FUGRO WEST, INC.

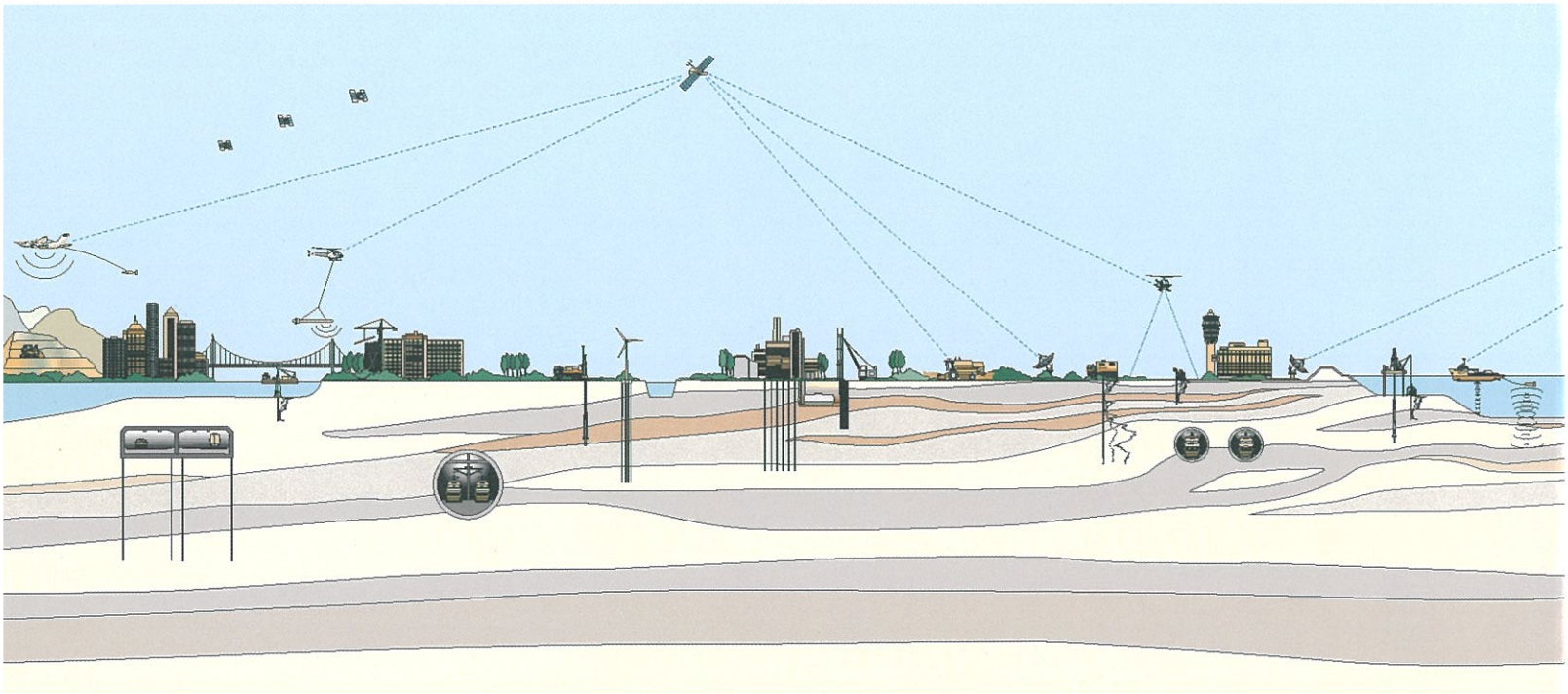
ADDITIONAL SITE STUDY REPORT
2801 MacARTHUR BOULEVARD
OAKLAND, CALIFORNIA

StID 23

Prepared for:
ALAMEDA COUNTY ENVIRONMENTAL HEALTH

JULY 2006

Fugro Project No. 838.006



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July 28, 2006
Project No. 838.006

Alameda County Environmental Health
1161 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Attention: Mr. Donald Hwang, Hazardous Materials Specialist

Subject: Additional Site Study Report, 2801 MacArthur Boulevard, Oakland, California StID Number 23

Dear Mr. Hwang:

Please find attached Fugro West, Inc.'s, Additional Site Study Report documenting the additional investigation activities conducted at 2801 MacArthur Boulevard in Oakland, California (Site). This investigation was conducted as requested by the Alameda County Environmental Health, to further characterize soil and groundwater conditions onsite. This investigation and resulting report were completed in accordance with Fugro's Work Plan dated October 11, 2005, as approved by the Alameda County Environmental Health (ACEH) in their letter dated March 31, 2006. The results of the site activities described herein are in our professional judgment, representative of the soil and groundwater conditions at the Site.

Should you have any questions, comments, or require additional information, please do not hesitate to contact us at (510) 268-0461.

Sincerely,

FUGRO WEST, INC.

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Project Geologist

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CONTENTS

TABLES

CONTENTS – CONTINUED

PLATES

APPENDICES

LIST OF ACRONYMS AND ABBREVIATIONS

ACEH	Alameda County Environmental Health
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
DCA	1,2-Dichloroethane, also know as EDC
DIPE	Di-isopropyl ether
EDB	1,2-Dibromoethane
EDC	1,2-Dichloroethane
ETBE	ethyl tert-butyl ether
ESLs	Environmental Screening Levels
mg/kg	milligrams per kilogram = ppm
MCL	Maximum Contaminant Levels
MTBE	Methyl tert butyl ether
OVM	organic vapor meter
ppm	parts per million
QA/QC	Quality Assurance/Quality Control
RWQCB	Regional Water Quality Control Board
RPD	Relative Percentage Difference
TBA	tert-butanol
TAME	tert amyl methyl ether
TPH	total petroleum hydrocarbons
TPHd	total petroleum hydrocarbons as diesel fuel
TPHg	total petroleum hydrocarbons as gasoline
TPHmo	total petroleum hydrocarbons as motor oil
µg/kg	micrograms per kilogram
µg/l	micrograms per liter
ULR	Urban Land Redevelopment
USA	Underground Services Alert
UST	underground storage tank
USCS	Unified Soil Classification System

1.0 INTRODUCTION

With this report, Fugro West, Inc., (Fugro) presents the results of the Additional Site Study at 2801 MacArthur Boulevard in Oakland, California (Site). The Site location is shown on the vicinity map (Plate 1). Results of this investigation are to be used to supplement data gaps and assess the vertical and horizontal extent of impacts onsite. This investigation was completed in accordance with Fugro's Work Plan dated October 11, 2005, as approved by Alameda County Environmental Health (ACEH) in their letter dated March 31, 2006. Fugro was retained by The APA Fund to conduct this investigation. The APA Fund was the former Site owner.

2.0 LIMITATIONS

Fugro has prepared this report in a professional manner, using that degree of skill and care exercised for similar projects under similar conditions by reputable and competent environmental consultants. Fugro shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time the report was prepared. Fugro also notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report. Fugro believes that conclusions stated herein to be factual, but no guarantee is made or implied. This report has been prepared for the benefit of our client, The APA Fund and ACEH.

3.0 SITE DESCRIPTION

The Site occupies the western third of the parcel bounded by MacArthur Boulevard to the north, Coolidge Avenue to the west, Georgia Street to the south, and residential properties to the east. Remnants of a former gasoline service station, including the station building and canopy, occupy this portion of the parcel. Currently, the station building is being used by an auto repair business. The eastern portion of the parcel is occupied by a strip mall shopping center. Asphalt concrete paved parking areas occupy the open portions of the parcel. The Site is commercially zoned, and surrounding properties are primarily commercial; however, residential structures exist northwest along Coolidge Avenue, south and southwest of the Site across Georgia Street.

The Site is located within an upland area near the western flank of the Oakland Hills. The topography of the area is characterized by rolling terrace deposits. The Site is underlain by interbedded alluvial soils comprising stiff to very hard sandy clays, clayey and sandy silts, dense clayey sands and gravels.

Historical groundwater depths have ranged from approximately 21 to 41 feet below ground surface (bgs). The groundwater flow direction based on historical data has consistently been to the south and southeast. Based on the most recent groundwater-monitoring event (June 2006), the depth to groundwater ranged from approximately 23 to 31 feet bgs, and the

groundwater flow direction was towards the south and southeast. The current data is consistent with the historical range in depth to groundwater and flow directions.

4.0 OVERVIEW OF UST REMOVAL, REMEDIATION, AND INVESTIGATIONS

In May 1989, three underground storage tanks (USTs) and associated fuel dispensing equipment were removed from the Site (Plate 2). Approximately 435 cubic yards of fuel-impacted soils were also subsequently excavated, and removed from the Site and clean fill was replaced into the resulting excavation. Groundwater monitoring performed at the Site between 1990 and 1996 showed that a dissolved gasoline plume had migrated about 150 feet down gradient from the source area. Subsurface Consultants, Inc., (SCI) (a wholly-owned subsidiary of Fugro West, Inc.) performed a Tier 2 Risk Assessment (October 28, 1997), which indicated that the impacted material onsite appeared to pose no significant risk to human health or the environment considering the commercial use of the property.

Following discussions with ACEH regarding their concerns with respect to a lack of data in the area of the former pump islands; SCI prepared a Work Plan (April 7, 1998) to perform an additional subsurface investigation to evaluate soil and soil gas concentrations in the area of the former Boring B-9 and the pump islands. Results of the field investigation presented in the SCI report dated February 1, 1999, suggested that soil impacts in the area of the former waste oil tank had decreased as a result of source removal and ongoing natural degradation; however, residual soils containing elevated concentrations of gasoline and BTEX still remained in place below the former pump island area.

SCI prepared a Corrective Action Plan (CAP) dated August 13, 1999, which was approved by the ACEH in their letter dated August 20, 1999. Remedial actions, including excavation of impacted soils north of the former station building and in the vicinity of the former pump islands, were implemented in November 2000 by WRS Consultants, and observed by Chaney, Walton and McCall LLC. Review of reports documenting remediation suggests the following:

- Approximately 800 cubic yards of impacted soil to a depth of 15 to 18 feet bgs was excavated and removed from the area north of the former station building as shown on Plate 2.
- The resulting excavation was backfilled with clean, imported soil.
- Piezometer P-3 was decommissioned during remediation activities (Fugro contacted the Alameda County Department of Public Works and retrieved a copy of the well decommissioning permit. A copy of the permit is included in Appendix A).

It was subsequently observed that the backfilled area failed to meet the required specifications resulting in subsidence of the former excavation area. In 2001, Geomatrix was retained to observe the re-excavation and re-compaction of imported materials in the excavation area north of the existing building. Geomatrix (January 2, 2002) confirmed that the previous excavation measured approximately 30 feet by 50 feet in plan dimension and extended to a depth of between 15 to 18 feet bgs. Additional historical data is presented in Appendix E.

In June 2005, Fugro was retained by The APA Fund to participate in discussions with the ACEH and representatives of The APA Fund regarding Site conditions, regulatory concerns, and future redevelopment plans. In their letter dated July 2005, ACEH requested a Work Plan for supplemental soil and groundwater characterization, including implementation of groundwater monitoring for wells onsite.

Fugro prepared a Work Plan to address ACEH requirements for additional site study. In our Work Plan dated October 11, 2005, Fugro proposed the following:

- Locate and rehabilitate existing monitoring wells onsite;
- Decommission monitoring well M-3 located approximately 160 feet east of the former tank area;
- Advance five to eight borings (depending on our ability to locate wells M-1 and M-2), to facilitate collection of soil and grab groundwater samples;
- Conduct concurrent groundwater monitoring; and
- Preparing this report.

In their March 31, 2006, letter, ACEH approved Fugro's Work Plan on condition that additional soil samples be collected and analyzed at changes in lithology. Copies of pertinent ACEH letters are included in Appendix F. The intent of this condition has substantially been met by the study described in Sections 5.0, 6.0, 7.0, and 8.0.

5.0 FIELD ACTIVITIES

Fugro retained the services of OHJ Subsurface Locators (OHJ), a private utility locator, to screen the suspected locations of monitoring wells M-1, M-2, and P-1. OHJ located metallic anomalies in the locations of M-1 and P-1 but was unable to locate any subsurface anomaly in the area of well M-2. Once located, Fugro retained Controlled Environmental Services (CES), a State of California licensed contractor, to confirm that wells were still present and to rehabilitate wells M-1 and P-1, which had been paved over. CES also restored and rehabilitated the well boxes at wells P-2 and M-4. Monitoring wells were rehabilitated by digging out, replacing, and raising the well boxes. The respective well casings were not disturbed.

Prior to commencement of subsurface drilling activities, Fugro obtained drilling permits from the Alameda County Water Resources Department (County). Copies of these permits are presented in Appendix A. Fugro alerted the Underground Service Alert (USA) at least 48 hours prior to intrusive field activities and retained OHJ to clear all proposed sampling locations.

Clearheart Drilling Inc., (Clearheart), a State of California licensed drilling contractor, conducted drilling activities. Field activities were conducted between June 19 and 23, 2006, under the supervision of Fugro field personnel. Field activities were conducted using standard industry practices regarding worker health and safety. Clearheart advanced six soil borings (B-13 to B-18) to depths ranging from 45 to 60 feet bgs using hollow-stem-auger drilling methods. Soil samples were collected using clean stainless steel tubes, sealed with Teflon® tape and plastic end caps, and stored in an ice-chilled chest pending delivery to the analytical

testing laboratory. In general, discrete soil samples were collected and retained from observed changes in lithology and areas of potential contamination. Sampling equipment was steam cleaned between holes to prevent cross contamination. Fugro's field geologist screened soil samples in the field using an organic vapor meter (OVM), and logged and classified the samples in accordance with the Unified Soil Classification System (USCS). The USCS key and boring logs for each of the six borings are presented in Appendix B. Boring locations are illustrated on Plate 2.

Following completion of drilling activities, slotted PVC casings were installed in each boring to facilitate groundwater collection. Fugro collected seven grab groundwater samples. One grab sample was collected from each of the following borings: B-13, B-14, B-16, B-17, and B-18. Two grab samples were collected from Boring B-15. Water was immediately observed during drilling activities in Borings B-13, B-14, and B-18, and sufficient groundwater infiltration allowed these borings to be sampled upon completion of drilling activities the same day. Initially Fugro observed that groundwater was recharging slowly in Boring B-15, the water level encountered during drilling activities was at 45 feet bgs. To check whether the concentrations would be significantly altered once the boring fully recharged, the casing was left in the ground overnight. The stabilized water level in Boring B-15 the next day was 24 feet bgs and a second sample was collected. No groundwater was encountered during drilling activities at Borings B-16 and B-17. The casings were left in place; the borehole was secured and left open overnight to facilitate groundwater recharge. Groundwater samples were collected from these boring the following day, when observed water levels were approximately 25 to 30 feet bgs. Grab groundwater samples were collected using clean disposable bailers, decanted into clean laboratory provided containers, and stored in an ice-chilled chest pending delivery to the analytical testing laboratory. After collection of grab groundwater samples, the casings were removed and each boring was backfilled with neat cement grout and the surface restored to previous conditions.

Fugro also conducted concurrent groundwater monitoring for four wells onsite (M-1, M-4, P-1, and P-2), as well as two offsite down-gradient wells (M-5 and M-6). Depth to groundwater during this event ranged from 23 to 31 feet bgs. Groundwater elevation data is presented in Table 4.

Prior to sampling activities, depth to groundwater was measured, and each well was purged of at least 3 well casing volumes while monitoring dissolved oxygen, pH, and conductivity. Each well was allowed to recharge to at least 80 percent of the measured pre-purge groundwater elevation prior to sample collection. Well sampling forms are presented in Appendix D. Groundwater samples were collected using clean disposable bailers and decanted into laboratory prepared containers. Samples were stored in an ice-chilled chest pending delivery to the chemical testing laboratory.

Fugro retained Clearheart to decommission former monitoring well M-3 in accordance with our Work Plan and County requirements. Prior to field activities, Fugro obtained a well decommissioning permit from the County. A copy of the permit is included in Appendix A. Prior to decommissioning; the well was sounded to ensure that no obstructions were present. Total depth of this well prior to decommissioning was approximately 40 feet bgs. The original

installation depth was approximately 45 feet bgs. The well was decommissioned using a tremie hose and neat cement grout. After grouting up the well casing and well box, Clearheart over-drilled the metal well box and filled the resulting hole with quick setting concrete. A copy of the DWR –188 well decommissioning form is included in Appendix D.

