals (Arsenic, Chromium, and Vanadium) were below the average background levels encountered in California Soils⁴ (Table C in Attachment B).
- Maximum concentration of TEPH-HO in soil was 190 mg/kg.
- No VOCs were detected in the two (2) Geoprobe boring groundwater samples.
- Geoprobe groundwater sample SB3-GW, collected adjacent to the hydraulic system tank/sump, had a concentration of 2.6 mg/L TEPH-HO.

2007 Groundwater Analytical Results

The analytical results are summarized in the attached Tables 1, 2, and 3.

- TEPH concentrations detected were below 500 ug/l in the four (4) Geoprobe boring groundwater samples (Table 1).
- No VOCs were detected in the four (4) Geoprobe boring groundwater samples (Table 2).
- Metal concentrations in groundwater were below the final Environmental Screening Levels (ESLs)³ for groundwater that is a current or potential drinking water resource, except the detection limits for Beryllium and Thallium were slightly above the ESLs. Beryllium and Thallium concentrations were below the laboratory detection limit of 0.005 mg/l. The ESLs for Beryllium and Thallium were 0.004 mg/l and 0.002 mg/l respectively (Table 3).

6.0 CONCLUSIONS AND RECOMMENDATIONS

- Following the recommendations of a Phase I Environmental Site Assessment, conducted by Kleinfelder in 2002, two rounds of soil and groundwater sampling were performed at the Motor Pool Building#4, at the Alameda Federal Center. The first round of sampling was conducted in March 2003 by Jonas and Associates and included four Geoprobe borings with soil and groundwater sampling. The second round of sampling was conducted by APSI and Vironex in August 2007, and included four confirmatory hydropunch borings and sampling of groundwater. The sample collection was concentrated near a suspect former hydraulic lift and sump. The analysis included Volatile Organics (VOCs), CAM 17 metals, and Total Extractable Petroleum Hydrocarbons.
- No VOCs were detected in the soil and groundwater samples.
- The metal concentrations in soil and groundwater were either below the final ESL³ or within the range of naturally-occurring typical background concentrations.
- TEPH concentrations detected were below 500 ug/l in the four (4) Geoprobe boring groundwater samples.
- In Early 2007, after demolishing Building #4 and performing soil excavation, it was determined that no such hydraulic lifts or sump existed at this building. Based on information obtained from the GSA management onsite in late 2007, the lift, which existed in Building #4, was actually a pneumatic (air actuated), aboveground lift.

Based on the above conclusions and analytical findings to date, APSI recommends the following:

- No further action at Building #4.
- To close the SLIC case for GSA site related to Building #4.

Thank you for your cooperation. If you have any questions, please call Christopher Wade CCM, of APSI at 408-250-4828 or myself at 949-679-0202.

Sincerely,



Jay Losak, P.E., CCM
Vice President
Analytical Planning Services, Inc.
8885 Research Drive
Irvine, Ca. 92618



References:

1. November 2004, Kleinfelder, Inc., Phase I Environmental Assessment Report, Alameda Service Center, 620 Central Avenue, Alameda, California
2. April 2003, Jonas and Associates, Site Characterization Report, Building 4, Alameda Federal Center, 620 Central Avenue, Alameda, California
3. November 2007- California Regional Water Quality Control Board, San Francisco, Bay Region, "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater."
4. March 1996, Kearny Foundation of Soil Science Division of Agriculture and Natural Resources, University of California.

TABLES

Table 1
AUGUST 22, 2007 TEPH GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Methods 8015B)
{ug/L}

Sample I.D.	Sampling Date	Matrix	Lab	TEPH
AFC 1	8/22/2007	Water	Test America	ND <500
AFC 2	8/22/2007	Water	Test America	ND <500
AFC 3	8/22/2007	Water	Test America	ND <500
AFC 4	8/22/2007	Water	Test America	ND <500

notes:
 TEPH: Total Extractable Petroleum Hydrocarbons
 ND = Not detected above the reporting limit.

Table 2
VOLATILE ORGANIC COMPOUNDS
AUGUST 22, 2007 GROUNDWATER RESULTS
Building 4
Alameda Federal Center
(EPA Method 8260B)
{ug/L}

Sample I.D.	Sampling Date	Matrix	Lab	Methyl tert-butyl ether	Acetone	Benzene	Dichlorobromomethane	Bromobenzene	Chlorobromomethane	Bromoform	Bromomethane	Methyl Ethyl Ketone
AFC 1	8/22/2007	Water	Test America	ND (5.0)	ND (50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (50)
AFC 2	8/22/2007	Water	Test America	ND (5.0)	ND (50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (50)
AFC 3	8/22/2007	Water	Test America	ND (5.0)	ND (50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (50)
AFC 4	8/22/2007	Water	Test America	ND (5.0)	ND (50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (50)

notes:
STL-SF: Severn Trent Services - San Francisco
ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table 2
VOLATILE ORGANIC COMPOUNDS
AUGUST 22, 2007 GROUNDWATER RESULTS
Building 4
Alameda Federal Center
(EPA Method 8260B)
{ug/L}

Sample I.D.	Sampling Date	Matrix	Lab	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane
AFC 1	8/22/2007	Water	Test America	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (0.50)	ND (0.50)	ND (1.0)	ND (1.0)	ND (1.0)
AFC 2	8/22/2007	Water	Test America	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (0.50)	ND (0.50)	ND (1.0)	ND (1.0)	ND (1.0)
AFC 3	8/22/2007	Water	Test America	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (0.50)	ND (0.50)	ND (1.0)	ND (1.0)	ND (1.0)
AFC 4	8/22/2007	Water	Test America	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)	ND (0.50)	ND (0.50)	ND (1.0)	ND (1.0)	ND (1.0)

notes:
STL-SF: Severn Trent Services - San Francisco
ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table 2
VOLATILE ORGANIC COMPOUNDS
AUGUST 22, 2007 GROUNDWATER RESULTS
Building 4
Alameda Federal Center
(EPA Method 8260B)
{ug/L}

Sample I.D.	Sampling Date	Matrix	Lab	2-Chlorotoluene	4-Chlorotoluene	Chlorodibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,3-Dichloropropane	1,1-Dichloropropene	1,2-Dibromo-3-Chloropropane
AFC 1	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (1.0)
AFC 2	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (1.0)
AFC 3	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (1.0)
AFC 4	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (1.0)

notes:
STL-SF: Severn Trent Services - San Francisco
ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table 2
VOLATILE ORGANIC COMPOUNDS
AUGUST 22, 2007 GROUNDWATER RESULTS
Building 4
Alameda Federal Center
(EPA Method 8260B)
{ug/L}

Sample I.D.	Sampling Date	Matrix	Lab	Ethylene Dibromide	Dibromomethane	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene
AFC 1	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.050)	ND (0.50)	ND (0.50)
AFC 2	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.050)	ND (0.50)	ND (0.50)
AFC 3	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.050)	ND (0.50)	ND (0.50)
AFC 4	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.050)	ND (0.50)	ND (0.50)

notes:
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Table 2
VOLATILE ORGANIC COMPOUNDS
AUGUST 22, 2007 GROUNDWATER RESULTS
Building 4
Alameda Federal Center
(EPA Method 8260B)
{ug/L}

Sample I.D.	Sampling Date	Matrix	Lab	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene	Methylene Chloride
AFC 1	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (50)	ND (0.50)	ND (1.0)	ND (5.0)
AFC 2	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (50)	ND (0.50)	ND (1.0)	ND (5.0)
AFC 3	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (50)	ND (0.50)	ND (1.0)	ND (5.0)
AFC 4	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (50)	ND (0.50)	ND (1.0)	ND (5.0)

notes:
STL-SF: Severn Trent Services - San Francisco
ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table 2
VOLATILE ORGANIC COMPOUNDS
AUGUST 22, 2007 GROUNDWATER RESULTS
Building 4
Alameda Federal Center
(EPA Method 8260B)
{ug/L}

Sample I.D.	Sampling Date	Matrix	Lab	4-Methyl-2-pentanone (MIBK)	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene
AFC 1	8/22/2007	Water	Test America	ND (50)	ND (1.0)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (1.0)
AFC 2	8/22/2007	Water	Test America	ND (50)	ND (1.0)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (1.0)
AFC 3	8/22/2007	Water	Test America	ND (50)	ND (1.0)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (1.0)
AFC 4	8/22/2007	Water	Test America	ND (50)	ND (1.0)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (1.0)

notes:
STL-SF: Severn Trent Services - San Francisco
ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table 2
VOLATILE ORGANIC COMPOUNDS
AUGUST 22, 2007 GROUNDWATER RESULTS
Building 4
Alameda Federal Center
(EPA Method 8260B)
{ug/L}

Sample I.D.	Sampling Date	Matrix	Lab	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl Acetate	Vinyl Chloride
AFC 1	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (50)	ND (0.50)
AFC 2	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (50)	ND (0.50)
AFC 3	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (50)	ND (0.50)
AFC 4	8/22/2007	Water	Test America	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (50)	ND (0.50)

notes:
STL-SF: Severn Trent Services - San Francisco
ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table 2
VOLATILE ORGANIC COMPOUNDS
AUGUST 22, 2007 GROUNDWATER RESULTS
Building 4
Alameda Federal Center
(EPA Method 8260B)
{ug/L}

Sample I.D.	Sampling Date	Matrix	Lab	Total Xylenes	2,2-Dichloropropane
AFC 1	8/22/2007	Water	Test America	ND (1.0)	ND (0.50)
AFC 2	8/22/2007	Water	Test America	ND (1.0)	ND (0.50)
AFC 3	8/22/2007	Water	Test America	ND (1.0)	ND (0.50)
AFC 4	8/22/2007	Water	Test America	ND (1.0)	ND (0.50)

notes:
 STL-SF: Severn Trent Services - San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

**Table 3
METALS
AUGUST 22, 2007 GROUNDWATER RESULTS
Building 4
Alameda Federal Center
(EPA Methods 6010B/3005A
{mg/L})**