Investigation derived soil cuttings, purge and decontamination water was placed in labeled Department of Transportation approved 55-gallon drums, which were stored south of the former station building, pending chemical classification and offsite disposal.

6.0 SUBSURFACE CONDITIONS

This section describes the soil, groundwater, and field observations made during the site investigation.

Investigation activities generally encountered a pavement section comprising of surface asphalt over baserock with a combined thickness ranging from 6 to 8 inches across the site. Except for Boring B-18 located in the former remediation area, the pavement section was underlain by firm to stiff alluvial soils grading between sandy and gravely clays to depths of about 25 to 30 feet bgs. At Borings B-13 and B-14, located southwest of the former remediation excavation area, sandy to gravely clays were underlain by silty sand and gravel (B-13), and silty sand (B-14) to about 35 and 34 feet bgs, respectively. These deep layers were in-turn underlain at both boring locations by hard clay to the maximum depth explored. At Borings B-15, B-16, and B-17, the pavement section was underlain by hard sandy clays and dense clayey sands to the maximum depth explored. At Boring B-18, located within the former remediation excavation area, the pavement section was underlain by packed excavation backfill material to a depth of about 15 feet bgs. This material was underlain by very stiff to hard sandy clays and dense clayey sands to the maximum depth explored.

Fugro's field geologist observed discolored (green) clayey sand, and sandy clay, possessing mild to strong hydrocarbon odors and OVM readings of up to 252, 359, and 350 parts per million (ppm) in Borings B-15, B-16, and B-18, respectively. Discolored soils with staining, hydrocarbon odors, and elevated OVM readings were encountered between 30 and 40 feet bgs in Borings B-15 and B-16, and were encountered between 15 and 45 feet bgs in Boring B-18. No odors or OVM readings were detected in any of the other soil samples screened during this investigation.

Groundwater was encountered at 15 feet bgs in Boring B-18, and between 36 and 60 feet bgs in the remaining boring locations. With the exception of Boring B-18, we generally observed slow groundwater recharge during drilling activities. Borings B-16 and B-17 had to be allowed to recharge overnight prior to sample collection.

Groundwater depths, during the June 2006 groundwater monitoring activities, ranged from 23 to 41 feet bgs. During this monitoring, event wells M-1, M-5, and M-6 had to recharge overnight prior to sample collection. Fugro's field geologist observed strong hydrocarbon odors from well P-2. Slow recharge of groundwater as observed during drilling activities, and slow recharge of groundwater monitoring wells is consistent with characteristics of a tight soil

formation with low transmissivity. The slow recharge conditions at this site have historically been observed and documented by Fugro and other consultants over the past 15 years.

7.0 CHEMICAL TESTING PROGRAM

Select soil and groundwater samples were delivered under chain-of-custody documentation to Advanced Technology Laboratories, a State of California certified chemical testing laboratory.

7.1 SOIL SAMPLES

A total of 50 soil samples were submitted for chemical analyses. Samples were analyzed for all of the following:

- Total petroleum hydrocarbons as gasoline (TPHg) using EPA Method 8015m;
- Total petroleum hydrocarbons as diesel (TPHd) and total petroleum hydrocarbons TPH) as motor oil (TPHmo) using EPA Method 8015m with silica-gel cleanup;
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) using EPA Method 8260;
- Five fuel oxygenates using EPA Method 8260 including:
    - Methyl tert butyl ether (MTBE);
    - Di-isopropyl ether (DIPE);
    - Ethyl tert-butyl ether (ETBE);
    - Tert-amyl methyl ether (TAME); and
    - Tert-butanol (TBA).
- Lead scavengers using EPA Method 8260 including:
    - 1-2, Dibromoethane (EDB); and
    - 1-2, Dichloroethane (DCA).

In addition five of the fifty samples were re-analyzed for TPHg as duplicates for purposes of our QA/QC program. One specific duplicate sample was selected for each day of field sampling.

Five soil samples were also tested for the following soil properties to further evaluate the ability of the groundwater fluctuation zone to transmit flow:

- Grain size distribution;
- Bulk density;
- Moisture content; and
- Porosity.

7.2 GRAB GROUNDWATER SAMPLES

A total of 11 grab groundwater samples including four duplicate samples (one for each day of field sampling) were submitted for chemical analysis. Samples were analyzed for the following:

- Total petroleum hydrocarbons as gasoline (TPHg) using EPA Method 8015m;
- Total petroleum hydrocarbons as diesel (TPHd) and total petroleum hydrocarbons (TPH) as motor oil (TPHmo) using EPA Method 8015m with silica-gel cleanup;
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) using EPA Method 8260;
- Five fuel oxygenates using EPA Method 8260 including:
    - Methyl tert butyl ether (MTBE);
    - Di-isopropyl ether (DIPE);
    - Ethyl tert-butyl ether (ETBE);
    - Tert-amyl methyl ether (TAME); and
    - Tert-butanol (TBA).
- Lead scavengers using EPA Method 8260 including:
    - 1-2, Dibromoethane (EDB); and
    - 1-2, Dichloroethane (DCA).

7.3 GROUNDWATER SAMPLES

A total of six groundwater samples were collected from four monitoring wells onsite, and two wells offsite, and submitted for chemical analysis. Samples were analyzed for the following:

- Total petroleum hydrocarbons as gasoline (TPHg) using EPA Method 8015m;
- Total petroleum hydrocarbons as diesel (TPHd) and total petroleum hydrocarbons (TPH) as motor oil (TPHmo) using EPA Method 8015m with silica-gel cleanup;
- Five fuel oxygenates using EPA Method 8260 including:
    - Methyl tert butyl ether (MTBE);
    - Di-isopropyl ether (DIPE);
    - Ethyl tert-butyl ether (ETBE);
    - Tert-amyl methyl ether (TAME); and
    - Tert-butanol (TBA).
- Lead scavengers using EPA Method 8260 including:
    - 1-2, Dibromoethane (EDB); and
    - 1-2, Dichloroethane (DCA).

8.0 RESULTS OF ANALYSES

This section presents the results of chemical analyses on soil and groundwater samples.

8.1 DATA QUALITY

Fugro reviewed the laboratory quality assurance and quality control (QA/QC) report, and confirmed that all samples were received intact and at the proper temperature. The laboratory QA/QC report also indicated that no analytical or quality control issues were encountered during analysis and reporting of these results. To assess the completeness of the data, Fugro cross-checked all chain-of-custody documents and the laboratory reports, and verified that all requested tests were completed.

Fugro also instructed the chemical testing laboratory to analyze five duplicate soil samples and four duplicate groundwater samples. Duplicate samples were collected at a rate of one sample per day of field sampling. The resulting Relative Percentage Difference (RPD) values for these soil samples ranged from 0 percent to 21 percent while resulting RPD values for the groundwater range from 0 percent to 16 percent. These results indicate that the testing laboratory results are considered to be accurate and valid. Results of RPD calculations are presented in Table 5.

8.2 RESULTS OF CHEMICAL ANALYSIS - SOIL

Laboratory analytical reports are presented in Appendix C. Results of chemical analyses on soil samples are presented in Table 1 and summarized below. The table includes various regulatory threshold concentrations for comparison purposes.

Analysis detected TPHd concentrations ranging from 1.2 to 43 milligrams per kilogram (mg/kg) in samples from Borings B-13, B-14, B-15, B-16, and B-17. Detected TPHd concentrations in Boring B-18 ranged from 1.2 mg/kg in B-18 @41 feet to 460 mg/kg in B-18 @18 feet. Detected TPHmo concentrations ranged from 1.2 mg/kg to 64 mg/kg in all soil samples tested. No TPHg was detected in any of the samples from Borings B-13, B-14, and B-17. Detected TPHg concentrations in the remaining samples ranged from 1.0 mg/kg in B-16 @35 feet to 2,000 mg/kg in B-18 @20 feet.

No BTEX was detected in any of the samples from Borings B-13, B-14, and B-17. No benzene or toluene was detected in any samples from Boring B-15. For the remaining borings, analysis detected benzene concentrations ranging from 11 micrograms per kilogram (μg/kg) (B-16 @35) to 18,000 μg/kg (B-18 @20). Detected toluene concentrations in Borings B-16 and B-18 ranged from 18 μg/kg (B-18 @41) to 130,000 μg/kg (B-18 @20). Analysis detected ethylbenzene concentrations ranging from 5.4 μg/kg (B-16 @25) to 34,000 μg/kg (B-18 @20). Except for 29 μg/kg of total xylenes detected in sample B-15 @30, no total xylenes concentrations were detected in any of the remaining samples from Borings B-13, B-14, B-15 or B-17. For Borings B-16 and B-18, detected total xylenes concentrations ranged from 38 μg/kg (B-16 @35.5) to 180,000 μg/kg (B-18 @20).

None of the five fuel oxygenates (including MTBE, DIPE, ETBE, TAME, and TBA), or two lead scavengers (EDB and DCA), were detected in any of the soil samples tested during this investigation.

8.2.1 Results of Physical Property Tests

Results of grain size distribution and hydrometer tests on selected soil samples from the groundwater fluctuation zone present in Boring B-13 (15.5, 25.5 and 30 feet bgs) indicates that these samples would be classified as clay with sand, clayey sand, and silty clayey sand, respectively. Two samples tested from Boring B-14 (15 and 30 feet bgs) would be classified as sandy clay and silty clayey sand, respectively. These classifications are generally consistent with soils observed during the site investigation and as indicated on our boring logs for soils situated between depths of 15 and 45 feet bgs. Results of soil property analysis are presented in Appendix C.

The results of the specific gravity, porosity and dry unit weight tests further suggests that the subsurface soils are denser than the default soil profiles used in development of the Environmental Screening Levels (ESLs) established by the San Francisco Regional Water Quality Control Board (RWQCB) and Urban Land Redevelopment (ULR) threshold values established by the City of Oakland Public Works Agency. A denser soil would effectively imply that a tighter formation material is present. In addition, the results of the hydrometer tests suggest that the onsite soils have a higher percentage of fine-grained materials (silt and clay sized particles) than the default soil profiles.

A comparison of selected physical characteristics of onsite soils, to characteristics of soil used to create indoor air URL and ESL screening levels to which comparisons of the Site data have been made, are presented below.

	URL Tier 2 Default Parameters For Indoor Air Infiltration Model	ESL Default Parameters For Indoor Air Infiltration Model	Site Range
Porosity	0.50	0.43	0.30 - 0.33
Bulk Density	1.33	1.5	1.78 - 1.89
% Passing #200 Sieve (aka Percent Fines)	10%[a]	10% [a]	34-55%

[a] = For comparison, inferred input parameters for clean sand with less than 10% fines.

The presence of tighter formation materials would suggest that 1) lower vapor emissions would be expected from the formation than the levels presented in the ESL and ULR documentation, and 2) the formation materials would tend to retard vapor and groundwater migration. These data further support our findings that the plume is relatively stable and stationary, as it is being controlled by site stratigraphy.

8.2.2 Comparison of Detected Chemicals of Concern to Regulatory Guidance

Based on the results of physical properties tests, and field observations, detected concentrations of chemicals of concern in soil were compared to screening values established for sites underlain by characteristic fine-grained materials. Comparisons have been made to ESLs values for sites with “Low/moderate Permeability”, while ULR comparisons were made to

Tier 2 screening levels established for “Clayey Silts”. The onsite data, however, suggests that these selected profiles would effectively over-estimate emission data.

Results of this site study and a review of data from previous studies suggest that residual petroleum hydrocarbon impacted soil with elevated gasoline and BTEX concentrations is limited to two areas: vicinity of Borings B-18 and B-16. At Boring B-18 below the former pump islands impacted soil exists from the bottom of the previous remediation investigation area (about 15 feet bgs) to a depth of 36 feet bgs. Residual impacted soil was also observed at Boring B-16 at 30 feet bgs. Fugro understands that the Site is being considered for redevelopment by the current property owner. However, no commercial or living areas will be located below grade or in any proximity to the impacted soil located at least 15 feet bgs. As a result, hydrocarbon impacted soils do not pose a risk to human health via a direct contact pathway in either a residential or a commercial scenario. Potential human direct contact with these impacted soils is thus substantially limited to future construction/trench workers.

Another exposure pathway to evaluate is the potential infiltration of resulting soil gas vapors into indoor air. No applicable indoor air ESLs currently exist for TPHd, TPHmo, and TPHg in soil. No applicable TPHd, TPHmo or TPHg City of Oakland ULR screening levels currently exist.

None of the detected TPHd, TPHmo, or TPHg concentrations exceeded the ESLs established by the San Francisco RWQCB for protection of a construction/trench worker.

Only one of the 55 soil samples analyzed, (B-18 @20.0 (18,000 μg/kg)), detected benzene concentrations just above the 16,000 μg/kg direct contact ESL for protection of a construction/trench worker. Detected concentrations of benzene in one sample from Boring B-16 (B-16 @30’), and four samples from B-18 (samples between 18 and 30.5 feet bgs), exceed the ESL indoor air guidance criteria for protection of human health in residential and/or commercial scenarios. However, only the one sample from Boring B-16 (30 feet bgs) and two of the samples from Boring B-18 (18 and 20 feet bgs) exceed the 1,900 μg/kg benzene concentration indicated by the City of Oakland ULR guidance level for protection of indoor air in a residential scenario.

Toluene, ethylbenzene, and total xylene concentrations are all below their respective direct contact ESLs for protection of a construction/trench worker. Detected toluene, ethylbenzene, and total xylenes concentrations were all below their respective indoor air ESLs for residential and commercial scenarios. Detected concentrations of these compounds are also below their respective ULR screening levels for the protection of indoor air in a residential scenario.

No MTBE, DIPE, ETBE, TAME, TBA, EDB, or DCA were detected and as such neither the established ESL and/or ULR direct contact values for construction/trench workers, nor indoor air guidance for protection of human health in residential or commercial scenarios was exceeded.

8.3 RESULTS OF CHEMICAL ANALYSIS - GROUNDWATER

Laboratory analytical reports are presented in Appendix C. Results of chemical analysis conducted for groundwater samples during this investigation are presented in Tables 2 and 3, and summarized below. The tables include various regulatory concentrations for comparison purposes.

As requested by ACEH, detected chemicals of concern in groundwater are presented on individual iso-concentration plots. Plots are presented on Plates 4 through 12.

8.3.1 Grab Groundwater

Analysis detected TPHd concentrations ranging from 55 micrograms per liter (μg/l) to 5,000 μg/l. No TPHmo was detected in samples B-13, B-14, or B-15. Detected TPHmo concentrations for the remaining samples ranged from 100 μg/l to 130 μg/l. Analyses also detected no TPHg in sample B-13. Detected TPHg concentrations in the remaining borings ranged from 59 μg/l to 34,000 μg/l.

Fugro collected two grab groundwater samples from Boring B-15. One sample (B-15) was collected directly following drilling activities, and the second sample (B-15 @24) was collected from the same boring the following day when an increase in the static water level elevation was noted from the value recorded the previous day. Groundwater was encountered at 45 feet during drilling, recovered to approximately 34 feet prior to obtaining the first sample, and was recorded at 24 feet bgs the following day. Data suggests that there is no appreciable difference in the samples from different depths, and recovery time has no significant effect on data. This provides supplemental concurrence with the findings presented in Fugro's Evaluation of Submerged Monitoring Wells Screens dated December 2005.

No BTEX was detected in samples B-13 or B-14. No benzene, toluene or total xylenes concentrations were detected in the sample from Boring B-17. For the remaining samples, analysis detected benzene concentrations ranging from 6.2 μg/l to 2,200 μg/l, ethylbenzene concentrations ranging from 36 μg/l to 1,800 μg/l, toluene concentrations of 1,300 μg/l and 2,600 μg/l, and total xylenes concentrations ranging from 29 μg/l to 5,500 μg/l.

Except for 4.4 μg/l (B-15 @24), 6.8 μg/l (B-15), and 32 μg/l (B-16), no MTBE was detected in any of the samples tested. None of the remaining fuel oxygenates including; DIPE, ETBE, TAME, or TBA was detected in any of the samples tested.

No EDB was detected in any of the samples tested; however analysis detected DCA concentrations ranging from 0.98 μg/l to 4.6 μg/l.

8.3.2 Groundwater Wells

During this event, TPHg was detected in samples from wells P-1 (3,200 μg/l), P-2 (37,000 μg/l), M-1 (2,800 μg/l), M-4 (3,000 μg/l), and M-6 (67 μg/l). TPHd was detected in samples from wells P-1 (610 μg/l), P-2 (2,600 μg/l), M-1 (250 μg/l), M-4 (260 μg/l), and M-6 (69

μg/l). TPHmo was detected in samples from well P-1 (90 μg/l), P-2 (75 μg/l), M-4 (71 μg/l), and M-6 (160 μg/l). No TPHg, TPHd or TPHmo was detected in well M-5.

Analysis detected benzene concentrations in wells P-1 (430 μg/l), P-2 (850 μg/l), and M-4 (480 μg/l). No benzene was detected in wells M-1, M-5, and M-6. Toluene was detected in samples from wells P-1 (2.6 μg/l), P-2 (2,100 μg/l), and M-4 (9.6 μg/l). No toluene was detected in the remaining wells. Analysis detected ethylbenzene in samples from wells P-1 (31 μg/l), P-2 (1,400 μg/l), M-1 (0.53 μg/l), and M-4 (10 μg/l). Total xylenes were detected in samples from wells P-1 (6.4 μg/l), P-2 (6,700 ug/l), M-1 (1.91 μg/l), and M-4 (17.5 μg/l). No ethylbenzene or xylenes were detected in M-5 or M-6.

With the exception of 6.4 μg/l detected in P-1 and 2.3 μg/l detected in M-1, no MTBE concentrations were detected in any of the remaining samples tested during this event. Analysis also detected TBA in P-1 (80 μg/l) and M-4 (32 μg/l). None of the remaining fuel oxygenates were detected in any of the samples analyzed. Except for 2.7 μg/l of DCA in P-2, no lead scavengers (EDB or DCA) were detected in any of the samples tested.

8.3.3 Comparison of Detected Chemicals of Concern to Regulatory Guidance

To select regulatory guidance values with which to compare Site data, Fugro reviewed site conditions, various historical investigations completed onsite, and relied upon our experience with similar sites in the City of Oakland. Based on this analysis, we noted the following;

- No drinking water (municipal, production) or irrigation wells are located onsite. SCI previously conducted a well and sensitive receptor survey indicating that the closest well (an industrial well) was located approximately 1,100 feet north-northwest of the Site. No other wells were noted to exist within 2,000 feet of the Site.
- Results of soil properties tests, historical groundwater monitoring, review of historical boring logs, and boring logs from this investigation indicate that the site is underlain by stiff to very hard sandy clay and clayey silts which have very low permeability and transmissivity. This impedes the rate of migration of the impacted groundwater plume.
- According to a report prepared by David Keith Todd Consulting Engineers, Inc. (1986), groundwater in the Oakland metropolitan area is generally non-portable, due to low transmissivity, low storativity, and the potential for contamination from this densely urbanized location. Consequently no ingestion pathway exists for groundwater onsite, and as a result comparison to Maximum Contaminant Levels (MCL) values has not been included.
- Depth to groundwater in monitoring wells during this investigation ranged from 23 feet to 31 feet bgs (Table 4). Consequently no dermal contact pathway exists for groundwater onsite.

- The site is currently covered by a building and paved parking areas. There are no known ecological receptors onsite. The Curran and Laguna branches of the Peralta Creek are located approximately 600 feet east and west of the site.

Consequently, we believe that detected chemicals of concern in groundwater do not currently pose a risk to the environment, and do not pose a risk to human health through an ingestion pathway. The exposure pathway of potential concern is, in our opinion, inhalation due to vapor intrusion to indoor spaces. Based on the results of physical properties tests, and field observations, detected concentrations of chemicals of concern in groundwater were compared to screening values established for sites underlain by characteristic fine-grained materials. Comparisons have been made to ESLs values for sites with "Low/moderate Permeability", while ULR comparisons were made to Tier 2 screening levels established for "Clayey Silts". The onsite data, however, suggests that these selected profiles would effectively over-estimate emission data.

No applicable indoor air ESLs currently exist for TPHd, TPHmo and TPHg in groundwater. Analysis detected concentrations of benzene in one sample, B-16 (2,200 μg/l), which just exceeds the indoor air ESL of 1,900 μg/l for a residential scenario but is less than the ESL for a commercial scenario (6,400 μg/l), and the ULR screening level (5,600 μg/l) for a residential scenario. . No other detected benzene concentrations in either grab samples or samples from groundwater monitoring wells exceeded the indoor air ESL for a residential or commercial scenario.

Detected concentrations of toluene, ethylbenzene, total xylenes, fuel oxygenates, and lead scavengers are all well below their respective ESL and ULRs guidance for the protection of indoor air in both residential and commercial scenarios.

9.0 SUMMARY OF FINDINGS

Results of our additional soil and groundwater study indicate the following:

- Elevated concentrations of chemicals of concern in soil during this investigation appear to be limited to the vicinity of the former remediation excavation area.
- Residual TPH and BTEX impacted soil exist within the former remediation excavation area as indicated by Boring B-18, from approximately 15 to 36 feet bgs.
- Residual TPH and BTEX impacted soils also exist from approximately 30 to 36 feet bgs as indicated by Boring B-16, directly southeast of the former remediation excavation area.
- Residual hydrocarbon impacted soils located between 15 and 35 feet bgs within the former remediation area continue to impact groundwater onsite.
- Groundwater within the vicinity of the former remediation area is impacted by TPHg, TPHd, and BTEX.

- Low levels of TPHg and TPHd were detected in monitoring well M-6. However, these concentrations are similar to historically detected concentrations, suggesting that the plume is stable and not migrating significantly.
- Detected concentrations in monitoring wells sampled during this event are lower than concentrations detected during the last monitoring event conducted in Spring 2003, with the exception of benzene and ethylbenzene concentrations in P-2 (which are slightly higher).
- Results of field observations recorded on boring logs during this investigation, results of physical property tests conducted on select soil samples, and historical documents indicate that soils onsite consist of native alluvial soils which are very stiff to very hard sandy and silty clays.
- Results of physical property tests conducted on select soil samples, indicate that the soils located within the groundwater fluctuation zone and to depths of about 30 feet bgs are classified as silty, clayey sand, and sandy clay. This is consistent with various field observations conducted onsite by Fugro staff and other consultants over the past 15 years. This data substantiates the claim that the Site is underlain by a very low transmissivity aquifer.
- Results of our current investigation, including soil and grab groundwater sampling as well as groundwater monitoring, in addition to previously conducted site investigations and groundwater monitoring events, indicate that Site conditions have remained stable.

10.0 CONCLUSIONS AND RECOMMENDATIONS

To date, remedial actions have included the following activities aimed at reducing source materials at the Site.

- Tank removal in 1989;
- Removal of pump islands and associated piping in 2000;
- Excavation and offsite disposal of approximately 1,235 cubic yards of soil from the remediation area (2000) and the former tank area (1989); and
- Site excavation areas restored with clean fill and capped.

Although chemicals of concern were detected in soil samples during this investigation, elevated concentrations appeared to be limited to the vicinity of the former remediation excavation area between approximately 15 and 36 feet bgs as observed in Boring B-18.

Remedial actions undertaken by The APA Fund have sufficiently addressed the potential risks posed due to vapor migration given the current commercial use of the Site.

Current and historical groundwater monitoring events suggest that the Site is underlain by a tight, low transmissivity aquifer, with characteristic slow recharge. In the 15 years following various excavation activities, no significant change has been observed in groundwater plume conditions. Consequently, we conclude that the plume is stable.

No drinking water wells, or other ecological receptors exist on or in close proximity to the Site. Results of this investigation and review of historical groundwater data also indicates that groundwater flow direction onsite has consistently been towards the south to southeast. The groundwater flow direction observed during this investigation is presented on Plate 3. Historical groundwater flow direction is presented in a Rose Diagram also presented on Plate 3. Consequently, monitoring wells M-5 and M-6 are properly located down gradient of the Site.

Based on the results of our additional investigation study, and review of available data, Fugro recommends the following:

- Continued groundwater monitoring on a semi-annual basis to monitor Site conditions and confirm continued plume stability.
- Future investigation and cleanup of the Site should be directly related to planned redevelopment. Fugro understands that the current property owner has conceptual plans to redevelop the property for mixed commercial/residential use.
- The scope of any additional investigation and study related to planned redevelopment would include:
    - Collection of soil gas samples to identify whether residual concentrations in source materials pose a threat to the planned future site occupants.
    - If necessary (depending on results of the soil gas sampling study) conduct a human health risk assessment for planned Site occupants given the proposed redevelopment design.

The next semi-annual groundwater monitoring event is scheduled for December 2006. Results of this event will be presented in a stand-alone report to the ACEH in the first quarter of 2007. After the December 2006 semi-annual event, the monitoring program will be re-evaluated to determine the appropriateness of the frequency, testing program and duration of the program.

11.0 REFERENCES

Chaney, Walton & McCall (LLC), Petroleum – Affected Soils Removal and Disposition Report, APA Fund Site Oakland California, dated January 29, 2001.

Fugro West Inc., Work Plan Additional Site Study, 2801 MacArthur Blvd, Oakland California, dated October 11, 2005.

Fugro West Inc., Evaluation of Submerged Monitoring Well Screens, 2801 MacArthur Blvd, Oakland California, dated October 11, 2005.

Geomatrix Consultants, Inc., Results of October 2001 Environmental Soil Sampling, 2801 MacArthur Boulevard Oakland California, dated January 29, 2001.

Oakland, City of, Oakland Urban Land Redevelopment Program: Guidance Documents, dated January 1, 2000.

San Francisco Bay Regional Water Quality Control Board, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater-Interim Final –July 2003.

TABLES

Table 1
Summary of Analytical Data - Soil Samples
2801 MacArthur Blvd
Oakland, CA
838.006

		Samples																		Environmental Screening Levels (ESLs)			ULR
Analyte	Units	B-13 @5.0	B-13 @10.0	B-13 @11.0	B-13 @15.5	B-13 @20.5	B-13 @25.5	B-13 @25.5 Split Sample	B-13 @30.0	B-13 @35.5	B-13 @45.5	B-13 @60.5	B-14 @5.0	B-14 @15.0	B-14 @25.0	B-14 @26.0	B-14 @30.0	B-14 @30.0 Split Sample	B-14 @35.0	Construction Worker Direct Contact*	Residential Indoor Air Impact**	Commercial Indoor Air Impact***	Residential Indoor Air Impact
Hydrocarbons																							
TPHd	mg/kg	**1.2**	**1.2**	<1	<1	<1	**1.4**	--	**1.3**	**1.1**	**1.3**	**1.3**	**1.1**	**1.3**	<1.0	**1.3**	**1.4**	**--**	<1.0	6,000	NA	NA	NE
TPHmo	mg/kg	**2.2**	<1.0	<1.0	<1.0	<1.0	**1.2**	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	15,000	NA	NA	NE
TPHg	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	6,000	NA	NA	NE
Benzene	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	16,000	180	510	1,900
Toluene	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	650,000	130,000	310,000	930,000
Ethylbenzene	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	400,000	390,000	390,000	SAT
Total Xylenes	ug/kg	<15	<15	<15	<15	<15	<15	--	<15	<15	<15	<15	<15	<15	<15	<15	<15	--	<15	420,000	310,000	420,000	SAT
5 Fuel Oxygenates																							
MTBE	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	--	<5	2,500,000	2,000	5,600	14,000,000
1-2, Dibromoethane (EDB)	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	--	<5	4,600	7	20	NE
1,2-Dichloroethane (EDC/DCA)	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	--	<5	31,000	25	70	5,400
Di- isopropyl ether (DIPE)	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	--	<5	NE	NE	NE	NE
Ethyl tert-butyl ether (ETBE)	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	--	<5	NE	NE	NE	NE
Lead Scavengers																							
Tert-amyl methyl ether (TAME)	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5	<5	--	<5	NE	NE	NE	NE
Tert -Butanol (TBA)	ug/kg	<100	<100	<100	<100	<100	<100	--	<100	<100	<100	<100	<100	<100	<100	<100	<100	--	<100	NE	NE	NE	NE

Notes

TPHg = Total volatile hydrocarbons in the gasoline range.
TPHd = Total volatile hydrocarbons in the diesel range.
TPHmo = Total volatile hydrocarbons in the motor oil range.
MTBE = Methyl tert butyl ether
ug/kg = Micrograms per kilogram = parts per billion
mg/kg = Milligrams per kilogram = parts per million
<5 = Analyte not present at a concentration above the stated detection limit.
-- = Sample not analyzed for analyte.
NE = Not Established
SAT = value exceeds saturated soil concentration of chemical

ESL= Environmental Screening Levels Established by The SFRWQCB, February 2005.
SFRWQCB = San Francisco Bay Regional Water Quality Control Board
NA = No applicable value, SFRWQCB requires use of soil gas values to determine potential risk
* = Table K-3: Direct Exposure Screening Levels Construction/Trench Worker Exposure Scenario Interim Final - February 2005
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ULR = City of Oakland Urban Land Reuse Risk Based Screening Levels for Residential Impact, January 2001
Table 7. Oakland Tier 2 Site Specific Target Levels for Clayey Silts

Table 1

Summary of Analytical Data - Soil Samples

2801 MacArthur Blvd

Oakland CA

838.006

		Samples																				Environmental Screening Levels (ESLs)			ULR
Analyte	Units	B-14 @45.0	B-15 @ 5.5	B-15 @ 10.5	B-15 @ 16.0	B-15 @ 20.5	B-15 @ 25.0	B-15 @ 25.0 Split Sample	B-15 @ 30.0	B-15 @ 35.0	B-15 @ 40.5	B-15 @ 45.0	B-16 @5.0	B-16 @15.0	B-16 @20.0	B-16 @25.5	B-16 @30.5	B-16 @30.5 Split sample	B-16 @35.5	B-16 @40.0	B-16 @45.0	B-17 @10	Construction Worker Direct Contact*	Residential Indoor Air Impact**	Commercial Indoor Air Impact***	Residential Indoor Air Impact
Hydrocarbons																									
TPHd	mg/kg	**1.2**	**1**	**1.2**	<1.0	**1.2**	<1.0	--	<1.0	**1.1**	**3.7**	<1.0	**10**	<1.0	<1.0	**1.3**	**43**	--	**2.1**	**1.4**	**1.2**	**1.5**	6,000	NA	NA	NE
TPHmo	mg/kg	<1.0	**1.5**	<1	**1.7**	**2.7**	**1.5**	--	**1.5**	**1.5**	<1	**1.5**	**44**	**1.5**	1.4	**2.4**	**2.9**	--	**3**	**1.9**	**1.7**	**2.4**	15,000	NA	NA	NE
TPHg	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	**9.6**	**57**	**150**	<1.0	<1.0	<1.0	<1.0	<1.0	**630**	**780**	**1.0**	<1.0	<1.0	<1.0	6,000	NA	NA	NE
Benzene	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**2,000**	--	**11**	<5.0	<5.0	<5.0	16,000	180	510	1,900
Toluene	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**650**	--	<5.0	<5.0	<5.0	<5.0	650,000	130,000	310,000	930,000
Ethylbenzene	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--	**29**	**43**	<5.0	<5.0	<5.0	<5.0	<5.0	**5.4**	**32,000**	--	**29**	<5.0	<5.0	<5.0	400,000	390,000	390,000	SAT
Total Xylenes	ug/kg	<15	<15	<15	<15	<15	<15	--	**28**	<15	<15	<15	<15	<15	<15	<15	**118,500**	--	**38**	<15	<15	<15	420,000	310,000	420,000	SAT
5 Fuel Oxygenates																									
MTBE	ug/kg	<5	<5	<5	<5	<5	<5	--	<5	<5	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	2,500,000	2,000	5,600	14,000,000
1-2, Dibromoethane (EDB)	ug/kg	<5	<5	<5	<5	<5	<5	--	<5	<5	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	4,600	7	20	NE
1,2-Dichloroethane (EDC/DCA)	ug/kg	<5	<5	<5	<5	<5	<5	--	<5	<5	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	31,000	25	70	5,400
Di- isopropyl ether (DIPE)	ug/kg	<5	<5	<5	<5	<5	<5	--	<5	<5	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	NE	NE	NE	NE
Ethyl tert-butyl ether (ETBE)	ug/kg	<5	<5	<5	<5	<5	<5	--	<5	<5	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	NE	NE	NE	NE
Lead Scavengers																									
Tert-amyl methyl ether (TAME)	ug/kg	<5	<5	<5	<5	<5	<5	--	<5	<5	<5	<5	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	NE	NE	NE	NE
Tert -Butanol (TBA)	ug/kg	<100	<100	<100	<100	<100	<100	--	<100	<100	<100	<100	<100	<100	<100	<100	<100	--	<100	<100	<100	<100	NE	NE	NE	NE