Sample I.D.	Sampling Date	Matrix	Lab	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Mercury
AFC-1	8/22/2007	Water	Test America	ND (0.0050)	0.0068	0.029	ND (0.0050)	ND (0.0020)	0.0098	ND (0.0050)	ND (0.0050)	0.0068	ND (0.00020)
AFC-2	8/22/2007	Water	Test America	ND (0.0050)	ND (0.0050)	0.026	ND (0.0050)	ND (0.0020)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.00020)
AFC-3	8/22/2007	Water	Test America	ND (0.0050)	ND (0.0050)	0.028	ND (0.0050)	ND (0.0020)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.00020)
AFC-4	8/22/2007	Water	Test America	ND (0.0050)	ND (0.0050)	0.024	ND (0.0050)	ND (0.0020)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.00020)
Final ESL*				0.006	0.05	1.0	0.004	0.005	0.05	0.14	1.0	0.015	0.002

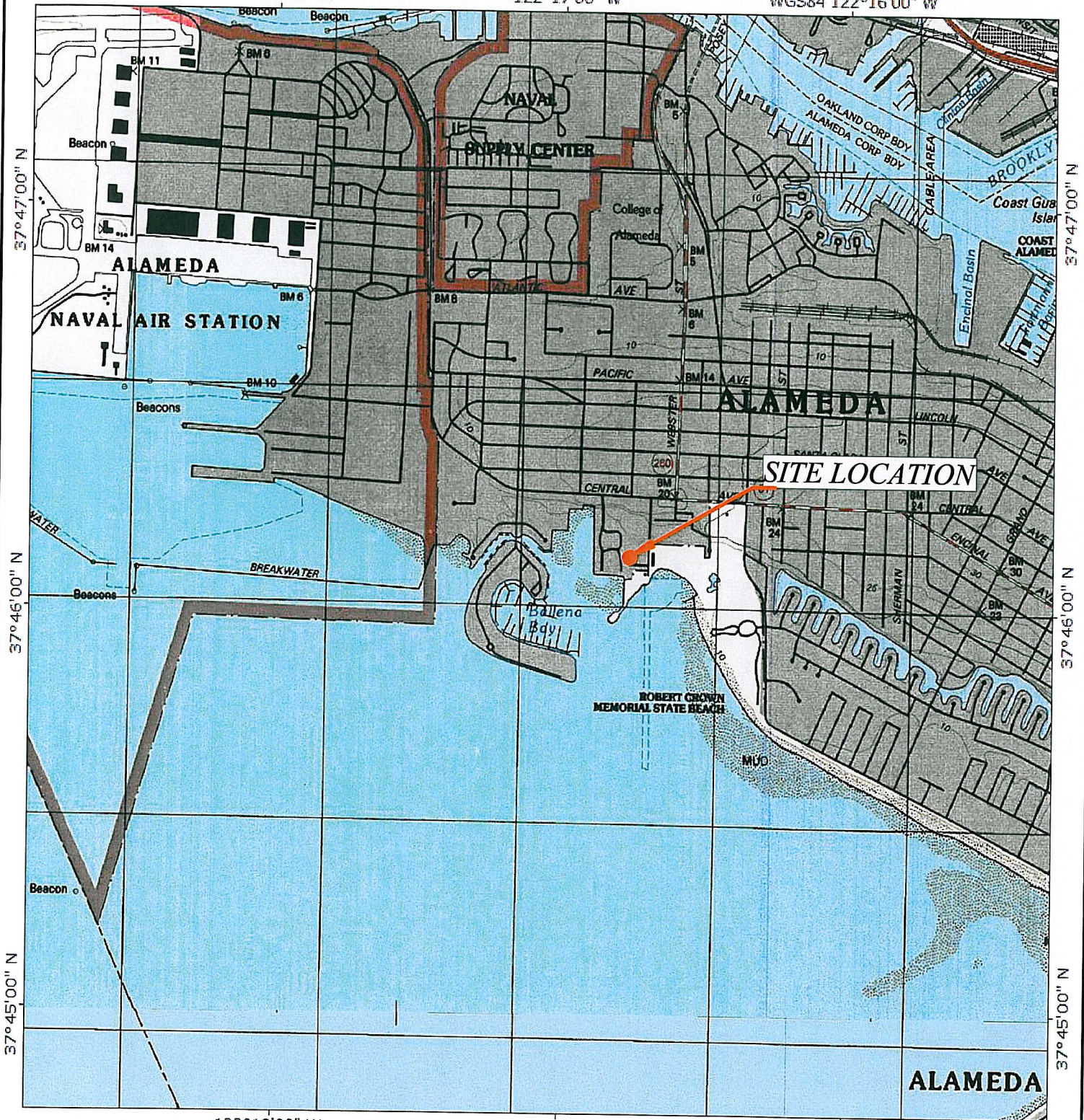
* Final ESL = Final Environmental Screening Levels from Table F-1a, where groundwater is a current or potential drinking water resource "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater, California Regional Water Quality Control Board, San Francisco Region, Interim Final - November 2007."

**Table 3
METALS
AUGUST 22, 2007 GROUNDWATER RESULTS
Building 4
Alameda Federal Center
(EPA Methods 6010B/3005A
{mg/L})**

Sample I.D.	Sampling Date	Matrix	Lab	Molybdenum (Mo)	Nickel (Ni)	Selenium (Se)	Silver (Ag)	Thallium (Tl)	Vanadium (V)	Zinc (Zn)
AFC-1	8/22/2007	Water	Test America	0.0085	0.0071	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.030	ND (0.010)
AFC-2	8/22/2007	Water	Test America	0.0054	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.010)
AFC-3	8/22/2007	Water	Test America	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.010)
AFC-4	8/22/2007	Water	Test America	0.0051	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.010)
Final ESL*				0.035	0.1	0.05	0.035	0.002	0.015	5.0

* Final ESL = Final Environmental Screening Levels from Table F-1a, where groundwater is a current or potential drinking water resource
"Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater,
California Regional Water Quality Control Board, San Francisco Region, Interim Final - November 2007."

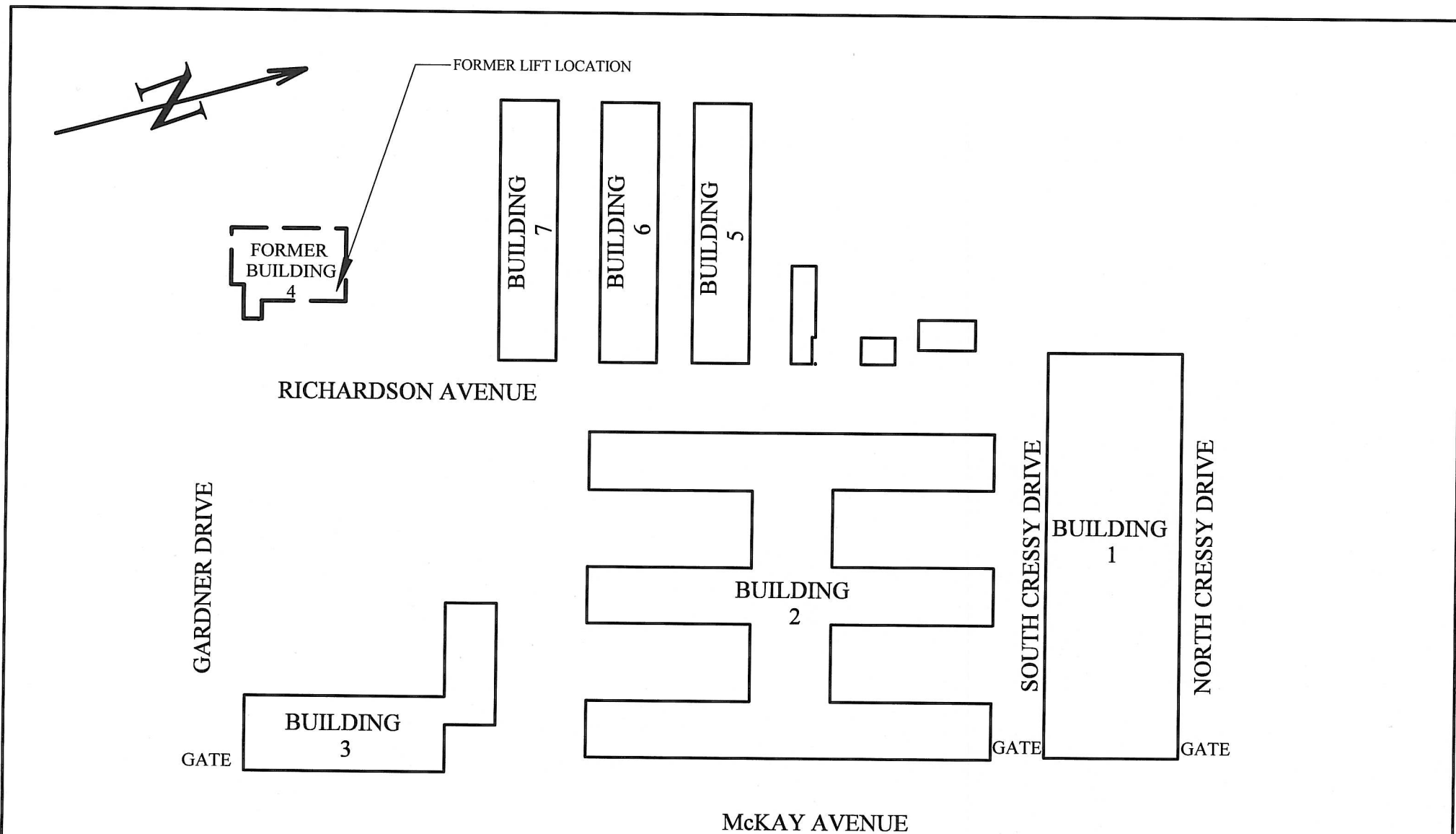
FIGURES



0 1000 FEET 0 500 1000 METERS
Printed from TOPO! ©2000 National Geographic Holdings (www.topo.com)

Alameda Federal Center
620 Central Avenue
Alameda, CALIFORNIA

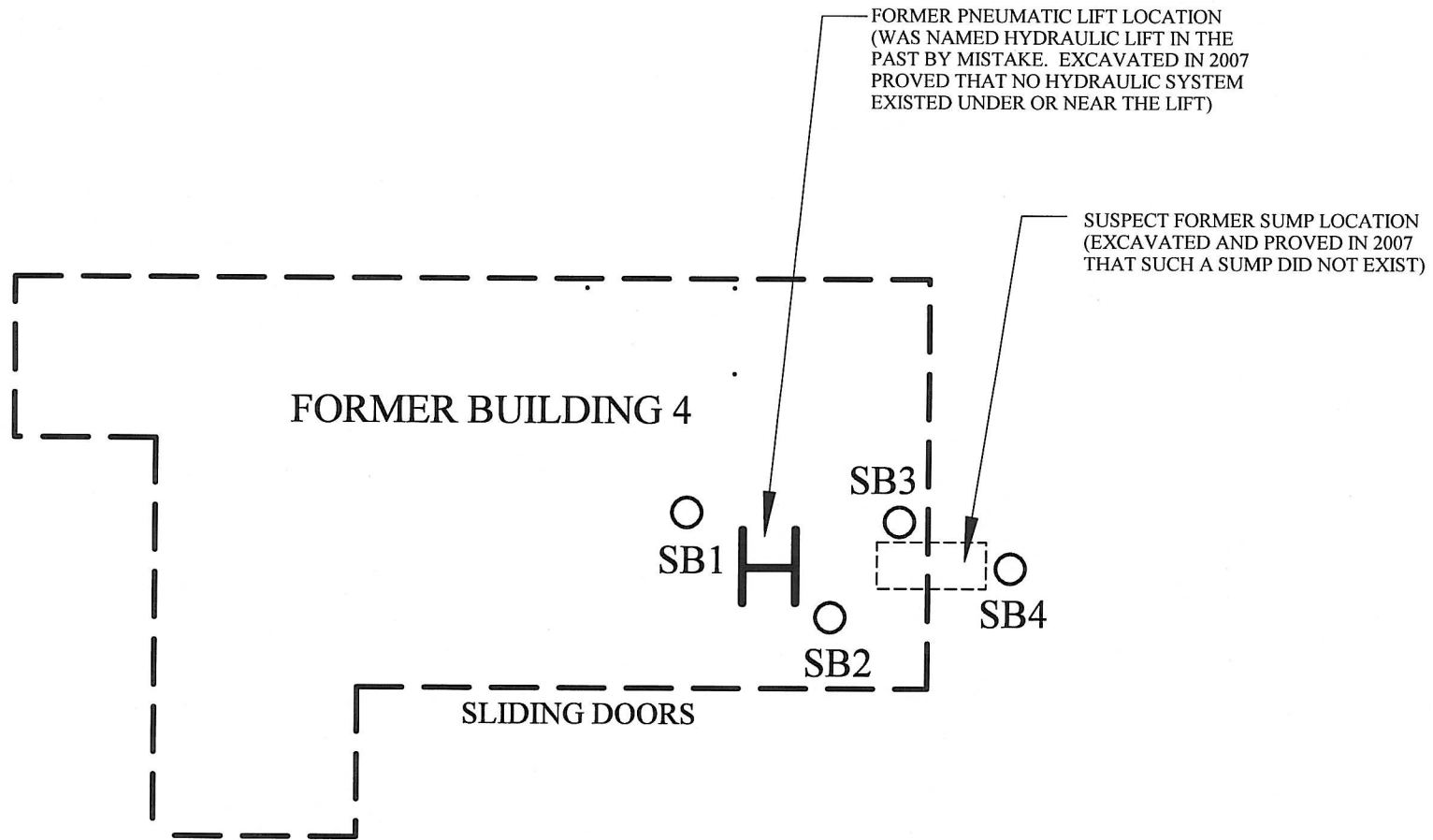
FIGURE 1
SITE LOCATION



APPROXIMATE SCALE: 1" = 100'
01/15/08

Alameda Federal Center
620 Central Avenue
Alameda, CALIFORNIA

FIGURE 2
BUILDING LOCATION

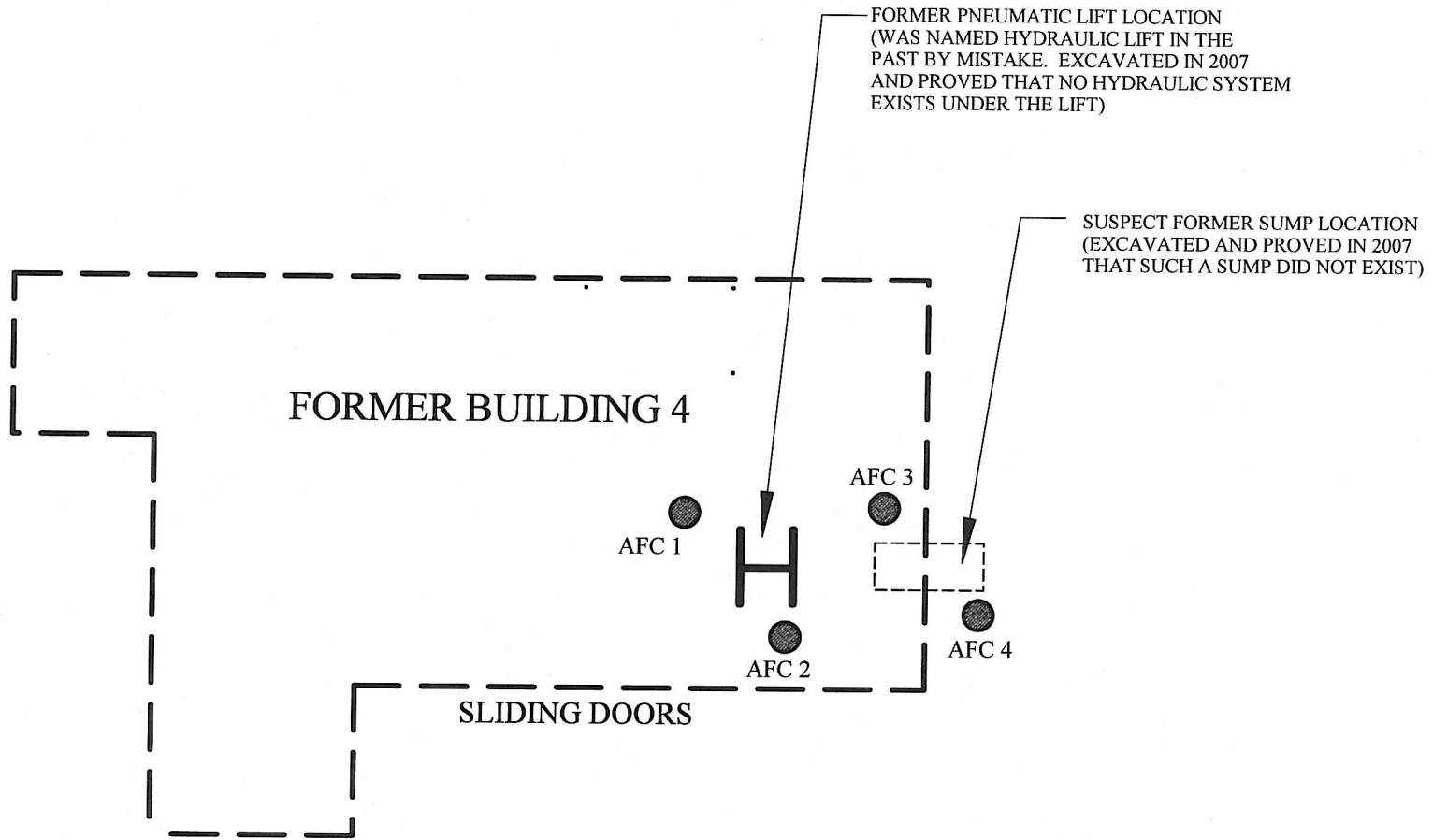


○ DRILLING AND SAMPLING LOCATIONS

APPROXIMATE SCALE: 1" = 50'
01/15/08

Alameda Federal Center
620 Central Avenue
Alameda, CALIFORNIA

FIGURE 3
SOIL AND GROUNDWATER SAMPLING LOCATIONS
MARCH 10, 2003



● GROUNDWATER SAMPLING LOCATIONS

APPROXIMATE SCALE: 1" = 50'

01/15/08

Alameda Federal Center
620 Central Avenue
Alameda, CALIFORNIA

FIGURE 4
GROUNDWATER SAMPLING LOCATIONS
AUGUST 22, 2007

ATTACHMENT A

UST CASE CLOSURE LETTER

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

June 28, 2002

RO 48

Mr. James Lew
General Services Administration
S.F. Service Center (9PEC)
450 Golden Gate Ave., 3rd Floor East
San Francisco, CA 94102-3400

JUL 16 2002

RE: Alameda Federal Center, 620 Central Avenue, Alameda – Well Destruction

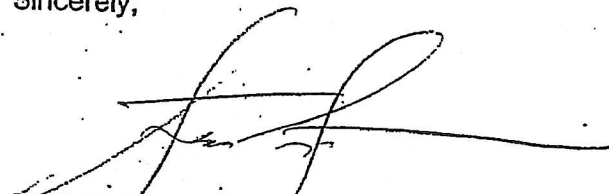
Dear Mr. Lew:

The Alameda County Environmental Health Department, Environmental Protection Division, has received concurrence from the Regional Water Quality Control Board, San Francisco Bay Region (RWQCB), for final closure of the underground storage tank investigation at the referenced site.

Prior to the issuance of a "Remedial Action Completion Certificate" by this office, however, the monitoring wells at the site must be properly destroyed should they be of no further use. Well destruction is performed under permit issued by Alameda County Public Works Agency (ACPWA). Please contact James Yoo of ACPWA at (510) 670-6633 to secure your well destruction permit.

Please advise me if the well will be destroyed, and when destruction has been completed, as appropriate. I may be reached at (510) 567-6783.