Notes

TPHg = Total volatile hydrocarbons in the gasoline range.
TPHd = Total volatile hydrocarbons in the diesel range.
TPHmo = Total volatile hydrocarbons in the motor oil range.
MTBE = Methyl tert butyl ether
ug/kg = Micrograms per kilogram = parts per billion
mg/kg = Milligrams per kilogram = parts per million
<5 = Analyte not present at a concentration above the stated detection limit.
-- = Sample not analyzed for analyte.
NE = Not Established
SAT = value exceeds saturated soil concentration of chemical

ESL= Environmental Screening Levels Established by The SFRWQCB, February 2005.
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Table 7. Oakland Tier 2 Site Specific Target Levels for Clayey Silts

Table 1

Summary of Analytical Data - Soil Samples

2801 MacArthur Blvd

Oakland CA

838.006

		Samples																Environmental Screening Levels (ESLs)			ULR
Analyte	Units	B-17 @19.0	B-17 @25.0	B-17 @30.5	B-17 @35.0	B-17 @40.0	B-17 @45.0	B-18 @10.0	B-18 @15.0	B-18 @15.0 Split Sample	B-18 @18.0	B-18 @20.0	B-18 @25.0	B-18 @30.5	B-18 @36.0	B-18 @41.0	B-18 @46.0	Construction Worker Direct Contact*	Residential Indoor Air Impact***	Commercial Indoor Air Impact****	Residential Indoor Air Impact*
Hydrocarbons																					
TPHd	mg/kg	**1.8**	**1.2**	**1.3**	**1.3**	**1.6**	**1.6**	**24**	**22**	--	**460**	**330**	**38**	**1.6**	<1.0	**1.2**	**1.4**	6,000	NA	NA	NE
TPHmo	mg/kg	**2.9**	**1.5**	**2.3**	**1.6**	**2.4**	**2.6**	**63**	**2.6**	--	**7.6**	**16**	**2.4**	**1.9**	**1.2**	**1.2**	**1.6**	15,000	NA	NA	NE
TPHg	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	**450**	**440**	**1,800**	**2,000**	**530**	**580**	**3.3**	<1.0	<1.0	6,000	NA	NA	NE
Benzene	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	--	**11,000**	**18,000**	**1,300**	**980**	**68**	**12**	<5.0	16,000	180	510	1,900
Toluene	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	--	**54,000**	**130,000**	**6,700**	**5,900**	**100**	**18**	<5.0	650,000	130,000	310,000	930,000
Ethylbenzene	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**550**	--	**31,000**	**34,000**	**5,600**	**7,900**	**110**	**10**	<5.0	400,000	390,000	390,000	SAT
Total Xylenes	ug/kg	<15	<15	<15	<15	<15	<15	<15	<750	--	**163,000**	**180,000**	**32,000**	**31,000**	**430**	**73**	<15	420,000	310,000	420,000	SAT
5 Fuel Oxygenates																					
MTBE	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	--	<1000	<1000	<500	<500	<5.0	<5.0	<5.0	2,500,000	2,000	5,600	14,000,000
1-2, Dibromoethane (EDB)	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	--	<1000	<1000	<500	<500	<5.0	<5.0	<5.0	4,600	7	20	NE
1,2-Dichloroethane (EDC/DCA)	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	--	<1000	<1000	<500	<500	<5.0	<5.0	<5.0	31,000	25	70	5,400
Di- isopropyl ether (DIPE)	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	--	<1000	<1000	<500	<500	<5.0	<5.0	<5.0	NE	NE	NE	NE
Ethyl tert-butyl ether (ETBE)	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	--	<1000	<1000	<500	<500	<5.0	<5.0	<5.0	NE	NE	NE	NE
Lead Scavengers																					
Tert-amyl methyl ether (TAME)	ug/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<250	--	<1000	<1000	<500	<500	<5.0	<5.0	<5.0	NE	NE	NE	NE
Tert -Butanol (TBA)	ug/kg	<100	<100	<100	<100	<100	<100	<100	<5000	--	<20000	<20000	<10000	<1000	<100	<100	<100	NE	NE	NE	NE

Notes

TPHg = Total volatile hydrocarbons in the gasoline range.
TPHd = Total volatile hydrocarbons in the diesel range.
TPHmo = Total volatile hydrocarbons in the motor oil range.
MTBE = Methyl tert butyl ether
ug/kg = Micrograms per kilogram = parts per billion
mg/kg = Milligrams per kilogram = parts per million
<5 = Analyte not present at a concentration above the stated detection limit.
-- = Sample not analyzed for analyte.
NE = Not Established
SAT = value exceeds saturated soil concentration of chemical

ESL= Environmental Screening Levels Established by The SFRWQCB, February 2005.
SFRWQCB = San Francisco Bay Regional Water Quality Control Board
NA = No applicable value, SFRWQCB requires use of soil gas values to determine potential risk
* = Table K-3: Direct Exposure Screening Levels Construction/Trench Worker Exposure Scenario Interim Final - February 2005
** = Table E-1b: Soil Screening Levels For Evaluation of Residential Indoor Air Impacts Interim Final - February 2005
*** = Table E-1b: Soil Screening Levels For Evaluation of Commercial Indoor Air Impacts Interim Final - February 2006
ULR = City of Oakland Urban Land Reuse Risk Based Screening Levels for Residential Impact, January 2001
Table 7. Oakland Tier 2 Site Specific Target Levels for Clayey Silts

Table 2
Summary of Analytical Data - Grab Groundwater Samples
2801 MacArthur Boulevard
Oakland, California

		TPH			BTEX				Five Fuel Oxygenates					Lead Scavengers	
Boring Number	**Date Sampled**	**TPHg**	**TPHd***	**TPHmo***	**Benzene**	**Ethylbenzene**	**Toluene**	**Total Xylenes**	**MTBE**	**Di-isopropyl ether (DIPE)**	**Ethyl tert-butyl ether (ETBE)**	**Tert-amyl methyl ether (TAME)**	**Tert - Butanol (TBA)**	**1-2, Dibromoethane (EDB)**	**1,2-Dichloroethane (EDC/DCA)**
		(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
B-13	6/19/2006	<50	**55**	<53	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	**0.98**
B-13 Duplicate		<50	--	--	--	--	--	--	--	--	--	--	--	--	--
B-14	6/20/2006	**78**	**63**	<59	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
B-15	6/20/2006	**7,000**	**1,500**	<56	**6.2**	**36**	<1.0	**29**	**6.8**	<1.0	<1.0	<1.0	<20	<1.0	<1.0
B-15 Duplicate	6/20/2006	**6,900**	--	--	--	--	--	--	--	--	--	--	--	--	--
B-15 @24	6/21/2006	**10,000**	**1,200**	<50	**19**	**78**	<1.0	**72**	**4.4**	<1.0	<1.0	<1.0	<20	<1.0	**2.1**
B-16	6/21/2006	**33,000**	**5,000**	**100**	**2,200**	**1,800**	**1,300**	**5,500**	**32**	<0.5	<0.5	<0.5	<10	<0.5	**4.6**
B-17	6/21/2006	**59**	**88**	**230**	<0.5	**0.6**	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	**2.6**
B-17 Duplicate	6/21/2006	**59**	--	--	--	--	--	--	--	--	--	--	--	--	--
B-18	6/23/2006	**29,000**	**5,200**	**130**	**940**	**470**	**2,600**	**2,980**	<5.0	<0.5	<0.5	<0.5	<100	<0.5	<0.5
B-18 Duplicate	6/23/2006	**34,000**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	--	--	--
Commercial ESLs (Indoor Air)*		NA	NA	NA	6,400	170,000	530,000	160,000	150,000	NE	NE	NE	NA	770	1,700
Residential ESLs (Indoor Air) **		NA	NA	NA	1,900	170,000	530,000	160,000	45,000	NE	NE	NE	NA	230	490
Residential ULRs (Indoor Air)***		NE	NE	NE	5,600	>Sol	>Sol	>Sol	36,000	NE	NE	NE	NE	NE	15,000

Notes

TPHg = Total volatile hydrocarbons in the gasoline range.
TPHd = Total volatile hydrocarbons in the diesel range.
TPHmo = Total volatile hydrocarbons in the motor oil range.
MTBE = Methyl tert butyl ether
ug/l = Micrograms per liter = parts per billion.
<50 = Analyte not present at a concentration above the stated detection limit.
* = Sample exhibits a fuel pattern which does not resemble the standard.
-- = Sample not analyzed for analyte.
NE = Not established
NA = No applicable value, SFRWQCB requires use of soil gas values to determine potential risk

ESL= Environmental Screening Levels Established by The SFRWQCB, February 2005.
SFRWQCB = San Francisco Bay Regional Water Quality Control Board
* = Table E-1a: Groundwater Screening Levels for Evaluation of Potential Commercial Indoor Air Impacts Interim Final - February 2005
** = Table E-1a: Groundwater Screening Levels for Evaluation of Potential Residential Indoor Air Impacts Interim Final - February 2005
*** = City of Oakland Urban Land Reuse (ULR) Risk Based Screening Levels for Residential Indoor Air Impact January 2001, Table 7. Oakland Tier 2 Site Specific Target Levels for Clayey Silts
>Sol = Value exceeds solubility of chemical in water

Table 3
Summary of Analytical Results - Groundwater Well Samples
2801 MacArthur Boulevard
Oakland, California

			TPH			BTEX				Five Fuel Oxygenates					Lead Scavengers	
Sample Location	Sample Date	Elevation (feet)	TPHg (ug/l)	TPHd (ug/l)	TPHmo (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl benzene (ug/l)	Total Xylenes (ug/l)	MTBE (ug/l)	Di- isopropyl ether (DIPE) (ug/l)	Ethyl tert-butyl ether (ETBE) (ug/l)	Tert-amyl methyl ether (TAME) (ug/l)	Tert -Butanol (TBA) (ug/l)	1-2, Dibromoethane (EDB) (ug/l)	1,2-Dichloroethane (DCA) (ug/l)
P-1	1/16/1992	963.0	6,700	--	--	500	4.4	80	40	--	--	--	--	--	--	--
	3/9/1993	966.8	5,600	--	--	1,100	29	63	120	--	--	--	--	--	--	--
	6/21/2006	973.5	**3,200**	**610**	**90**	**430**	**2.6**	**31**	**6.4**	**6.4**	**1.8**	<0.5	<0.5	**80**	<0.5	<0.5
P-2	11/6/1990	960.4	33,000	--	--	4,700	2,100	380	630	--	--	--	--	--	--	--
	1/16/1992	964.1	99,000	--	--	6,500	12,000	2,000	16,000	--	--	--	--	--	--	--
	3/9/1993	974.2	70,000	--	--	5,900	11,000	2,100	12,000	--	--	--	--	--	--	--
	5/17/1993	974.1	87,000	--	--	6,600	13,000	2,200	13,000	--	--	--	--	--	--	--
	8/17/1993	969.5	80,000	--	--	5,800	12,000	2,000	12,000	--	--	--	--	--	--	--
	12/13/1993	966.8	100,000	--	--	5,600	12,000	2,200	14,000	--	--	--	--	--	--	--
	3/7/1994	972.4	77,000	--	--	5,100	11,000	2,000	12,000	--	--	--	--	--	--	--
	8/23/1994	967.5	70,000	--	--	3,800	8,700	1,500	9,900	--	--	--	--	--	--	--
	4/27/1995	977.5	44,000	--	--	3,600	8,500	1,500	9,300	--	--	--	--	--	--	--
	10/30/1995	968.2	66,000	--	--	4,600	11,000	2,100	13,600	--	--	--	--	--	--	--
	4/17/1996	976.5	58,000	--	--	4,800	9,900	1,900	12,900	--	--	--	--	--	--	--
	6/23/1999	973.0	57,000	--	--	1,800	4,700	1,300	9,300	<25	--	--	--	--	--	--
	12/9/1999	966.6	32,000	--	--	1,500	3,200	700	5,100	<0.5	--	--	--	--	--	--
	3/24/2003	972.0	54,000	--	--	750	3,000	1,200	7,100	<13	--	--	--	--	--	--
	6/21/2006	975.2	**37,000**	**2,600**	**75**	**850**	**2,100**	**1,400**	**6,700**	<0.5	<0.5	<0.5	<0.5	<10	<0.5	**2.7**
P-3	8/17/1993	970.6	900	--	--	180	65	10	93	--						
	10/30/1995	971.3	2000	--	--	650	45	31	156	--						
	6/23/1999	974.6	14,000	--	--	3,300	190	140	756	<10						
	12/9/1999	967.8	1,500	--	--	3,700	52	57	210	<0.5						
			Well Abandoned													
M-1	6/22/2006	974.4	**2,800**	**250**	<50	<0.5	<0.5	**0.53**	**1.91**	**2.3**	<0.5	<0.5	<0.5	<10	<0.5	<0.5
M-2	5/7/1991	968.3	16,000	--	--	1,300	950	170	890	--	--	--	--	--	--	--
	1/16/1992	964.5	22,000	--	--	960	570	370	1,800	--	--	--	--	--	--	--
	3/9/1993	966.0	27,000	--	--	1,100	970	490	1,400	--	--	--	--	--	--	--
	5/17/1993	972.4	17,000	--	--	1,200	770	480	1,300	--	--	--	--	--	--	--
	8/17/1993	969.2	20,000	--	--	1,700	910	540	1,400	--	--	--	--	--	--	--
	12/13/1993	965.6	51,000	--	--	2,200	1,400	700	2,600	--	--	--	--	--	--	--
	3/7/1994	969.5	28,000	--	--	1,400	900	640	1,800	--	--	--	--	--	--	--
	8/23/1994	967.3	21,000	--	--	1,600	540	520	1,100	--	--	--	--	--	--	--
	4/26/1995	975.2	14,000	--	--	1,200	510	490	870	--	--	--	--	--	--	--
	10/30/1995	968.2	16,000	--	--	1,700	830	470	1,120	--	--	--	--	--	--	--
	4/17/1996	974.0	10,000	--	--	1,300	610	380	810	--	--	--	--	--	--	--
	6/23/1999	972.4	1,900	--	--	150	19	32	24.8	410	--	--	--	--	--	--
	12/9/1999	965.9	11,000	--	--	560	130	240	265	<0.5	--	--	--	--	--	--
			Unable to Locate Well													
Commercial ESLs (Indoor Air)*			NA	NA	NA	6,400	530,000	170,000	160,000	150,000	NE	NE	NE	NA	770	1,700
Residential ESLs (Indoor Air)**			NA	NA	NA	1,900	530,000	170,000	160,000	45,000	NE	NE	NE	NA	230	490
Residential ULRs (Indoor Air)***			NE	NE	NE	5,600	>Sol	>Sol	>Sol	>Sol	NE	NE	NE	NE	NE	15,000

Notes

TPHg = Total volatile hydrocarbons in the gasoline range.
TPHd = Total volatile hydrocarbons in the diesel range.
TPHmo = Total volatile hydrocarbons in the motor oil range.
MTBE = Methyl tert butyl ether
ug/l = Micrograms per liter = parts per billion.
<50 = Analyte not present at a concentration above the stated detection limit.
* = Sample exhibits a fuel pattern which does not resemble the standard.
-- = Sample not analyzed for analyte.
NE = Not established
NA = No applicable value, SFRWQCB requires use of soil gas values to determine potential risk

ESL= Environmental Screening Levels Established by The SFRWQCB, February 2005.
SFRWQCB = San Francisco Bay Regional Water Quality Control Board
* = Table E-1a: Groundwater Screening Levels for Evaluation of Potential Commercial Indoor Air Impacts Interim Final - February 2005
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*** = City of Oakland Urban Land Reuse (ULR) Risk Based Screening Levels for Residential Indoor Air Impact January 2001, Table 7. Oakland Tier 2 Site Specific Target Levels for Clayey Silts
**** = Table F-1a: Groundwater Screening Levels where groundwater is a potential drinking water resource
>Sol = Value exceeds solubility of chemical in water

Table 3
Summary of Analytical Results - Groundwater Well Samples
2801 MacArthur Boulevard
Oakland, California

			TPH			BTEX				Five Fuel Oxygenates					Lead Scavengers	
Sample Location	Sample Date	Elevation (feet)	TPHg (ug/l)	TPHd (ug/l)	TPHmo (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethyl benzene (ug/l)	Total Xylenes (ug/l)	MTBE (ug/l)	Di- isopropyl ether (DIPE) (ug/l)	Ethyl tert-butyl ether (ETBE) (ug/l)	Tert-amyl methyl ether (TAME) (ug/l)	Tert -Butanol (TBA) (ug/l)	1-2, Dibromoethane (EDB) (ug/l)	1,2-Dichloroethane (DCA) (ug/l)
M-3	5/17/1993	970.6	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	8/17/1993	967.8	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	12/13/1993	967.0	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	3/7/1994	969.7	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	8/23/1994	967.0	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	4/27/1995	973.2	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	3/24/2003	968.9	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
			Well Abandoned													
M-4	5/17/1993	965.8	7,500	--	--	1,200	230	11	350	--						
	8/17/1993	--	13,000	--	--	3,000	330	130	700	--	--	--	--	--	--	--
	12/13/1993	962.8	11,000	--	--	2,700	190	90	360	--	--	--	--	--	--	--
	3/7/1994	966.6	3,800	--	--	980	33	49	140	--	--	--	--	--	--	--
	8/23/1994	964.2	19,000	--	--	5,800	200	460	630	--	--	--	--	--	--	--
	4/27/1995	969.8	2,300	--	--	510	40	69	120	--	--	--	--	--	--	--
	11/1/1995	965.4	1,100	--	--	470	14	23	26	--	--	--	--	--	--	--
	4/17/1996	969.5	550*	--	--	330	<2.5	5.9	16.1	--	--	--	--	--	--	--
	6/23/1999	967.8	4,000	--	--	<0.5	69	190	195	<0.5	--	--	--	--	--	--
	12/9/1999	964.3	1,500	--	--	2,500	32	140	88	<0.5	--	--	--	--	--	--
	3/24/2003	966.2	6,500	--	--	1,900	35	92	58	<7.1	--	--	--	--	--	--
	6/21/2006	969.0	**3,000**	**260**	**71**	**480**	**9.6**	**10**	**17.5**	<0.5	**1.3**	<0.5	<0.5	**32**	<0.5	<0.5
M-5	8/23/1994	961.1	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	4/27/1995	972.4	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	11/1/1995	961.4	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	4/17/1996	971.2	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	6/23/1999	966.4	<50	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	12/9/1999	960.9	<50	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	3/24/2006	967.0	<50	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	6/22/2006	969.0	<50	<50	<50	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
M-6	10/11/1994	959.5	3,600	--	--	340	27	65	240	--	--	--	--	--	--	--
	4/26/1995	969.9	150	--	--	9.3	<0.5	5.6	1.7	--	--	--	--	--	--	--
	11/1/1995	962.8	170	--	--	0.6	<0.5	<0.5	0.6	--	--	--	--	--	--	--
	1/22/1996	975.7	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	4/17/1996	969.2	<50	--	--	<0.5	<0.5	<0.5	1	--	--	--	--	--	--	--
	7/12/1996	965.1	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	11/7/1996	--	<50	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	6/23/1999	966.0	340	--	--	14	<0.5	19	<0.5	<0.5	--	--	--	--	--	--
	12/9/1999	961.4	120	--	--	3.7	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	3/24/2003	964.8	<50	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--
	6/22/2006	968.1	**67**	**69**	**160**	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<10	<0.5	<0.5
Commercial ESLs (Indoor Air) *			NA	NA	NA	6,400	530,000	170,000	160,000	150,000	NE	NE	NE	NA	770	1,700
Residential ESLs (Indoor Air) **			NA	NA	NA	1,900	530,000	170,000	160,000	45,000	NE	NE	NE	NA	230	490
Residential ULRs (Indoor Air)***			NE	NE	NE	5,600	>Sol	>Sol	>Sol	>Sol	NE	NE	NE	NE	NE	15,000

Notes

TPHg = Total volatile hydrocarbons in the gasoline range.
TPHd = Total volatile hydrocarbons in the diesel range.
TPHmo = Total volatile hydrocarbons in the motor oil range.
MTBE = Methyl tert butyl ether
ug/l = Micrograms per liter = parts per billion.
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* = Sample exhibits a fuel pattern which does not resemble the standard
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>Sol = Value exceeds solubility of chemical in water

Table 4
Groundwater Elevation Data
2801 MacArthur Boulevard
Oakland, California

Well	TOC[1] Elevation (feet)	Date	Groundwater Depth (feet)	Groundwater Elevation (feet)
M-1	1000	10/24/1990	36.1	963.9
		10/25/1990	36.1	963.9
		11/2/1990	36.4	963.6
		11/6/1990	36.8	963.2
		11/16/1990	36.8	963.2
		11/23/1990	36.9	963.1
		11/28/1990	37.0	963.0
		12/5/1990	37.2	962.8
		3/18/1991	35.8	964.2
		3/29/1991	32.4	967.6
		4/3/1991	31.9	968.1
		4/9/1991	31.6	968.4
		4/16/1991	31.2	968.8
		1/23/1992	35.5	964.5
		3/9/1993	29.1	970.9
		6/1/1993	27.5	972.5
		12/13/1993	33.9	966.1
		3/7/1994	32.3	967.7
		8/23/1994	32.3	967.7
		10/11/1994	34.1	965.9
		4/26/1995	24.4	975.6
		10/27/1995	31.3	968.7
		1/22/1996	31.1	968.9
		4/15/1996	25.6	974.4
		7/10/1996	27.7	972.3
		12/1/1998	--	Paved Over
		6/22/2006	25.6	974.4
M-2	999.6	4/30/1991	31.1	968.5
		5/7/1991	31.3	968.3
		1/16/1992	35.1	964.5
		3/9/1993	33.6	966.0
		5/17/1993	27.2	972.4
		6/1/1993	27.6	972.0
		8/17/1993	30.4	969.2
		12/13/1993	34.0	965.6
		3/7/1994	30.1	969.5
		8/23/1994	32.3	967.3
		10/11/1994	34.2	965.4
		4/26/1995	24.4	975.2
		10/27/1995	31.4	968.2

Table 4
Groundwater Elevation Data
2801 MacArthur Boulevard
Oakland, California

Well	TOC[1] Elevation (feet)	Date	Groundwater Depth (feet)	Groundwater Elevation (feet)
M-2 (cont.)		1/22/1996	31.2	968.4
		4/15/1996	25.6	974.0
		7/10/1996	27.8	971.8
		12/1/1998	30.9	968.7
		6/23/1999	27.3	972.4
		12/8/1999	33.7	965.9
		Unable to Locate Well		
M-3	992.8	5/17/1993	22.2	970.6
		6/1/1993	23.3	969.5
		8/17/1993	25.0	967.8
		12/13/1993	25.8	967.0
		3/7/1994	23.1	969.7
		8/23/1994	25.8	967.0
		10/11/1994	27.4	965.4
		4/26/1995	19.6	973.2
		10/27/1995	25.4	967.4
		1/22/1996	24.2	968.6
		4/15/1996	20.9	971.9
		7/10/1996	22.9	969.9
		12/1/1998	23.5	969.3
		12/8/1999	26.3	966.5
		3/24/2003*	23.9	968.9
		Well Abandoned		
M-4	999.6	5/17/1993	33.8	965.8
		6/1/1993	32.5	967.1
		12/13/1993	36.8	962.8
		3/7/1994	33.0	966.6
		8/23/1994	35.4	964.2
		10/11/1994	37.1	962.5
		4/26/1995	29.8	969.8
		10/27/1995	34.2	965.4
		1/22/1996	30.1	969.5
		4/15/1996	30.1	969.5
		7/10/1996	32.0	967.6
		12/1/1998	34.5	965.1
		6/23/1999	31.8	967.8
		12/8/1999	35.4	964.3
		3/24/2003*	33.4	966.2
		6/21/2006	30.6	969.0

Table 4
Groundwater Elevation Data
2801 MacArthur Boulevard
Oakland, California

Well	TOC[1] Elevation (feet)	Date	Groundwater Depth (feet)	Groundwater Elevation (feet)
M-5	992.9	8/23/1994	31.8	961.1
		10/11/1994	33.6	959.3
		4/26/1995	20.5	972.4
		10/27/1995	31.5	961.4
		1/22/1996	25.6	967.3
		4/15/1996	21.7	971.2
		7/10/1996	26.8	966.1
		12/1/1998	28.8	964.1
		6/23/1999	26.5	966.4
		12/8/1999	32.1	960.9
		3/24/2003*	25.9	967.0
		6/22/2006	23.9	969.0
M-6	997.7	8/23/1994	41.2	956.5
		10/11/1994	38.2	959.5
		4/26/1995	27.8	969.9
		10/27/1995	34.9	962.8
		1/22/1996	22.0	975.7
		4/15/1996	28.5	969.2
		7/10/1996	32.6	965.1
		12/1/1998	--	inaccessible
		6/23/1999	31.7	966.0
		12/8/1999	36.3	961.4
		3/24/2003*	32.9	964.8
		6/22/2006	29.6	968.1
P-1	999.6	10/24/1990	37.9	961.7
		10/25/1990	38.0	961.6
		11/2/1990	38.4	961.2
		11/6/1990	38.7	960.9
		11/16/1990	38.3	961.3
		11/23/1990	38.1	961.5
		11/28/1990	38.3	961.3
		12/5/1990	38.2	961.4
		3/18/1991	37.8	961.8
		3/29/1991	36.9	962.7
		4/3/1991	36.8	962.8
		4/9/1991	36.9	962.7
		4/16/1991	36.7	962.9
		4/18/1991	36.8	962.8
		4/30/1991	36.3	963.3

Table 4
Groundwater Elevation Data
2801 MacArthur Boulevard
Oakland, California

Well	TOC[1] Elevation (feet)	Date	Groundwater Depth (feet)	Groundwater Elevation (feet)
P-1 (cont.)		5/7/1991	36.2	963.4
		1/16/1992	36.6	963.0
		3/9/1993	32.8	966.8
		6/1/1993	30.0	969.6
		12/13/1993	33.7	965.9
		3/7/1994	32.6	967.0
		8/23/1994	32.7	966.9
		10/11/1994	33.5	966.1
		4/26/1995	27.6	972.0
		10/27/1995	31.8	967.8
		1/22/1996	33.3	966.3
		4/15/1996	28.2	971.4
		7/10/1996	29.3	970.3
		12/1/1998	31.9	967.7
		12/8/1999	32.7	967.0
		6/21/2006	26.1	973.5
P-2	997.8	10/24/1990	41.1	956.7
		10/25/1990	40.6	957.2
		11/2/1990	38.4	959.4
		11/6/1990	37.0	960.8
		11/16/1990	37.4	960.4
		11/23/1990	35.9	961.9
		11/28/1990	35.4	962.4
		2/5/1990	35.0	962.8
		3/18/1991	31.4	966.4
		3/29/1991	28.2	969.6
		4/3/1991	26.8	971.0
		4/9/1991	26.5	971.3
		4/16/1991	26.5	971.3
		4/18/1991	26.5	971.3
		4/30/1991	26.7	971.1
		5/7/1991	27.0	970.8
		1/16/1992	33.7	964.1
		3/9/1993	23.6	974.2
		5/17/1993	23.7	974.1
		6/1/1993	24.4	973.4
		8/17/1993	28.3	969.5
		12/13/1993	31.0	966.8
		3/7/1994	25.4	972.4
		8/23/1994	30.3	967.5

Table 4
Groundwater Elevation Data
2801 MacArthur Boulevard
Oakland, California

Well	TOC[1] Elevation (feet)	Date	Groundwater Depth (feet)	Groundwater Elevation (feet)
P-2 (cont.)		10/11/1994	32.3	965.5
		4/26/1995	19.9	977.9
		10/27/1995	29.6	968.2
		1/22/1996	27.4	970.4
		4/15/1996	21.3	976.5
		7/10/1996	25.0	972.8
		12/1/1998	28.2	969.6
		6/23/1999	24.8	973.0
		12/8/1999	31.2	966.6
		3/24/2003	25.8	972.0
		6/21/2006	22.7	975.2
P-3	999.1	3/29/1991	24.7	974.4
		4/3/1991	25.1	974.0
		4/9/1991	25.9	973.2
		4/16/1991	26.2	972.9
		4/18/1991	26.2	972.9
		4/30/1991	26.8	972.3
		5/7/1991	27.4	971.7
		1/23/1992	32.5	966.6
		3/9/1993	24.8	974.3
		6/4/1993	23.9	975.2
		8/17/1993	28.5	970.6
		12/13/1993	29.3	969.8
		3/7/1994	25.0	974.1
		8/23/1994	30.1	969.0
		10/11/1994	32.0	967.1
		4/26/1995	20.5	978.6
		10/27/1995	27.8	971.3
		1/22/1996	26.7	972.4
		4/15/1996	21.4	977.7
		7/10/1996	25.1	974.0
		12/1/1998	27.2	971.9
		6/23/1999	24.5	974.6
		12/8/1999	31.3	967.8
		Well Abandoned		

Note 1 - Elevations relative to site-specific datum. Temporary Bench Mark No. 1, top of concrete at west corner of northernmost pump island. Assumed elevation = 1,000.0 feet.

Table 5
Summary of Quality Control Data - Soil and Grab Groundwater Samples
2801 Macarthur Boulevard
Oakland, California
Project No 838.006

Soil Samples

Analytes	B-13 @25.5	B-13 @25.5 Split Sample	% RPD	B-14 @30.0	B-14 @30.0 Split Sample	% RPD	B-15 @25	B-15 @25 Split Sample	% RPD	B-16 @30.5	B-16 @30.5 Split Sample	% RPD	B-18 @15	B-18 @15 Split Sample	% RPD
Hydrocarbons															
TPHg (mg/kg)	0.5	0.5	0	0.5	0.5	0	0.5	0.5	0	**630**	**780**	-21	**450**	**440**	2

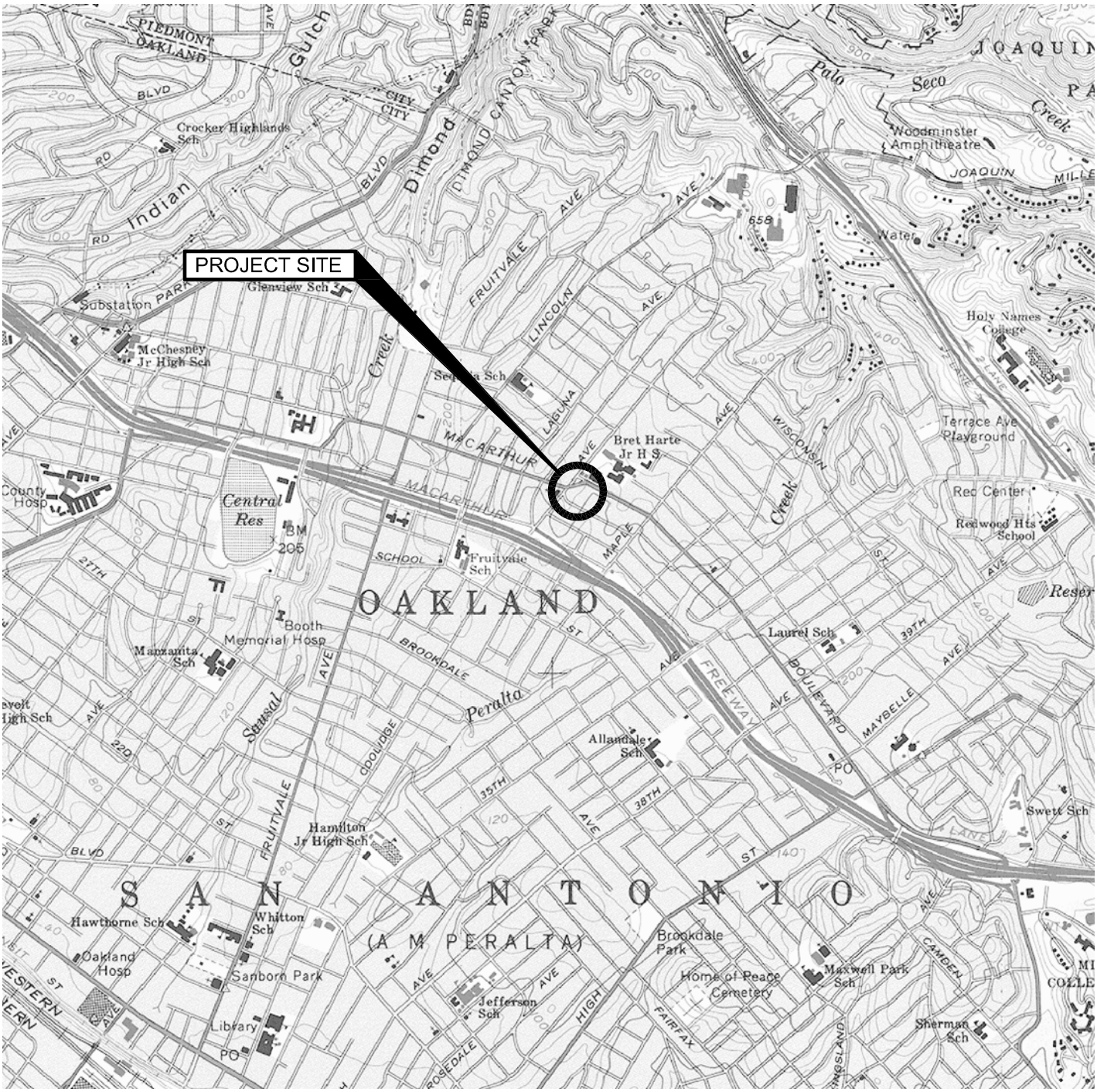
Groundwater

Analytes	B-13	B-13 Duplicate	% RPD	B-15	B-14 Duplicate	% RPD	B-17	B-17 Duplicate	% RPD	B-18	B-18 Duplicate	% RPD
Hydrocarbons												
TPHg (ug/l)	25	25	0	**7,000**	**6,900**	1	**59**	**59**	0	**29,000**	**34,000**	-16

Notes

TPHg = Total petroleum hydrocarbons as gasoline
ug/l = microgram per liter
Detected concentrations are shown in bold
RPD = Relative Percentage Difference

PLATES



SOURCE: This Vicinity Map is based on Subsurface Consultants, Inc., Plate 1 dated 08/99.