Sincerely,


Scott O. Seery, CHMM
Hazardous Materials Specialist

Post-it® Fax Note	7671	Date	7-28	# of pages	1
To	Paul Sones	From	S. Seery		
Co./Dept.	CA7A	Co.	ACDEH		
Phone #		Phone #	510-567-6783		
Fax #	949-474-3091	Fax #			

cc: Chuck Headlee, RWQCB
James Yoo, ACPWA QIC 51503
✓ Paul Sones, CAPE Env. Management, Inc.
3631 So. Harbor Blvd, Ste. 130, Santa Anna, CA 92704

~~_____~~
~~_____~~

ATTACHMENT B

2003 JONAS' INVESTIGATION ANALYTICAL RESULTS

Table A
TEPH AS HYDRAULIC OIL
MARCH 10, 2003 SOIL RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Methods 8015M)
{mg/Kg}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	TEPH-Hydraulic Oil
SB1+SB2-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (50)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (50)
SB3+SB4-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	53
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (50)
SB3-2.5'	3/10/2003	2.5'	Soil	STL-SF	ND (50)
SB3-5'	3/10/2003	5'	Soil	STL-SF	ND (50)
SB4-2.5'	3/10/2003	2.5'	Soil	STL-SF	190
SB4-5'	3/10/2003	5'	Soil	STL-SF	ND (50)

notes:
TEPH: Total Extractable Petroleum Hydrocarbons
ND(10) = Not detected above the reporting limit.

Table B
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 SOIL RESULTS
Building 4 - Hydraulic Lift - Alameda Federal Center
(EPA Method 8260B)
{mg/Kg}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	Acetone	Benzene	Bromodichloromethane	Bromobenzene	Bromochloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene
SB1+SB2-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.020)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.020)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)
SB3+SB4-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.020)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.020)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	2-Chloroethylvinyl ether	Chloroform	Chloromethane
SB1+SB2-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)	ND (0.010)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)	ND (0.010)
SB3+SB4-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)	ND (0.010)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.010)	ND (0.050)	ND (0.0050)	ND (0.010)

notes:

STL-SF: Severn Trent Services - San Francisco

ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table B
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 SOIL RESULTS
Building 4 - Hydraulic Lift - Alameda Federal Center
(EPA Method 8260B)
{mg/Kg}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>2-Chlorotoluene</u>	<u>4-Chlorotoluene</u>	<u>Dibromochloromethane</u>	<u>1,2-Dibromo-3-chloropropane</u>	<u>1,2-Dibromoethane</u>	<u>Dibromomethane</u>	<u>1,2-Dichlorobenzene</u>	<u>1,3-Dichlorobenzene</u>	<u>1,4-Dichlorobenzene</u>
SB1+SB2-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.010)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.010)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.010)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.010)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>Dichlorodifluoromethane</u>	<u>1,1-Dichloropropene</u>	<u>1,3-Dichloropropane</u>	<u>2,2-Dichloropropane</u>	<u>1,1-Dichloroethane</u>	<u>1,2-Dichloroethane</u>	<u>1,1-Dichloroethene</u>	<u>cis-1,2-Dichloroethene</u>	<u>trans-1,2-Dichloroethene</u>
SB1+SB2-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)

notes:
STL-SF: Severn Trent Services - San Francisco
ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table B
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 SOIL RESULTS
Building 4 - Hydraulic Lift - Alameda Federal Center
(EPA Method 8260B)
{mg/Kg}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>1,2-Dichloropropane</u>	<u>cis-1,3-Dichloropropene</u>	<u>trans-1,3-Dichloropropene</u>	<u>Ethylbenzene</u>	<u>Hexachlorobutadiene</u>	<u>2-Hexanone</u>	<u>Isopropylbenzene</u>	<u>p-Isopropyltoluene</u>	<u>Methylene Chloride</u>
SB1+SB2-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.010)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.010)
SB3+SB4-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.010)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.050)	ND (0.0050)	ND (0.0050)	ND (0.010)

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>4-Methyl-2-pentanone (MIBK)</u>	<u>MTBE</u>	<u>Naphthalene</u>	<u>n-Propylbenzene</u>	<u>Styrene</u>	<u>1,1,1,2-Tetrachloroethane</u>	<u>1,1,2,2-Tetrachloroethane</u>	<u>Tetrachloroethene</u>	<u>Toluene</u>
SB1+SB2-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.010)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)

notes:

STL-SF: Severn Trent Services - San Francisco

ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table B
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 SOIL RESULTS
Building 4 - Hydraulic Lift - Alameda Federal Center
(EPA Method 8260B)
{mg/Kg}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>1,2,3-Trichlorobenzene</u>	<u>1,2,4-Trichlorobenzene</u>	<u>1,1,1-Trichloroethane</u>	<u>1,1,2-Trichloroethane</u>	<u>Trichloroethene</u>	<u>Trichlorofluoromethane</u>	<u>Trichlorotrifluoroethane</u>	<u>1,2,4-Trimethylbenzene</u>	<u>1,3,5-Trimethylbenzene</u>
SB1+SB2-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>Vinyl Acetate</u>	<u>Vinyl Chloroide</u>	<u>Total Xylenes</u>
SB1+SB2-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)
SB3+SB4-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0050)

notes:
STL-SF: Severn Trent Services - San Francisco
ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table C
METALS
MARCH 10, 2003 SOIL RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Methods 3050b/7471A/6010B)
{mg/Kg}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<i>Antimony (Sb)</i>	<i>Arsenic (As)</i>	<i>Barium (Ba)</i>	<i>Beryllium (Be)</i>	<i>Cadmium (Cd)</i>	<i>Chromium (Cr)</i>	<i>Cobalt (Co)</i>	<i>Copper (Cu)</i>	<i>Lead (Pb)</i>
SB1+SB2-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (2.0)	2.2	68	ND (0.50)	1.4	28	8.6	14	1.8
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (2.0)	1.4	27	ND (0.50)	0.79	27	3.8	4.7	1.6
SB3+SB4-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (2.0)	2.9	28	ND (0.50)	0.94	21	4.3	7.6	6.4
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (2.0)	1.7	22	ND (0.50)	0.61	20	3.2	3.6	1.4
ESL*					6.1	0.38	750	4.0	1.7	0.000001	40	230	200
Background Levels**						3.5				122			

ESL* = Environmental Screening Level for shallow soil (less or equal to 3 meters below surface grade) for residential land use (potentially contaminated groundwater is a current or potential drinking water resource) Table A-1, "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, California Regional Water Quality Control Board, San Francisco Region, November 2007."

Background Concentrations of Trace and Major Elements in California Soils
 Kearny foundation of Soil Science Division of Agriculture and Natural Resources, University of California, March 1996

Table C
METALS
MARCH 10, 2003 SOIL RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Methods 3050b/7471A/6010B)
{mg/Kg}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	Hg - Mercury	Molybdenum (Mo)	Nickel (Ni)	Selenium (Se)	Silver (Ag)	Thallium (Tl)	Vanadium (V)	Zinc (Zn)
SB1+SB2-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.050)	ND (1.0)	31	ND (2.0)	ND (1.0)	ND (1.0)	25	23
SB1+SB2-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (1.0)	23	ND (2.0)	ND (1.0)	ND (1.0)	14	15
SB3+SB4-2.5'+5'	3/10/2003	2.5' & 5'	Soil	STL-SF	ND (0.050)	ND (1.0)	20	ND (2.0)	ND (1.0)	ND (1.0)	15	20
SB3+SB4-10'+15'	3/10/2003	10' & 15'	Soil	STL-SF	ND (0.050)	ND (1.0)	18	ND (2.0)	ND (1.0)	ND (1.0)	12	12
ESL*					1.0	40	150	10	20	1.2	15	600
Background Levels**											112	

ESL* = Environmental Screening Level for shallow soil (less or equal to 3 meters below surface grade) for residential land use (potentially contaminated groundwater is a current or potential drinking water resource) Table A-1, "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, California Regional Water Quality Control Board, San Francisco Region, November 2007."

Background Concentrations of Trace and Major Elements in California Soils
 Kearny foundation of Soil Science Division of Agriculture and Natural Resources, University of California, March 1996

Table D
TEPH AS HYDRAULIC OIL
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Methods 8015M)
{mg/L}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	TEPH-Hydraulic Oil
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.500)
SB3-GW	3/10/2003	15'	Water	STL-SF	2.600

notes:
 TEPH: Total Extractable Petroleum Hydrocarbons
 ND(10) = Not detected above the reporting limit.

Table E
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Method 8260B)
{mg/L}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>Acetone</u>	<u>Benzene</u>	<u>Bromodichloromethane</u>	<u>Bromobenzene</u>	<u>Bromochloromethane</u>	<u>Bromoform</u>	<u>Bromomethane</u>	<u>2-Butanone (MEK)</u>	<u>n-Butylbenzene</u>
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.0010)	ND (0.00050)	ND (0.0010)	ND (0.050)	ND (0.0010)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.0010)	ND (0.00050)	ND (0.0010)	ND (0.050)	ND (0.0010)

notes:
 STL-SF: Severn Trent Services - San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table E
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Method 8260B)
{mg/L}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>sec-Butylbenzene</u>	<u>tert-Butylbenzene</u>	<u>Carbon disulfide</u>	<u>Carbon tetrachloride</u>	<u>Chlorobenzene</u>	<u>Chloroethane</u>	<u>2-Chloroethylvinyl ether</u>	<u>Chloroform</u>	<u>Chloromethane</u>
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.0010)	ND (0.0010)	ND (0.0050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.0050)	ND (0.0010)	ND (0.0010)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.0010)	ND (0.0010)	ND (0.0050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.0050)	ND (0.0010)	ND (0.0010)

notes:
 STL-SF: Severn Trent Services - San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table E
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Method 8260B)
{mg/L}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>2-Chlorotoluene</u>	<u>4-Chlorotoluene</u>	<u>Dibromochloromethane</u>	<u>1,2-Dibromo-3-chloropropane</u>	<u>1,2-Dibromoethane</u>	<u>Dibromomethane</u>	<u>1,2-Dichlorobenzene</u>	<u>1,3-Dichlorobenzene</u>	<u>1,4-Dichlorobenzene</u>
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)

notes:
 STL-SF: Severn Trent Services - San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table E
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Method 8260B)
{mg/L}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>Dichlorodifluoromethane</u>	<u>1,1-Dichloropropene</u>	<u>1,3-Dichloropropane</u>	<u>2,2-Dichloropropane</u>	<u>1,1-Dichloroethane</u>	<u>1,2-Dichloroethane</u>	<u>1,1-Dichloroethene</u>	<u>cis-1,2-Dichloroethene</u>	<u>trans-1,2-Dichloroethene</u>
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)