NORTH
0 2000 4000
FEET

VICINITY MAP
2801 MacArthur Blvd.
Oakland, California

PLATE 1

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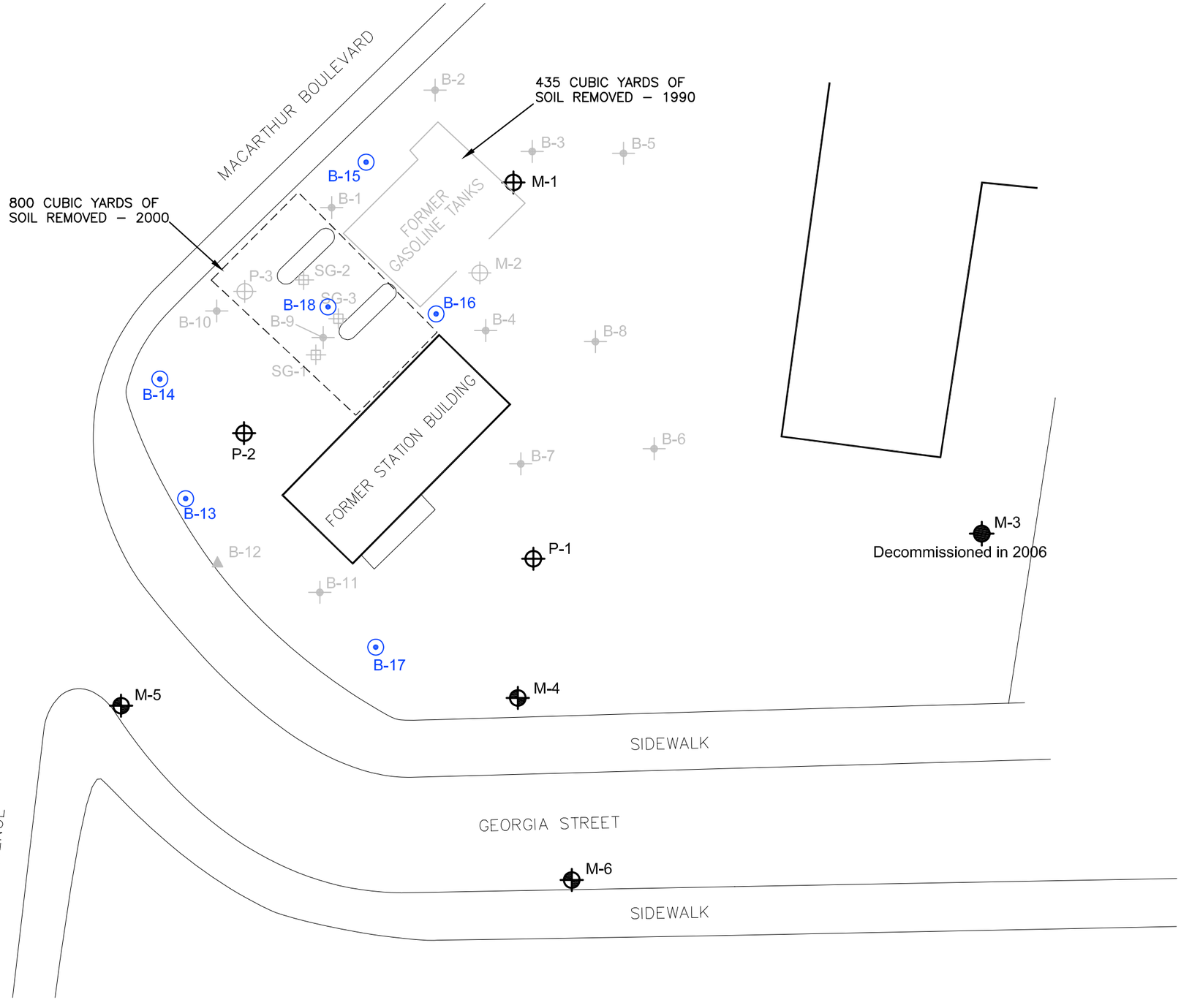

LEGEND

Explanation:

- Approximate Location Of Fugro Boring (2006)
- Monitoring Well by SCI
- Monitoring Well Sampled (2006)
- Monitoring Well by Others
- Monitoring Well by Others Sampled (2006)
- Test Boring by SCI
- Test Boring by Others
- Soil Vapor and Soil Sampling Location by SCI
- Former Tank Excavation (1989)
- CAP Excavation Area

N

0 30 60
FEET

SITE PLAN
2801 MacArthur Blvd.
Oakland, California

BASE MAP SOURCE: This Site Plan is based on Subsurface Consultants, Inc., Plate 3 dated 08/99.

PLATE 2

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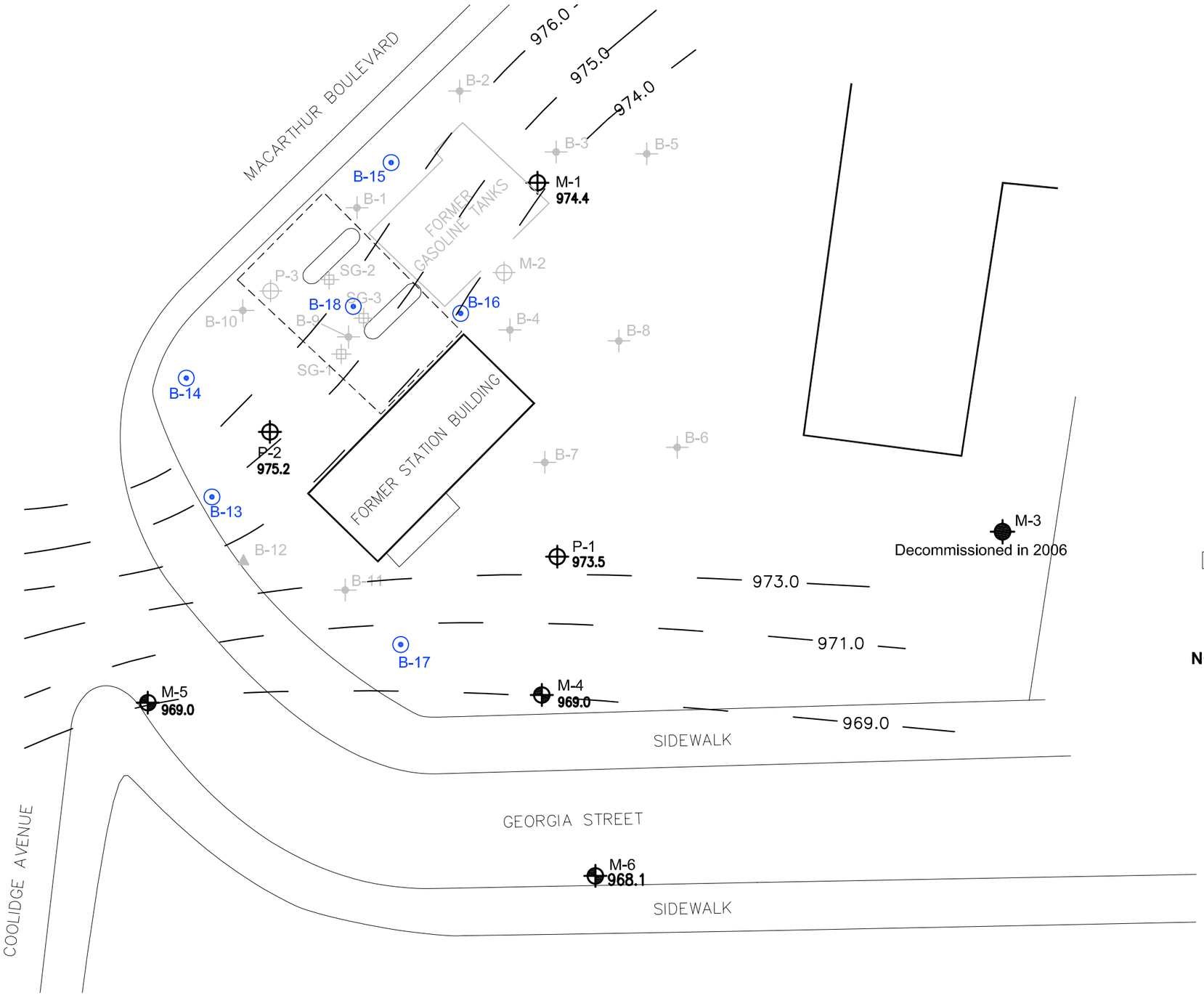
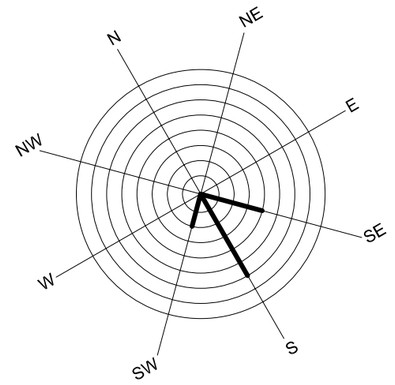
July 2006
Project No. 838.006



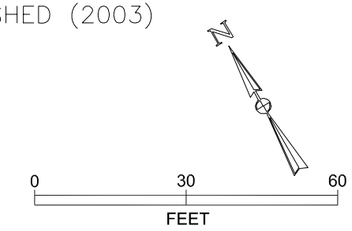


LEGEND

Explanation:

- Approximate Location Of Fugro Boring (2006)
- Monitoring Well by SCI
- Monitoring Well Sampled (2006)
- Monitoring Well by Others
- Monitoring Well by Others Sampled (2006)
- Test Boring by SCI
- Test Boring by Others
- Soil Vapor and Soil Sampling Location by SCI
- Former Tank Excavation (1989)
- CAP Excavation Area

NOTE : GROUNDWATER ELEVATIONS BASED ON SURVEY FROM ASSUMED DATUM (CORNER OF NORTHERN PUMP ISLAND)
NORTHERN PUMP ISLAND DEMOLISHED (2003)



GROUNDWATER SURFACE MAP JUNE 2006
2801 MacArthur Blvd.
Oakland, California

BASE MAP SOURCE: This Site Plan is based on Subsurface Consultants, Inc., Plate 3 dated 08/99.

PLATE 3

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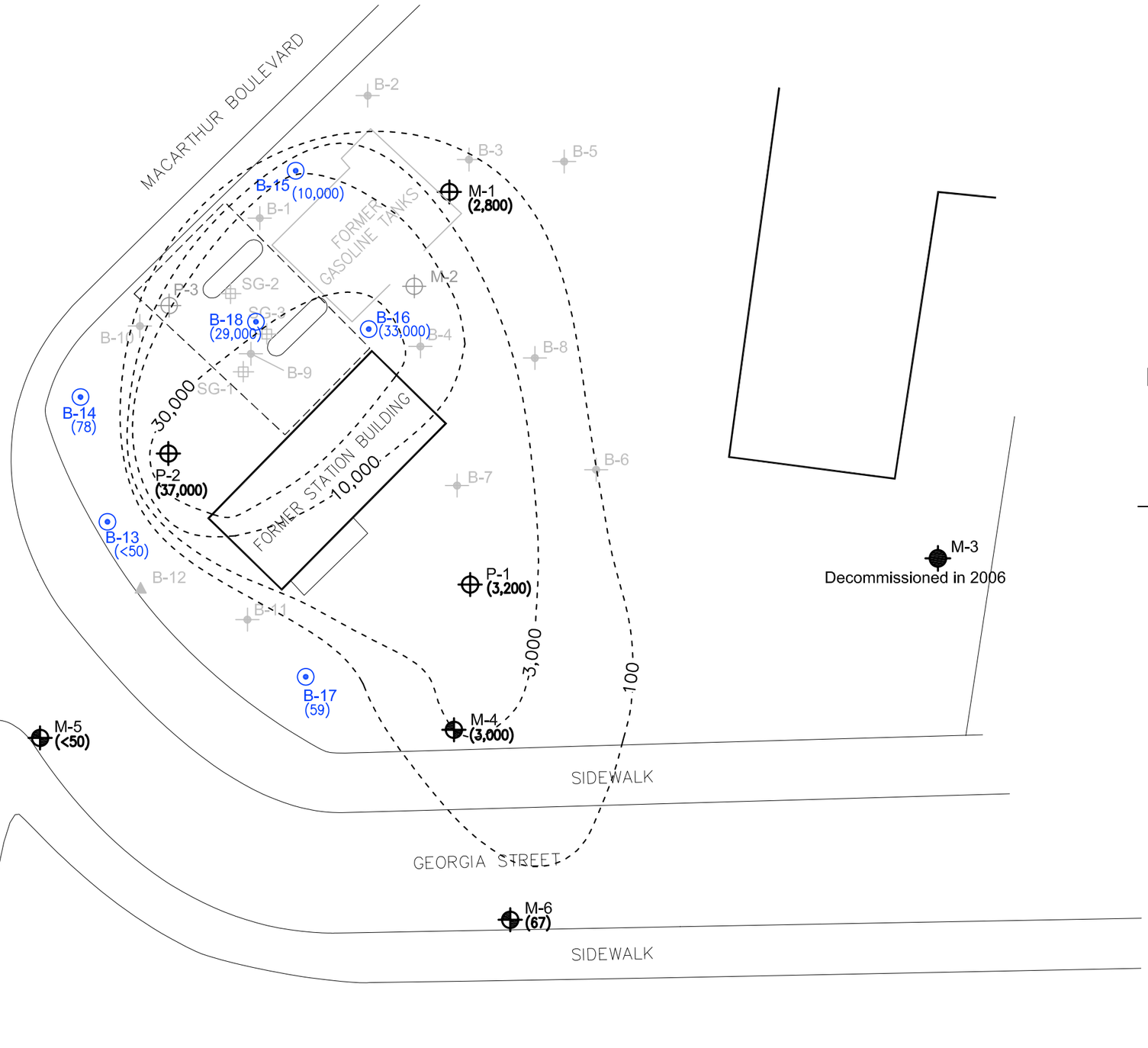

LEGEND

Explanation:

- Approximate Location Of Fugro Boring (2006)
- Monitoring Well by SCI
- Monitoring Well Sampled (2006)
- Monitoring Well by Others
- Monitoring Well by Others Sampled (2006)
- Test Boring by SCI
- Test Boring by Others
- Soil Vapor and Soil Sampling Location by SCI
- Former Tank Excavation (1989)
- CAP Excavation Area
- —3,000— TPHg Contour in µg/L
- (3,200) Detected TPHg Concentration in µg/L

N

0 30 60
FEET

DISTRIBUTION OF TPHg IN GROUNDWATER
JUNE 2006
2801 MacArthur Blvd.
Oakland, California

BASE MAP SOURCE: This Site Plan is based on Subsurface Consultants, Inc., Plate 3 dated 08/99.