notes:
 STL-SF: Severn Trent Services - San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table E
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Method 8260B)
{mg/L}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>1,2-Dichloropropane</u>	<u>cis-1,3-Dichloropropene</u>	<u>trans-1,3-Dichloropropene</u>	<u>Ethylbenzene</u>	<u>Hexachlorobutadiene</u>	<u>2-Hexanone</u>	<u>Isopropylbenzene</u>	<u>p-Isopropyltoluene</u>	<u>Methylene Chloride</u>
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.050)	ND (0.00050)	ND (0.0010)	ND (0.0050)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.050)	ND (0.00050)	ND (0.0010)	ND (0.0050)

notes:
 STL-SF: Severn Trent Services - San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table E
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Method 8260B)
{mg/L}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>4-Methyl-2-pentanone (MIBK)</u>	<u>MTBE</u>	<u>Naphthalene</u>	<u>n-Propylbenzene</u>	<u>Styrene</u>	<u>1,1,1,2-Tetrachloroethane</u>	<u>1,1,2,2-Tetrachloroethane</u>	<u>Tetrachloroethene</u>	<u>Toluene</u>
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0010)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.050)	ND (0.0050)	ND (0.0010)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)

notes:
 STL-SF: Severn Trent Services - San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table E
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Method 8260B)
{mg/L}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>1,2,3-Trichlorobenzene</u>	<u>1,2,4-Trichlorobenzene</u>	<u>1,1,1-Trichloroethane</u>	<u>1,1,2-Trichloroethane</u>	<u>Trichloroethene</u>	<u>Trichlorofluoromethane</u>	<u>Trichlorotrifluoroethane</u>	<u>1,2,4-Trimethylbenzene</u>	<u>1,3,5-Trimethylbenzene</u>
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.0010)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.0010)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.0010)	ND (0.00050)	ND (0.00050)	ND (0.00050)

notes:
 STL-SF: Severn Trent Services - San Francisco
 ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table E
VOLATILE ORGANIC COMPOUNDS
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Method 8260B)
{mg/L}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	<u>Vinyl Acetate</u>	<u>Vinyl Chloroide</u>	<u>Total Xylenes</u>
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.025)	ND (0.00050)	ND (0.0010)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.025)	ND (0.00050)	ND (0.0010)

notes:

STL-SF: Severn Trent Services - San Francisco

ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table F
METALS
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Methods 3050b/7471A/6010B)
{mg/L}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.0050)	0.011	0.14	ND (0.0050)	ND (0.0020)	ND (0.0050)	ND (0.0050)	0.045	ND (0.0050)
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.0050)	0.050	0.11	ND (0.0050)	ND (0.0020)	ND (0.0050)	ND (0.0050)	0.029	ND (0.0050)

notes:
STL-SF: Severn Trent Services - San Francisco
ND(10) = Not detected above the laboratory reporting limit in parentheses.

Table F
METALS
MARCH 10, 2003 GROUNDWATER RESULTS
Building 4 - Hydraulic Lift
Alameda Federal Center
(EPA Methods 3050b/7471A/6010B)
{mg/L}

Sample I.D.	Sampling Date	Sampling Depth (ft.)	Matrix	Lab	Hg - Mercury	Molybdenum (Mo)	Nickel (Ni)	Selenium (Se)	Silver (Ag)	Thallium (Tl)	Vanadium (V)	Zinc (Zn)
SB1-GW	3/10/2003	15'	Water	STL-SF	ND (0.00020)	0.014	0.0052	ND (0.0050)	ND (0.0050)	0.0057	ND (0.0050)	0.058
SB3-GW	3/10/2003	15'	Water	STL-SF	ND (0.00020)	0.065	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.075	ND (0.010)

notes:
STL-SF: Severn Trent Services - San Francisco
ND(10) = Not detected above the laboratory reporting limit in parentheses.

ATTACHMENT C

2007 GROUNDWATER SAMPLING LABORATORY REPORT
AND CHAIN OF CUSTODIES

ANALYTICAL REPORT

Job Number: 720-10452-1

Job Description: Alameda Federal Center

For:
Analytical Planning Services, Inc.
825 Van Ness Avenue, Suite 410
San Francisco, CA 94109-7731

Attention: Christopher Wade Sr., CCM

Suminder Sidhu

Designee for
Melissa Brewer
Project Manager I
melissa.brewer@testamericainc.com
08/30/2007

"PROPERTY OF THE UNITED STATES GOVERNMENT"
"FOR OFFICIAL USE ONLY"
"Do not remove this notice"
"Properly destroy documents when no longer needed".

Job Narrative
720-J10452-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC Semi VOA

TEPH Hydraulic Oil is reported as C19-C36 Carbon ranges.

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-10452-1	AFC 1				
<i>Dissolved</i>					
Arsenic		0.0068	0.0050	mg/L	6010B
Barium		0.029	0.0050	mg/L	6010B
Chromium		0.0098	0.0050	mg/L	6010B
Lead		0.0068	0.0050	mg/L	6010B
Molybdenum		0.0085	0.0050	mg/L	6010B
Nickel		0.0071	0.0050	mg/L	6010B
Vanadium		0.030	0.0050	mg/L	6010B
720-10452-2	AFC 2				
<i>Dissolved</i>					
Barium		0.026	0.0050	mg/L	6010B
Molybdenum		0.0054	0.0050	mg/L	6010B
720-10452-3	AFC 3				
<i>Dissolved</i>					
Barium		0.028	0.0050	mg/L	6010B
720-10452-4	AFC 4				
Acetone		81	50	ug/L	8260B
<i>Dissolved</i>					
Barium		0.024	0.0050	mg/L	6010B
Molybdenum		0.0051	0.0050	mg/L	6010B

METHOD SUMMARY

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS (Low Level)	TAL SF	SW846 8260B	
Purge-and-Trap	TAL SF		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL SF	SW846 8015B	
Separatory Funnel Liquid-Liquid Extraction	TAL SF		SW846 3510C
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL SF	SW846 6010B	
Sample Filtration	TAL SF		FILTRATION
Acid Digestion of Waters for Total Recoverable or	TAL SF		SW846 3005A
Mercury in Liquid Waste (Manual Cold Vapor Technique)	TAL SF	SW846 7470A	
Sample Filtration	TAL SF		FILTRATION
Mercury in Liquid Waste (Manual Cold Vapor	TAL SF		SW846 7470A

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-10452-1	AFC 1	Water	08/22/2007 1000	08/22/2007 1340
720-10452-2	AFC 2	Water	08/22/2007 1100	08/22/2007 1340
720-10452-3	AFC 3	Water	08/22/2007 1200	08/22/2007 1340
720-10452-4	AFC 4	Water	08/22/2007 1230	08/22/2007 1340

Analytical Data

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Client Sample ID: AFC 1

Lab Sample ID: 720-10452-1
 Client Matrix: Water

Date Sampled: 08/22/2007 1000
 Date Received: 08/22/2007 1340

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-25293	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200708\082407\SA-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	08/24/2007 1801		Final Weight/Volume: 40 mL
Date Prepared:	08/24/2007 1801		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Client Sample ID: AFC 1

Lab Sample ID: 720-10452-1
Client Matrix: Water

Date Sampled: 08/22/2007 1000
Date Received: 08/22/2007 1340

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-25293	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200708\082407\SA-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	08/24/2007 1801		Final Weight/Volume: 40 mL
Date Prepared:	08/24/2007 1801		

Analyte	Result (ug/L)	Qualifier	RL
methyl isobutyl ketone	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	83 - 127
1,2-Dichloroethane-d4 (Surr)	110	86 - 129
Toluene-d8 (Surr)	114	82 - 126

Analytical Data

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Client Sample ID: AFC 2

Lab Sample ID: 720-10452-2
Client Matrix: Water

Date Sampled: 08/22/2007 1100
Date Received: 08/22/2007 1340

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-25293	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200708\082407\SA-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	08/24/2007 1908		Final Weight/Volume: 40 mL
Date Prepared:	08/24/2007 1908		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Client Sample ID: AFC 2

Lab Sample ID: 720-10452-2
Client Matrix: Water

Date Sampled: 08/22/2007 1100
Date Received: 08/22/2007 1340

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-25293	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200708\082407\SA-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	08/24/2007 1908		Final Weight/Volume: 40 mL
Date Prepared:	08/24/2007 1908		

Analyte	Result (ug/L)	Qualifier	RL
methyl isobutyl ketone	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	105	83 - 127
1,2-Dichloroethane-d4 (Surr)	104	86 - 129
Toluene-d8 (Surr)	112	82 - 126

Analytical Data

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Client Sample ID: AFC 3

Lab Sample ID: 720-10452-3
Client Matrix: Water

Date Sampled: 08/22/2007 1200
Date Received: 08/22/2007 1340

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-25293	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200708\082407\SA-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	08/24/2007 2015		Final Weight/Volume: 40 mL
Date Prepared:	08/24/2007 2015		

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Analytical Data

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Client Sample ID: AFC 3

Lab Sample ID: 720-10452-3
Client Matrix: Water

Date Sampled: 08/22/2007 1200
Date Received: 08/22/2007 1340

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-25293	Instrument ID: Saturn 2K3
Preparation:	5030B		Lab File ID: d:\data\200708\082407\SA-
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	08/24/2007 2015		Final Weight/Volume: 40 mL
Date Prepared:	08/24/2007 2015		

Analyte	Result (ug/L)	Qualifier	RL
methyl isobutyl ketone	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	110	83 - 127
1,2-Dichloroethane-d4 (Surr)	101	86 - 129
Toluene-d8 (Surr)	116	82 - 126

Analytical Data

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Client Sample ID: AFC 4

Lab Sample ID: 720-10452-4
Client Matrix: Water

Date Sampled: 08/22/2007 1230
Date Received: 08/22/2007 1340

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method:	8260B	Analysis Batch: 720-25330	Instrument ID: Varian 3900F
Preparation:	5030B		Lab File ID: c:\saturnws\data\200708\08
Dilution:	1.0		Initial Weight/Volume: 40 mL
Date Analyzed:	08/27/2007 1637		Final Weight/Volume: 40 mL
Date Prepared:	08/27/2007 1637		

Analyte	Result (ug/L)	Qualifier	RL
methyl isobutyl ketone	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	116	83 - 127
1,2-Dichloroethane-d4 (Surr)	123	86 - 129
Toluene-d8 (Surr)	111	82 - 126

Analytical Data

Client: Analytical Planning Cervices, Inc.

Job Number: 720-10452-1

Client Sample ID: AFC 1

Lab Sample ID: 720-10452-1

Date Sampled: 08/22/2007 1000

Client Matrix: Water

Date Received: 08/22/2007 1340

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method:	8015B	Analysis Batch: 720-25264	Instrument ID: Varian DRO4
Preparation:	3510C	Prep Batch: 720-25178	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	08/29/2007 1100		Final Weight/Volume: 1 mL
Date Prepared:	08/23/2007 1244		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
C19-C36	ND		500
Surrogate	%Rec		Acceptance Limits
p-Terphenyl	85		50 - 150

Analytical Data

Client: Analytical Planning Cervices, Inc.

Job Number: 720-10452-1

Client Sample ID: AFC 2

Lab Sample ID: 720-10452-2

Date Sampled: 08/22/2007 1100

Client Matrix: Water

Date Received: 08/22/2007 1340

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method:	8015B	Analysis Batch: 720-25264	Instrument ID: Varian DRO4
Preparation:	3510C	Prep Batch: 720-25178	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	08/29/2007 1126		Final Weight/Volume: 1 mL
Date Prepared:	08/23/2007 1244		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
C19-C36	ND		500
Surrogate	%Rec		Acceptance Limits
p-Terphenyl	77		50 - 150

Analytical Data

Client: Analytical Planning Cervices, Inc.

Job Number: 720-10452-1

Client Sample ID: AFC 3

Lab Sample ID: 720-10452-3

Date Sampled: 08/22/2007 1200

Client Matrix: Water

Date Received: 08/22/2007 1340

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B

Analysis Batch: 720-25264

Instrument ID: Varian DRO4

Preparation: 3510C

Prep Batch: 720-25178

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 250 mL

Date Analyzed: 08/29/2007 1152

Final Weight/Volume: 1 mL

Date Prepared: 08/23/2007 1244

Injection Volume:

Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
C19-C36	ND		500
Surrogate	%Rec		Acceptance Limits
p-Terphenyl	83		50 - 150

Analytical Data

Client: Analytical Planning Cervices, Inc.

Job Number: 720-10452-1

Client Sample ID: AFC 4

Lab Sample ID: 720-10452-4

Date Sampled: 08/22/2007 1230

Client Matrix: Water

Date Received: 08/22/2007 1340

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method:	8015B	Analysis Batch: 720-25264	Instrument ID: Varian DRO4
Preparation:	3510C	Prep Batch: 720-25178	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 250 mL
Date Analyzed:	08/29/2007 1218		Final Weight/Volume: 1 mL
Date Prepared:	08/23/2007 1244		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
C19-C36	ND		500
Surrogate	%Rec		Acceptance Limits
p-Terphenyl	79		50 - 150

Analytical Data

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Client Sample ID: AFC 1

Lab Sample ID: 720-10452-1

Date Sampled: 08/22/2007 1000

Client Matrix: Water

Date Received: 08/22/2007 1340

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method:	6010B	Analysis Batch: 720-25419	Instrument ID:	Varian ICP
Preparation:	3005A	Prep Batch: 720-25415	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	40 mL
Date Analyzed:	08/29/2007 0950		Final Weight/Volume:	42.8 mL
Date Prepared:	08/29/2007 0806			

Analyte	Result (mg/L)	Qualifier	RL
Antimony	ND		0.0050
Arsenic	0.0068		0.0050
Barium	0.029		0.0050
Beryllium	ND		0.0050
Cadmium	ND		0.0020
Chromium	0.0098		0.0050
Cobalt	ND		0.0050
Copper	ND		0.0050
Lead	0.0068		0.0050
Molybdenum	0.0085		0.0050
Nickel	0.0071		0.0050
Selenium	ND		0.0050
Silver	ND		0.0050
Thallium	ND		0.0050
Vanadium	0.030		0.0050
Zinc	ND		0.010

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)-Dissolved

Method:	7470A	Analysis Batch: 720-25455	Instrument ID:	FIMS 100
Preparation:	7470A	Prep Batch: 720-25417	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	08/29/2007 1359		Final Weight/Volume:	50 mL
Date Prepared:	08/29/2007 0835			

Analyte	Result (mg/L)	Qualifier	RL
Mercury	ND		0.00020

Analytical Data

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Client Sample ID: AFC 2

Lab Sample ID: 720-10452-2
Client Matrix: Water

Date Sampled: 08/22/2007 1100
Date Received: 08/22/2007 1340

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method: 6010B Analysis Batch: 720-25419 Instrument ID: Varian ICP
Preparation: 3005A Prep Batch: 720-25415 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 08/29/2007 0954 Final Weight/Volume: 42.8 mL
Date Prepared: 08/29/2007 0806

Analyte	Result (mg/L)	Qualifier	RL
Antimony	ND		0.0050
Arsenic	ND		0.0050
Barium	0.026		0.0050
Beryllium	ND		0.0050
Cadmium	ND		0.0020
Chromium	ND		0.0050
Cobalt	ND		0.0050
Copper	ND		0.0050
Lead	ND		0.0050
Molybdenum	0.0054		0.0050
Nickel	ND		0.0050
Selenium	ND		0.0050
Silver	ND		0.0050
Thallium	ND		0.0050
Vanadium	ND		0.0050
Zinc	ND		0.010

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)-Dissolved

Method: 7470A Analysis Batch: 720-25455 Instrument ID: FIMS 100
Preparation: 7470A Prep Batch: 720-25417 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 25 mL
Date Analyzed: 08/29/2007 1400 Final Weight/Volume: 50 mL
Date Prepared: 08/29/2007 0835

Analyte	Result (mg/L)	Qualifier	RL
Mercury	ND		0.00020

Analytical Data

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Client Sample ID: AFC 3

Lab Sample ID: 720-10452-3
Client Matrix: Water

Date Sampled: 08/22/2007 1200
Date Received: 08/22/2007 1340

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method: 6010B Analysis Batch: 720-25419 Instrument ID: Varian ICP
Preparation: 3005A Prep Batch: 720-25415 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 08/29/2007 0957 Final Weight/Volume: 42.8 mL
Date Prepared: 08/29/2007 0806

Analyte	Result (mg/L)	Qualifier	RL
Antimony	ND		0.0050
Arsenic	ND		0.0050
Barium	0.028		0.0050
Beryllium	ND		0.0050
Cadmium	ND		0.0020
Chromium	ND		0.0050
Cobalt	ND		0.0050
Copper	ND		0.0050
Lead	ND		0.0050
Molybdenum	ND		0.0050
Nickel	ND		0.0050
Selenium	ND		0.0050
Silver	ND		0.0050
Thallium	ND		0.0050
Vanadium	ND		0.0050
Zinc	ND		0.010

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)-Dissolved

Method: 7470A Analysis Batch: 720-25455 Instrument ID: FIMS 100
Preparation: 7470A Prep Batch: 720-25417 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 25 mL
Date Analyzed: 08/29/2007 1403 Final Weight/Volume: 50 mL
Date Prepared: 08/29/2007 0835

Analyte	Result (mg/L)	Qualifier	RL
Mercury	ND		0.00020

Analytical Data

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Client Sample ID: AFC 4

Lab Sample ID: 720-10452-4
Client Matrix: Water

Date Sampled: 08/22/2007 1230
Date Received: 08/22/2007 1340

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Dissolved

Method: 6010B Analysis Batch: 720-25419 Instrument ID: Varian ICP
Preparation: 3005A Prep Batch: 720-25415 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 08/29/2007 1001 Final Weight/Volume: 42.8 mL
Date Prepared: 08/29/2007 0806

Analyte	Result (mg/L)	Qualifier	RL
Antimony	ND		0.0050
Arsenic	ND		0.0050
Barium	0.024		0.0050
Beryllium	ND		0.0050
Cadmium	ND		0.0020
Chromium	ND		0.0050
Cobalt	ND		0.0050
Copper	ND		0.0050
Lead	ND		0.0050
Molybdenum	0.0051		0.0050
Nickel	ND		0.0050
Selenium	ND		0.0050
Silver	ND		0.0050
Thallium	ND		0.0050
Vanadium	ND		0.0050
Zinc	ND		0.010

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)-Dissolved

Method: 7470A Analysis Batch: 720-25455 Instrument ID: FIMS 100
Preparation: 7470A Prep Batch: 720-25417 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 25 mL
Date Analyzed: 08/29/2007 1405 Final Weight/Volume: 50 mL
Date Prepared: 08/29/2007 0835

Analyte	Result (mg/L)	Qualifier	RL
Mercury	ND		0.00020

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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Quality Control Results

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-25293					
LCS 720-25293/1	Lab Control Spike	T	Water	8260B	
MB 720-25293/2	Method Blank	T	Water	8260B	
720-10452-1	AFC 1	T	Water	8260B	
720-10452-2	AFC 2	T	Water	8260B	
720-10452-3	AFC 3	T	Water	8260B	
Analysis Batch:720-25330					
LCS 720-25330/1	Lab Control Spike	T	Water	8260B	
MB 720-25330/2	Method Blank	T	Water	8260B	
720-10452-4	AFC 4	T	Water	8260B	
Report Basis					
T = Total					
GC Semi VOA					
Prep Batch: 720-25178					
LCS 720-25178/2-A	Lab Control Spike	T	Water	3510C	
LCSD 720-25178/3-A	Lab Control Spike Duplicate	T	Water	3510C	
MB 720-25178/1-A	Method Blank	T	Water	3510C	
720-10452-1	AFC 1	T	Water	3510C	
720-10452-2	AFC 2	T	Water	3510C	
720-10452-3	AFC 3	T	Water	3510C	
720-10452-4	AFC 4	T	Water	3510C	
Analysis Batch:720-25264					
LCS 720-25178/2-A	Lab Control Spike	T	Water	8015B	720-25178
LCSD 720-25178/3-A	Lab Control Spike Duplicate	T	Water	8015B	720-25178
MB 720-25178/1-A	Method Blank	T	Water	8015B	720-25178
720-10452-1	AFC 1	T	Water	8015B	720-25178
720-10452-2	AFC 2	T	Water	8015B	720-25178
720-10452-3	AFC 3	T	Water	8015B	720-25178
720-10452-4	AFC 4	T	Water	8015B	720-25178
Report Basis					
T = Total					