PLATE 4

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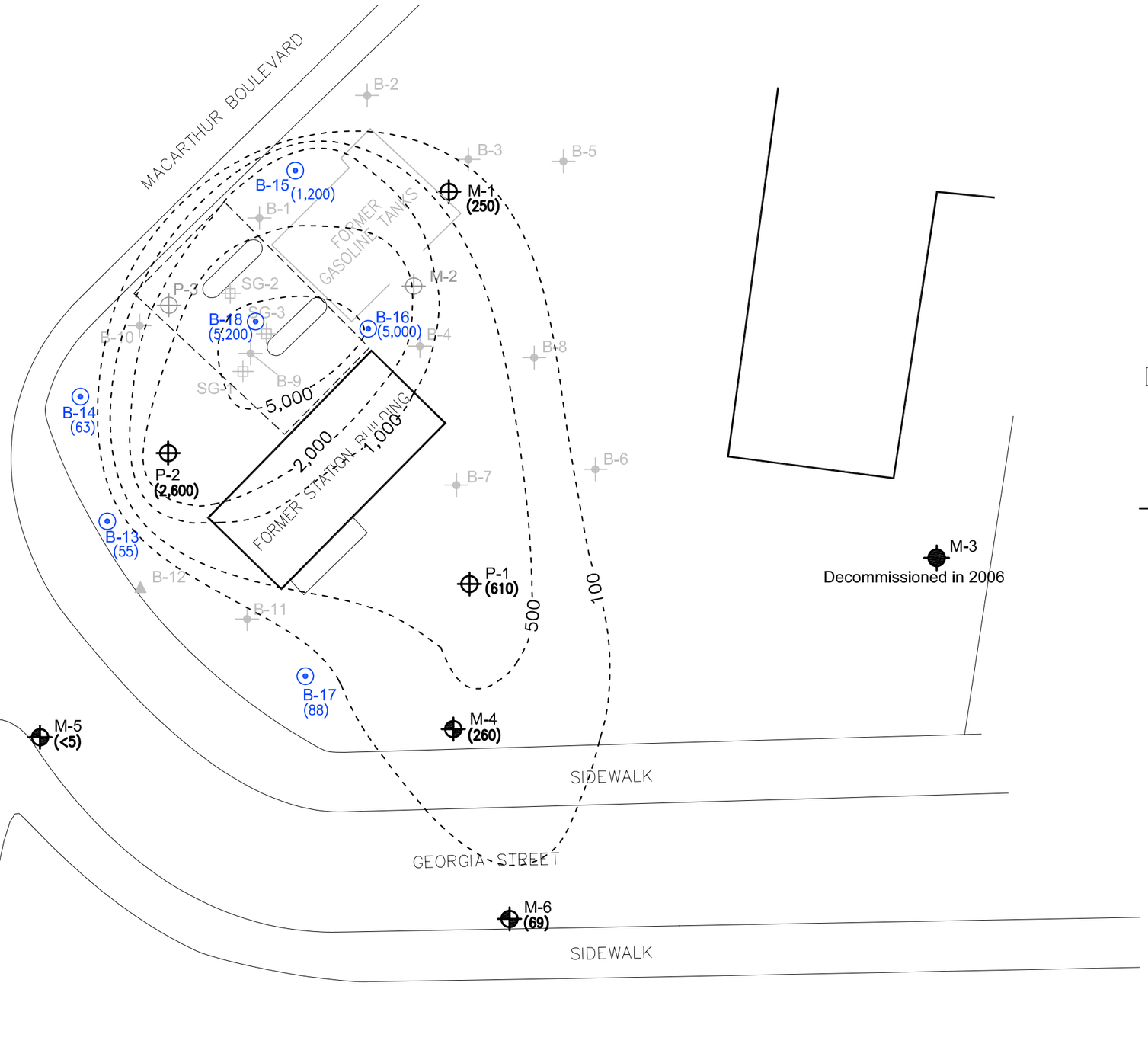

LEGEND

Explanation:

- Approximate Location Of Fugro Boring (2006)
- Monitoring Well by SCI
- Monitoring Well Sampled (2006)
- Monitoring Well by Others
- Monitoring Well by Others Sampled (2006)
- Test Boring by SCI
- Test Boring by Others
- Soil Vapor and Soil Sampling Location by SCI
- Former Tank Excavation (1989)
- CAP Excavation Area
- —5,000— TPHd Contour in µg/L
- (5,000) Detected TPHd Concentration in µg/L

N

0 30 60
FEET

DISTRIBUTION OF TPHd IN GROUNDWATER
JUNE 2006
2801 MacArthur Blvd.
Oakland, California

BASE MAP SOURCE: This Site Plan is based on Subsurface Consultants, Inc., Plate 3 dated 08/99.

PLATE 5

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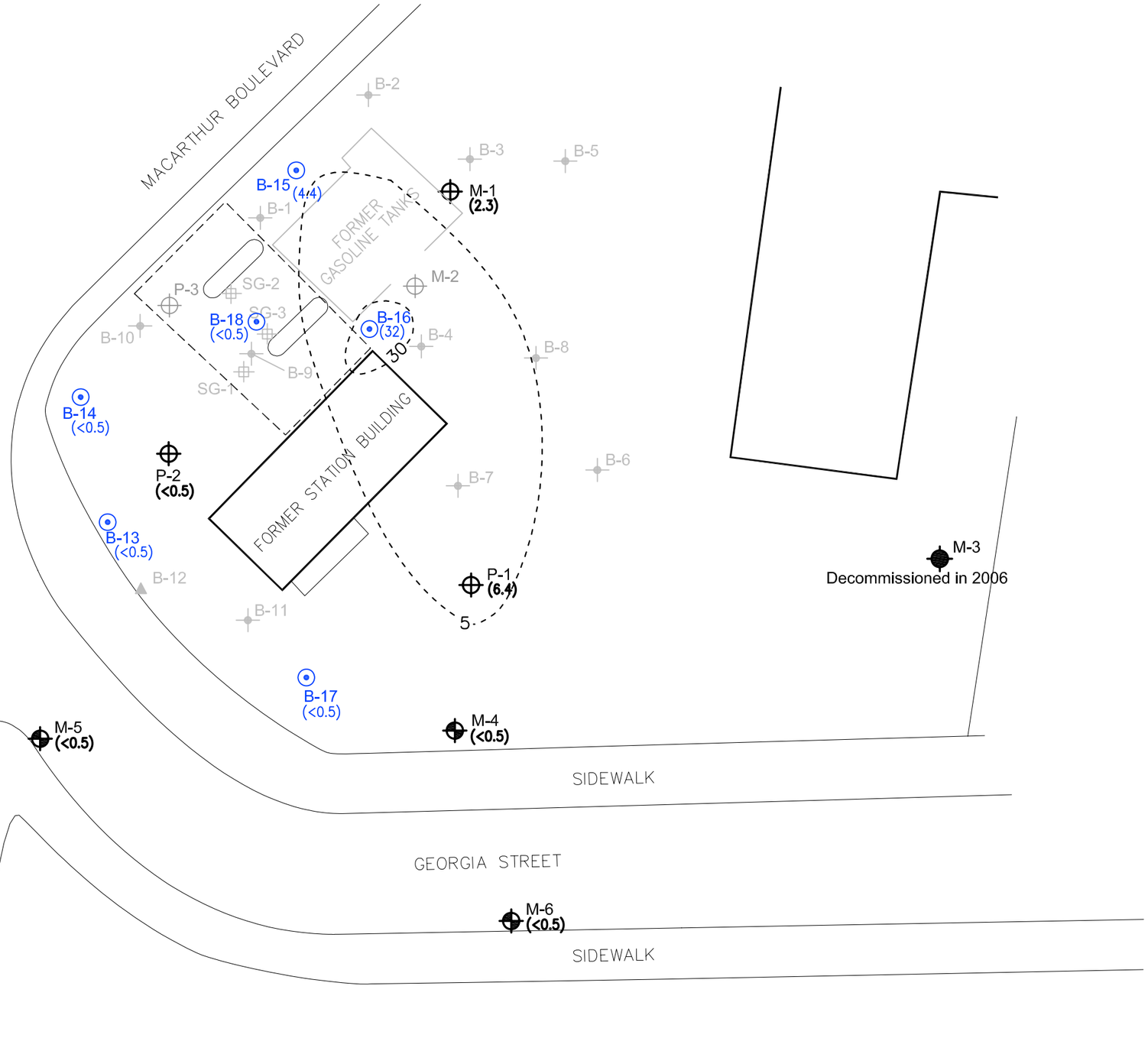

LEGEND

Explanation:

- Approximate Location Of Fugro Boring (2006)
- Monitoring Well by SCI
- Monitoring Well Sampled (2006)
- Monitoring Well by Others
- Monitoring Well by Others Sampled (2006)
- Test Boring by SCI
- Test Boring by Others
- Soil Vapor and Soil Sampling Location by SCI
- Former Tank Excavation (1989)
- CAP Excavation Area
- — 2 — MTBE Contour in µg/L
- (32) Detected MTBE Concentration in µg/L

N

0 30 60
FEET

DISTRIBUTION OF MTBE CONCENTRATIONS IN GROUNDWATER JUNE 2006
2801 MacArthur Blvd.
Oakland, California

BASE MAP SOURCE: This Site Plan is based on Subsurface Consultants, Inc., Plate 3 dated 08/99.

PLATE 6

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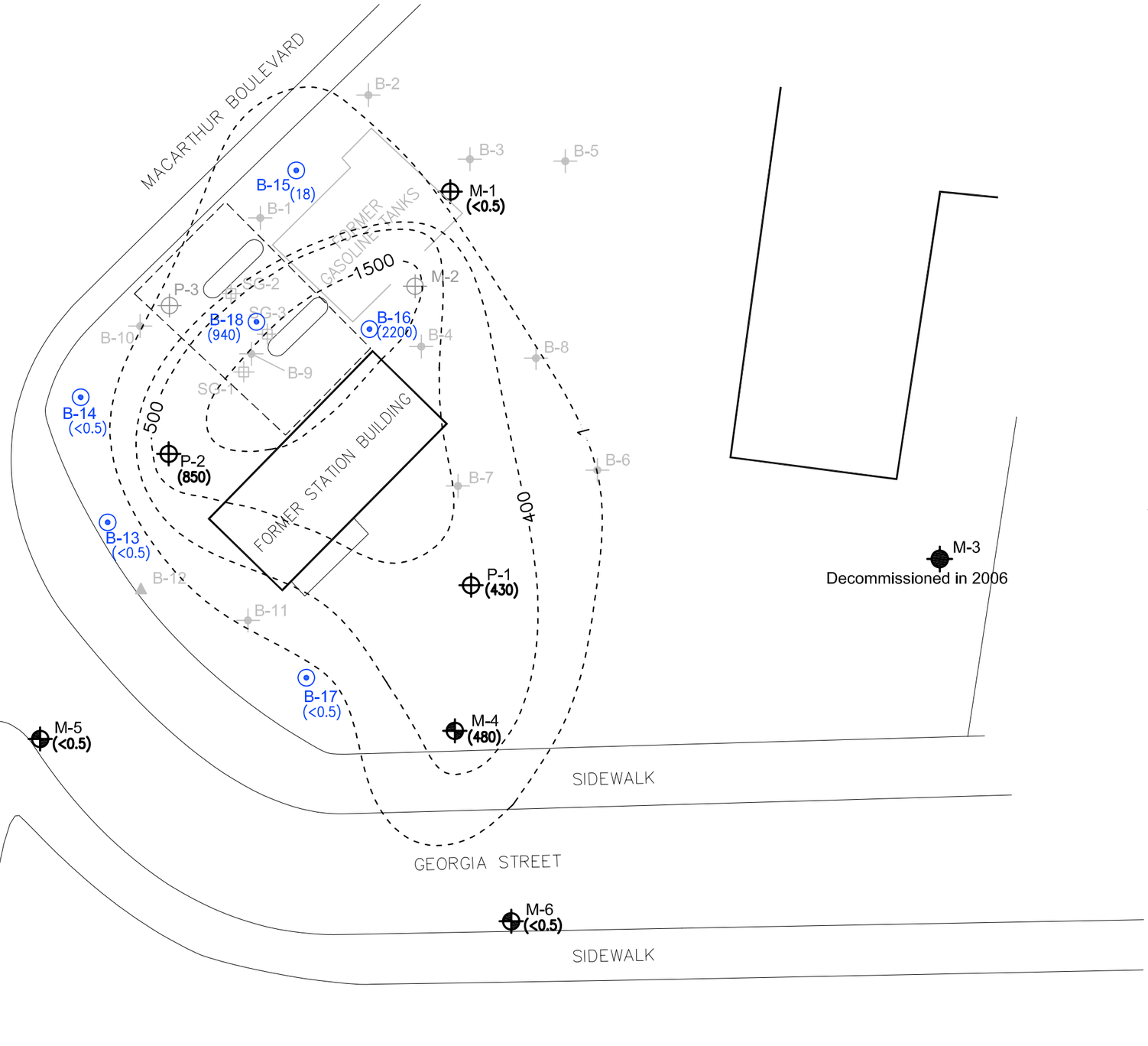


LEGEND

Explanation:

- Approximate Location Of Fugro Boring (2006)
- Monitoring Well by SCI
- Monitoring Well Sampled (2006)
- Monitoring Well by Others
- Monitoring Well by Others Sampled (2006)
- Test Boring by SCI
- Test Boring by Others
- Soil Vapor and Soil Sampling Location by SCI
- Former Tank Excavation (1989)
- CAP Excavation Area
- —500— Benzene Contour in µg/L
- (480) Detected Benzene Concentration in µg/L

N

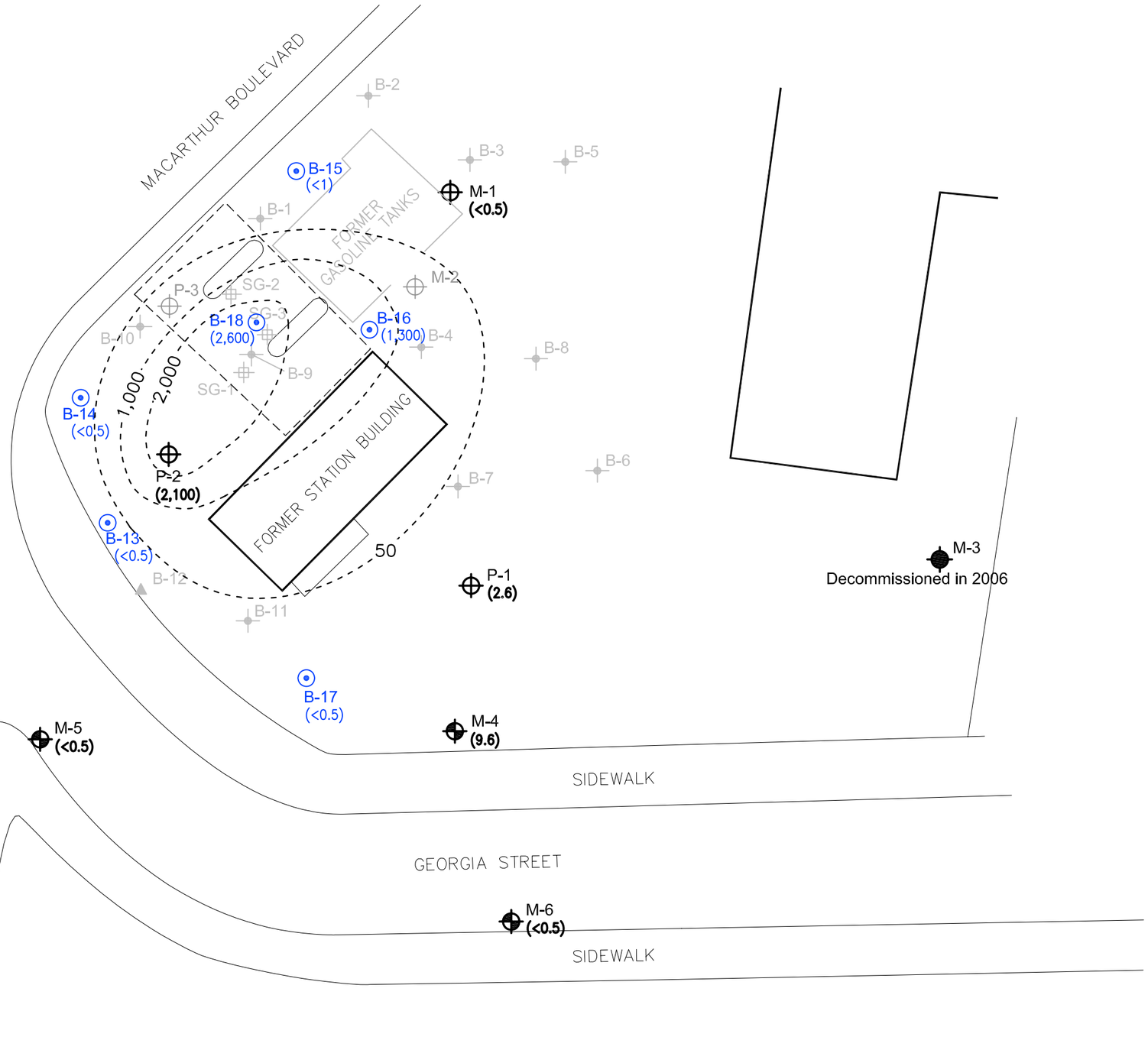
0 30 60
FEET

DISTRIBUTION OF BENZENE CONCENTRATIONS IN GROUNDWATER JUNE 2006
2801 MacArthur Blvd.
Oakland, California

BASE MAP SOURCE: This Site Plan is based on Subsurface Consultants, Inc., Plate 3 dated 08/99.