Quality Control Results

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 720-25415					
LCS 720-25415/2-A	Lab Control Spike	R	Water	3005A	
LCSD 720-25415/3-A	Lab Control Spike Duplicate	R	Water	3005A	
MB 720-25414/1-B	Method Blank	D	Water	3005A	
720-10452-1	AFC 1	D	Water	3005A	
720-10452-1MS	Matrix Spike	D	Water	3005A	
720-10452-1MSD	Matrix Spike Duplicate	D	Water	3005A	
720-10452-2	AFC 2	D	Water	3005A	
720-10452-3	AFC 3	D	Water	3005A	
720-10452-4	AFC 4	D	Water	3005A	
Prep Batch: 720-25417					
LCS 720-25417/2-A	Lab Control Spike	T	Water	7470A	
LCSD 720-25417/3-A	Lab Control Spike Duplicate	T	Water	7470A	
MB 720-25417/1-A	Method Blank	T	Water	7470A	
720-10452-1	AFC 1	D	Water	7470A	
720-10452-2	AFC 2	D	Water	7470A	
720-10452-3	AFC 3	D	Water	7470A	
720-10452-4	AFC 4	D	Water	7470A	
Analysis Batch:720-25419					
LCS 720-25415/2-A	Lab Control Spike	R	Water	6010B	720-25415
LCSD 720-25415/3-A	Lab Control Spike Duplicate	R	Water	6010B	720-25415
MB 720-25414/1-B	Method Blank	D	Water	6010B	720-25415
720-10452-1	AFC 1	D	Water	6010B	720-25415
720-10452-1MS	Matrix Spike	D	Water	6010B	720-25415
720-10452-1MSD	Matrix Spike Duplicate	D	Water	6010B	720-25415
720-10452-2	AFC 2	D	Water	6010B	720-25415
720-10452-3	AFC 3	D	Water	6010B	720-25415
720-10452-4	AFC 4	D	Water	6010B	720-25415
Analysis Batch:720-25455					
LCS 720-25417/2-A	Lab Control Spike	T	Water	7470A	720-25417
LCSD 720-25417/3-A	Lab Control Spike Duplicate	T	Water	7470A	720-25417
MB 720-25417/1-A	Method Blank	T	Water	7470A	720-25417
720-10452-1	AFC 1	D	Water	7470A	720-25417
720-10452-2	AFC 2	D	Water	7470A	720-25417
720-10452-3	AFC 3	D	Water	7470A	720-25417
720-10452-4	AFC 4	D	Water	7470A	720-25417

Report Basis

D = Dissolved

R = Total Recoverable

T = Total

Quality Control Results

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Method Blank - Batch: 720-25293

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 720-25293/2

Analysis Batch: 720-25293

Instrument ID: Saturn 2K3

Client Matrix: Water

Prep Batch: N/A

Lab File ID: d:\data\200708\082407\MB

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 40 mL

Date Analyzed: 08/24/2007 1121

Final Weight/Volume: 40 mL

Date Prepared: 08/24/2007 1121

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Method Blank - Batch: 720-25293

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-25293/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/24/2007 1121
Date Prepared: 08/24/2007 1121

Analysis Batch: 720-25293
Prep Batch: N/A
Units: ug/L

Instrument ID: Saturn 2K3
Lab File ID: d:\data\200708\082407\MB
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
methyl isobutyl ketone	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	110	83 - 127	
1,2-Dichloroethane-d4 (Surr)	107	86 - 129	
Toluene-d8 (Surr)	112	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Lab Control Spike - Batch: 720-25293

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 720-25293/1

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 08/24/2007 1048

Date Prepared: 08/24/2007 1048

Analysis Batch: 720-25293

Prep Batch: N/A

Units: ug/L

Instrument ID: Saturn 2K3

Lab File ID: d:\data\200708\082407\LS-

Initial Weight/Volume: 40 mL

Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	22.2	111	69 - 129	
Chlorobenzene	20.0	23.8	119	61 - 121	
1,1-Dichloroethene	20.0	23.9	119	65 - 125	
Toluene	20.0	22.7	113	70 - 130	
Trichloroethene	20.0	19.0	95	74 - 134	
Surrogate			% Rec	Acceptance Limits	
4-Bromofluorobenzene			115	83 - 127	
1,2-Dichloroethane-d4 (Surr)			110	86 - 129	
Toluene-d8 (Surr)			114	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Method Blank - Batch: 720-25330

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-25330/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/27/2007 1105
Date Prepared: 08/27/2007 1105

Analysis Batch: 720-25330
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200708\08
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Method Blank - Batch: 720-25330

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-25330/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/27/2007 1105
Date Prepared: 08/27/2007 1105

Analysis Batch: 720-25330
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200708\08
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
methyl isobutyl ketone	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	116	83 - 127	
1,2-Dichloroethane-d4 (Surr)	111	86 - 129	
Toluene-d8 (Surr)	113	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Lab Control Spike - Batch: 720-25330

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-25330/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/27/2007 1032
Date Prepared: 08/27/2007 1032

Analysis Batch: 720-25330
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200708\08
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	16.6	83	69 - 129	
Chlorobenzene	20.0	19.2	96	61 - 121	
1,1-Dichloroethene	20.0	17.3	87	65 - 125	
Toluene	20.0	16.9	84	70 - 130	
Trichloroethene	20.0	15.7	78	74 - 134	
Surrogate			% Rec	Acceptance Limits	
4-Bromofluorobenzene			112	83 - 127	
1,2-Dichloroethane-d4 (Surr)			107	86 - 129	
Toluene-d8 (Surr)			111	82 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Method Blank - Batch: 720-25178

Method: 8015B
Preparation: 3510C

Lab Sample ID: MB 720-25178/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/29/2007 1034
Date Prepared: 08/23/2007 1244

Analysis Batch: 720-25264
Prep Batch: 720-25178
Units: ug/L

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
C19-C36	ND		500
Surrogate	% Rec		Acceptance Limits
p-Terphenyl	83		50 - 150

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-25178**

Method: 8015B
Preparation: 3510C

LCS Lab Sample ID: LCS 720-25178/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/24/2007 1115
Date Prepared: 08/23/2007 1244

Analysis Batch: 720-25264
Prep Batch: 720-25178
Units: ug/L

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-25178/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/24/2007 1141
Date Prepared: 08/23/2007 1244

Analysis Batch: 720-25264
Prep Batch: 720-25178
Units: ug/L

Instrument ID: Varian DRO4
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	73	94	50 - 130	25	30		
Surrogate		LCS % Rec	LCSD % Rec			Acceptance Limits	
p-Terphenyl		83	96			50 - 150	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Method Blank - Batch: 720-25415

Lab Sample ID: MB 720-25414/1-B
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/29/2007 0922
Date Prepared: 08/29/2007 0806

Analysis Batch: 720-25419
Prep Batch: 720-25415
Units: mg/L

Method: 6010B Preparation: 3005A Dissolved

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 42.8 mL

Analyte	Result	Qual	RL
Antimony	ND		0.0050
Arsenic	ND		0.0050
Barium	ND		0.0050
Beryllium	ND		0.0050
Cadmium	ND		0.0020
Chromium	ND		0.0050
Cobalt	ND		0.0050
Copper	ND		0.0050
Lead	ND		0.0050
Molybdenum	ND		0.0050
Nickel	ND		0.0050
Selenium	ND		0.0050
Silver	ND		0.0050
Thallium	ND		0.0050
Vanadium	ND		0.0050
Zinc	ND		0.010

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-25415**

**Method: 6010B
Preparation: 3005A
Total Recoverable**

LCS Lab Sample ID: LCS 720-25415/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/29/2007 0925
Date Prepared: 08/29/2007 0806

Analysis Batch: 720-25419
Prep Batch: 720-25415
Units: mg/L

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 42.8 mL

LCSD Lab Sample ID: LCSD 720-25415/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/29/2007 0939
Date Prepared: 08/29/2007 0806

Analysis Batch: 720-25419
Prep Batch: 720-25415
Units: mg/L

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 42.8 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Antimony	90	89	80 - 120	1	20		
Arsenic	85	83	80 - 120	2	20		
Barium	95	94	80 - 120	1	20		
Beryllium	95	94	80 - 120	1	20		
Cadmium	95	95	80 - 120	1	20		
Chromium	96	95	80 - 120	1	20		
Cobalt	97	96	80 - 120	1	20		
Copper	95	94	80 - 120	1	20		
Lead	96	95	80 - 120	1	20		
Molybdenum	95	94	80 - 120	1	20		
Nickel	95	94	80 - 120	1	20		
Selenium	96	95	80 - 120	1	20		
Silver	95	94	80 - 120	1	20		
Thallium	96	95	80 - 120	1	20		
Vanadium	97	96	80 - 120	1	20		
Zinc	94	94	80 - 120	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-25415**

**Method: 6010B
Preparation: 3005A
Dissolved**

MS Lab Sample ID: 720-10452-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/29/2007 0943
Date Prepared: 08/29/2007 0806

Analysis Batch: 720-25419
Prep Batch: 720-25415

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 42.8 mL

MSD Lab Sample ID: 720-10452-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/29/2007 0946
Date Prepared: 08/29/2007 0806

Analysis Batch: 720-25419
Prep Batch: 720-25415

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 42.8 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Antimony	89	90	75 - 125	1	20		
Arsenic	87	89	75 - 125	2	20		
Barium	91	92	75 - 125	1	20		
Beryllium	95	96	75 - 125	0	20		
Cadmium	94	94	75 - 125	1	20		
Chromium	95	95	75 - 125	1	20		
Cobalt	96	95	75 - 125	0	20		
Copper	94	95	75 - 125	0	20		
Lead	94	94	75 - 125	0	20		
Molybdenum	94	95	75 - 125	1	20		
Nickel	94	94	75 - 125	1	20		
Selenium	97	98	75 - 125	1	20		
Silver	95	96	75 - 125	1	20		
Thallium	92	93	75 - 125	1	20		
Vanadium	96	97	75 - 125	0	20		
Zinc	95	96	75 - 125	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Method Blank - Batch: 720-25417

Lab Sample ID: MB 720-25417/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 08/29/2007 1348
 Date Prepared: 08/29/2007 0835

Analysis Batch: 720-25455
 Prep Batch: 720-25417
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: FIMS 100
 Lab File ID: N/A
 Initial Weight/Volume: 25 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	ND		0.00020

**Lab Control Spike/
 Lab Control Spike Duplicate Recovery Report - Batch: 720-25417**

LCS Lab Sample ID: LCS 720-25417/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 08/29/2007 1350
 Date Prepared: 08/29/2007 0835

Analysis Batch: 720-25455
 Prep Batch: 720-25417
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: FIMS 100
 Lab File ID: N/A
 Initial Weight/Volume: 25 mL
 Final Weight/Volume: 50 mL

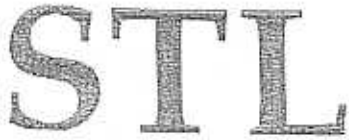
LCSD Lab Sample ID: LCSD 720-25417/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 08/29/2007 1351
 Date Prepared: 08/29/2007 0835

Analysis Batch: 720-25455
 Prep Batch: 720-25417
 Units: mg/L

Instrument ID: FIMS 100
 Lab File ID: N/A
 Initial Weight/Volume: 25 mL
 Final Weight/Volume: 50 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Mercury	101	98	85 - 115	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.



720-10452
STL San Francisco Chain of Custody
 1220 Quarry Lane • Pleasanton CA 94566-4756
 Phone: (925) 484-1919 • Fax: (925) 484-1096
 Email: sflogin@stl-inc.com

Reference #: 106808

Date 8-22-07 Page 1 of 1

Report To					Analysis Request																		
Attn: <u>Chris Wab, CCM</u>																							
Company: <u>APSI, Inc.</u>																							
Address: <u>2393 - Trellis Ln, Torlock, CA</u>																							
Phone: <u>4082504828</u> Email: <u>95382</u>																							
Bill To: <u>APSI</u>		Sampled By: <u>Chris Wab</u>																					
Attn: <u>Chiuwee</u>		Phone: <u>SAME</u>																					
Sample ID	Date	Time	Mat rx	Pres erv.	TPH EPA - <input type="checkbox"/> 8015/8021 <input type="checkbox"/> 82608 <input type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE	Purgeable Aromatics BTEX EPA - <input type="checkbox"/> 8021 <input type="checkbox"/> 82608	TEPH EPA 8015M* <input type="checkbox"/> Silica Gel <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other: <u>HO</u>	Fuel Tests EPA 82608: <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> Five Dryanals <input type="checkbox"/> DCA, <input type="checkbox"/> EOB <input type="checkbox"/> Ethanol	Purgeable Halocarbons (NVOCS) EPA 8021 by 82608	Volatile Organics GC/MS (VOCs) <input checked="" type="checkbox"/> EPA 8260B <input type="checkbox"/> 624	Semivolatiles GC/MS <input type="checkbox"/> EPA 8270 <input type="checkbox"/> 625	Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Total	Pesticides <input type="checkbox"/> EPA 8081 <input type="checkbox"/> 608 <input type="checkbox"/> PCBs <input type="checkbox"/> EPA 8082 <input type="checkbox"/> 606	PNA's by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	CAM17 Metals (EPA 80107470/7471)	Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other:	Low Level Metals by EPA 200.00020 (ICP-MS):	W.E.T (STLO) <input type="checkbox"/> TCLP	Hexavalent Chromium pH (24h hold time for H ₂ O)	Spec Cond. <input type="checkbox"/> Alkalinity TSS <input type="checkbox"/> TDS <input type="checkbox"/>	Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO ₄ <input type="checkbox"/> NO ₃ <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO ₂ <input type="checkbox"/> PO ₄	Number of Containers	
AFC 1	8/22/07	10:00 AM	W				X		X						X								
AFC 2		11:00 AM	W				X		X						X								
AFC 3		12:00 PM	W				X		X						X								
AFC 4		12:30 PM	W				X		X						X								
AFC Blank									HOLD														

Page 36 of 37

Project Info.		Sample Receipt		1) Relinquished by:			2) Relinquished by:			3) Relinquished by:						
Project Name: <u>AFC</u>		# of Containers:		Signature: <u>Chris Wab, CCM</u>			Signature			Signature						
Project#: _____		Head Space:		Time: <u>8/22/07</u>			Time			Time						
PO#: <u>Pay w/ receipt of Invoice</u>		Temp: <u>26 < 4 hrs</u>		Printed Name: <u>APSI, Inc.</u>			Printed Name			Printed Name						
Credit Card#: _____		Conforms to record:		Company: _____			Company			Company						
T A T	5 Day	72h	48h	24h	Other:			1) Received by: <u>Shan Muller 1340</u>			2) Received by:			3) Received by:		
Report: <input type="checkbox"/> Routine <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> EDD <input type="checkbox"/> State Tank Fund EDF		Special Instructions / Comments:		Signature: <u>Shan Muller</u>			Signature			Signature						
				Time: <u>8-22-07</u>			Time			Time						
				Printed Name: <u>TAL SF</u>			Printed Name			Printed Name						
				Company: _____			Company			Company						

See Terms and Conditions on reverse
 *STL SF reports 8015M from Co-Cu (industry norm). Default for 8015M is C.

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Analytical Planning Services, Inc.

Job Number: 720-10452-1

Login Number: 10452

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ATTACHMENT D

DRILLING PERMIT

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 08/01/2007 By jamesy

Permit Numbers: W2007-0881
Permits Valid from 08/22/2007 to 08/23/2007

Application Id: 1185814757156
Site Location: Alameda Federal Center
620 Central Avenue

City of Project Site: Alameda

Project Start Date: Alameda, Ca.
08/22/2007

Completion Date: 08/23/2007

Applicant: General Services Administration - Tom Fletcher
450 Golden Gate Avenue, 3rd Floor, San Francisco, CA 94102

Phone: 415-317-5851

Property Owner: Tom Fletcher
GSA, 450-Golden Gate Ave., 3rd Flr., San Francisco, CA 94102

Phone: 415-317-5851

Client: Christopher Chris Wade
2393 Trellis Lane, Turlock, CA 95382

Phone: 408-250-4828

Contact: Christopher Wade

Phone: 408-250-4828

Cell: 408-250-4828

Receipt Number: Total Due: \$200.00
Total Amount Paid: \$0.00
Payment Type: EXMPT PAYMENT EXEMPT

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 4 Boreholes
Driller: Vironex Inc. - Lic #: 705927 - Method: DP

Work Total: \$200.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2007-0881	08/01/2007	11/20/2007	4	2.00 in.	15.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact George Bolton for an inspection time at 510-670-5594 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled,

Alameda County Public Works Agency - Water Resources Well Permit

properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

7. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

ATTACHMENT E

EDCC REPORTS AND SUBMISSION CONFIRMATION DATA

Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

UPLOADING A GEO_MAP FILE

YOUR IMAGE UPLOAD WAS SUCCESSFUL!

Facility Name:	UNKNOWN
Global ID:	SL0600100090
Submittal Type:	GEO_MAP
Submittal Date/Time:	2/8/2008 3:30:31 PM
Confirmation Number:	9634108603

Click [here](#) to view the image.

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CONTACT SITE [ADMINISTRATOR](#).

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% n/a
 MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% n/a
 SURROGATE SPIKES % RECOVERY BETWEEN 85-115% N
 BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% n/a
 MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% n/a
 SURROGATE SPIKES % RECOVERY BETWEEN 70-125% n/a
 BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% n/a

FIELD QC SAMPLES

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS > REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as JONASINC (AUTH_RP)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

[Main Menu](#) |
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 [Upload EDD](#) |
 [Check EDD](#)

Your EDF file has been successfully uploaded!

Confirmation Number: 7977861702

Date/Time of Submittal: 2/8/2008 2:56:53 PM

Facility Global ID: SL0600100090

Facility Name: ALAMEDA FEDERAL CENTER - BLDG 4

Submittal Title: Lab Data

Submittal Type: Additional Information Report

Click [here](#) to view the detections report for this upload.

Regional Board

Local Agency

CONF #	TITLE	QUARTER
7977861702	Lab Data	Q3 2007
SUBMITTED BY	SUBMIT DATE	STATUS
Sami Malaeb	2/8/2008	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	4
# FIELD POINTS WITH DETECTIONS	4
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED SW6010B,SW7470A,SW8015B,SW8260B
 TESTED FOR REQUIRED ANALYTES? N

MISSING PARAMETERS NOT TESTED:

- SW8015B REQUIRES ETBE TO BE TESTED
- SW8015B REQUIRES TAME TO BE TESTED
- SW8015B REQUIRES DIPE TO BE TESTED
- SW8015B REQUIRES TBA TO BE TESTED
- SW8260B REQUIRES ETBE TO BE TESTED
- SW8260B REQUIRES TAME TO BE TESTED
- SW8260B REQUIRES DIPE TO BE TESTED
- SW8260B REQUIRES TBA TO BE TESTED

LAB NOTE DATA QUALIFIERS N

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	N
- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	Y
- SURROGATE SPIKE - NON-STANDARD SURROGATE USED	Y

Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

UPLOADING A GEO_REPORT FILE

YOUR DOCUMENT UPLOAD WAS SUCCESSFUL!

Facility Name:	UNKNOWN
Global ID:	SL0600100090
Title:	Site Characterization Report
Document Type:	Reports - Investigation Rpt.
Submittal Type:	GEO_REPORT
Submittal Date/Time:	2/8/2008 3:43:03 PM
Confirmation Number:	3876952946

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