PLATE 7

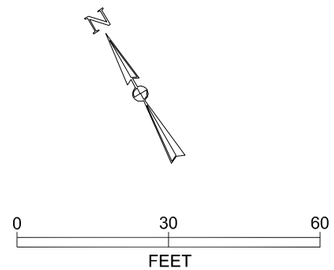
G:\jobdocs\838\838.006\Plates — Drawings\B838_006_007.dwg 7-25-06 03:45:18 PM rkandah



LEGEND

Explanation:

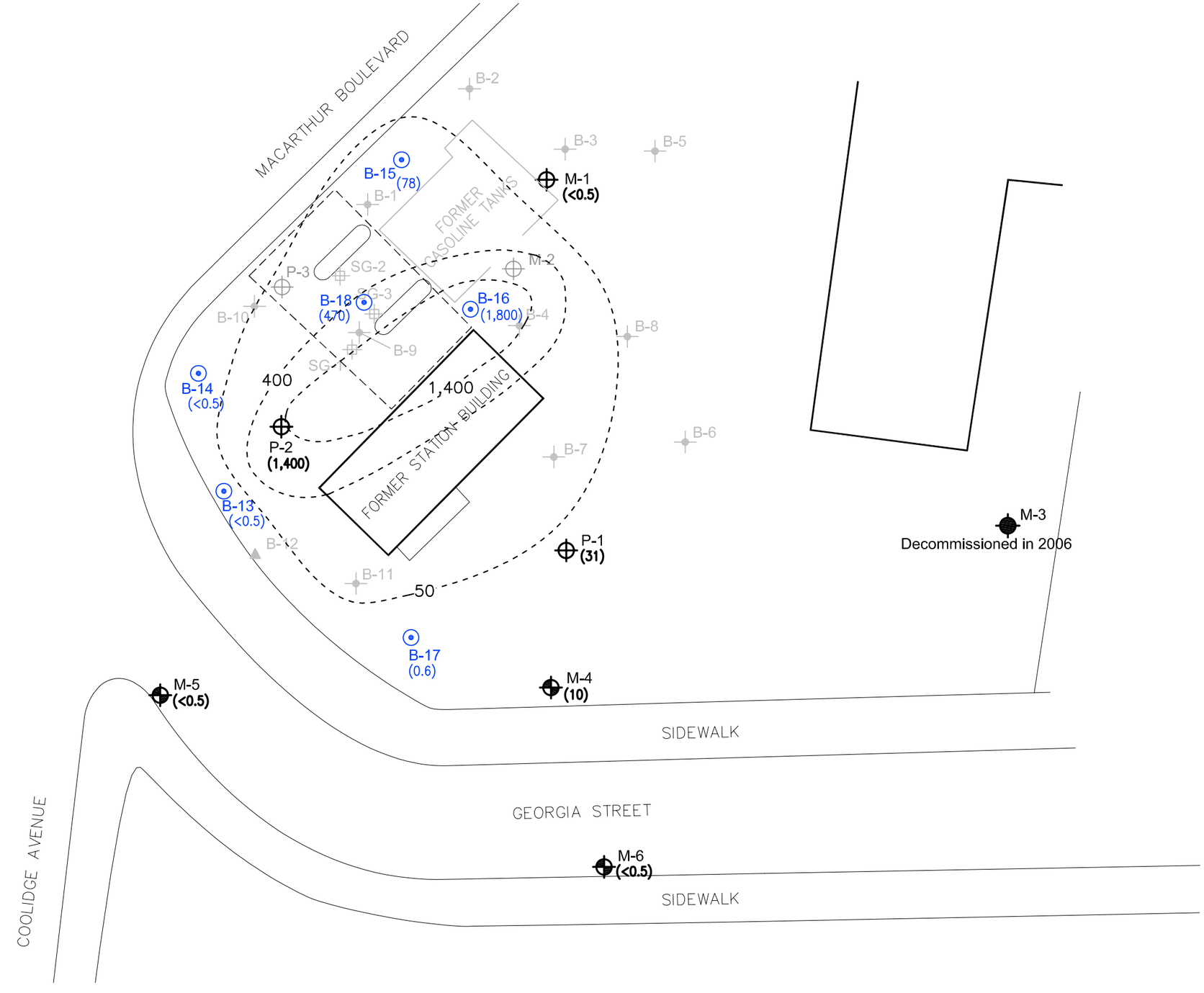
- Approximate Location Of Fugro Boring (2006)
- Monitoring Well by SCI
- Monitoring Well Sampled (2006)
- Monitoring Well by Others
- Monitoring Well by Others Sampled (2006)
- Test Boring by SCI
- Test Boring by Others
- Soil Vapor and Soil Sampling Location by SCI
- Former Tank Excavation (1989)
- CAP Excavation Area
- — 5 — Toluene Contour in µg/L
- (9.6) Detected Toluene Concentration in µg/L



DISTRIBUTION OF TOLUENE IN GROUNDWATER
JUNE 2006
2801 MacArthur Blvd.
Oakland, California

BASE MAP SOURCE: This Site Plan is based on Subsurface Consultants, Inc., Plate 3 dated 08/99.

PLATE 8



LEGEND

Explanation:

- Approximate Location Of Fugro Boring (2006)
- Monitoring Well by SCI
- Monitoring Well Sampled (2006)
- Monitoring Well by Others
- Monitoring Well by Others Sampled (2006)
- Test Boring by SCI
- Test Boring by Others
- Soil Vapor and Soil Sampling Location by SCI
- Former Tank Excavation (1989)
- CAP Excavation Area
- —400— Ethylbenzene Concentration in µg/L
- (10) Detected Ethylbenzene Concentration in µg/L

N

0 30 60
FEET

DISTRIBUTION OF ETHYLBENZENE IN GROUNDWATER JUNE 2006
2801 MacArthur Blvd.
Oakland, California

BASE MAP SOURCE: This Site Plan is based on Subsurface Consultants, Inc., Plate 3 dated 08/99.

PLATE 9

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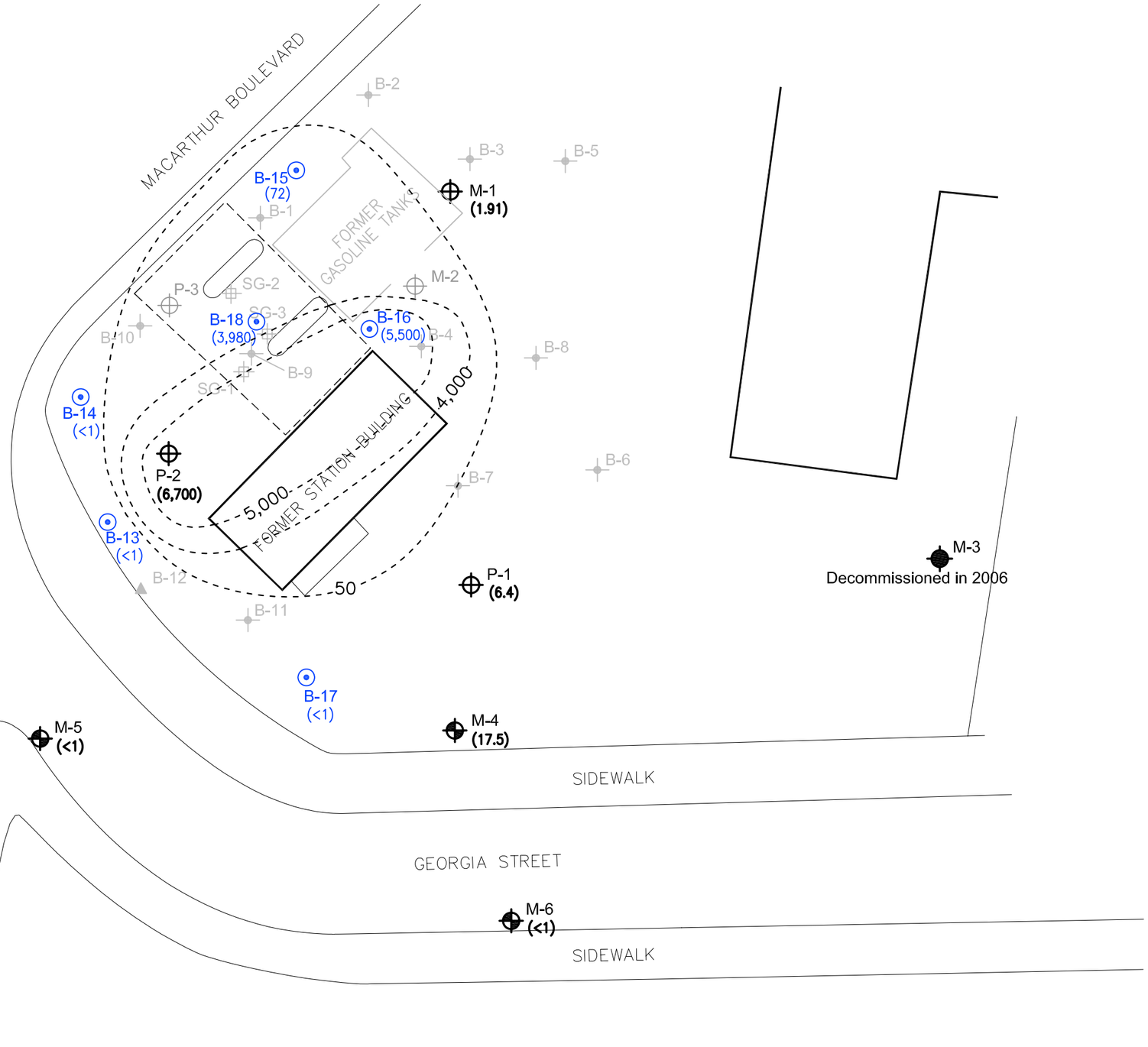


LEGEND

Explanation:

- Approximate Location Of Fugro Boring (2006)
- Monitoring Well by SCI
- Monitoring Well Sampled (2006)
- Monitoring Well by Others
- Monitoring Well by Others Sampled (2006)
- Test Boring by SCI
- Test Boring by Others
- Soil Vapor and Soil Sampling Location by SCI
- Former Tank Excavation (1989)
- CAP Excavation Area
- — 5 — Total Xylene Contour in µg/L
- (64) Detected Total Xylene Concentration in µg/L

N

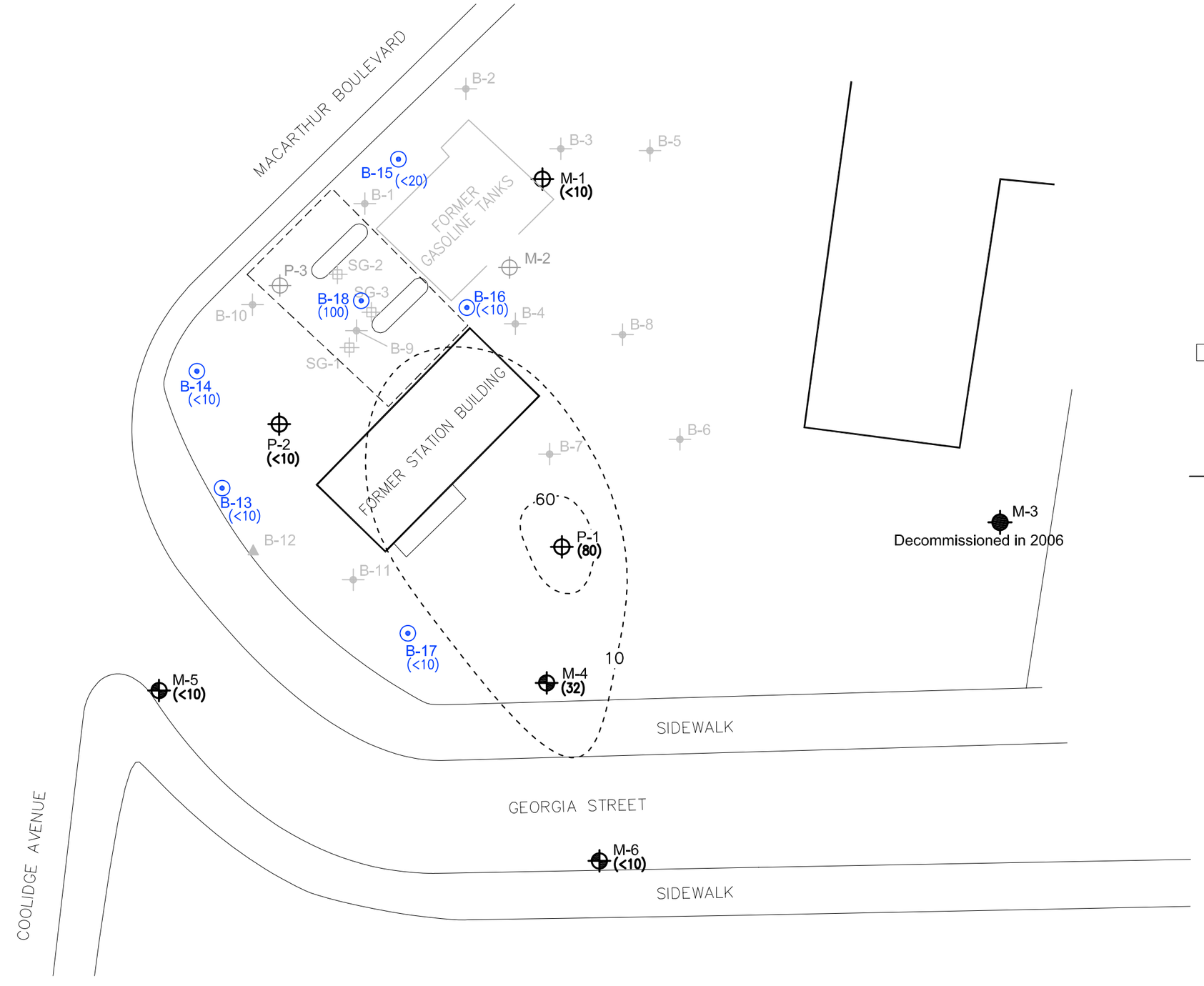
0 30 60
FEET

DISTRIBUTION OF TOTAL XYLENES IN GROUNDWATER JUNE 2006
2801 MacArthur Blvd.
Oakland, California

BASE MAP SOURCE: This Site Plan is based on Subsurface Consultants, Inc., Plate 3 dated 08/99.

PLATE 10

July 2006
Project No. 838.006



LEGEND

Explanation:

- Approximate Location Of Fugro Boring (2006)
- Monitoring Well by SCI
- Monitoring Well Sampled (2006)
- Monitoring Well by Others
- Monitoring Well by Others Sampled (2006)
- Test Boring by SCI
- Test Boring by Others
- Soil Vapor and Soil Sampling Location by SCI
- Former Tank Excavation (1989)
- CAP Excavation Area
- —60— TBA Contour in µg/L
- (80) Detected TBA Concentration in µg/L

N

0 30 60
FEET

DISTRIBUTION OF TBA CONCENTRATIONS IN GROUNDWATER JUNE 2006
Fund 2801 MacArthur Blvd.
Oakland, California

BASE MAP SOURCE: This Site Plan is based on Subsurface Consultants, Inc., Plate 3 dated 08/99.

PLATE 11

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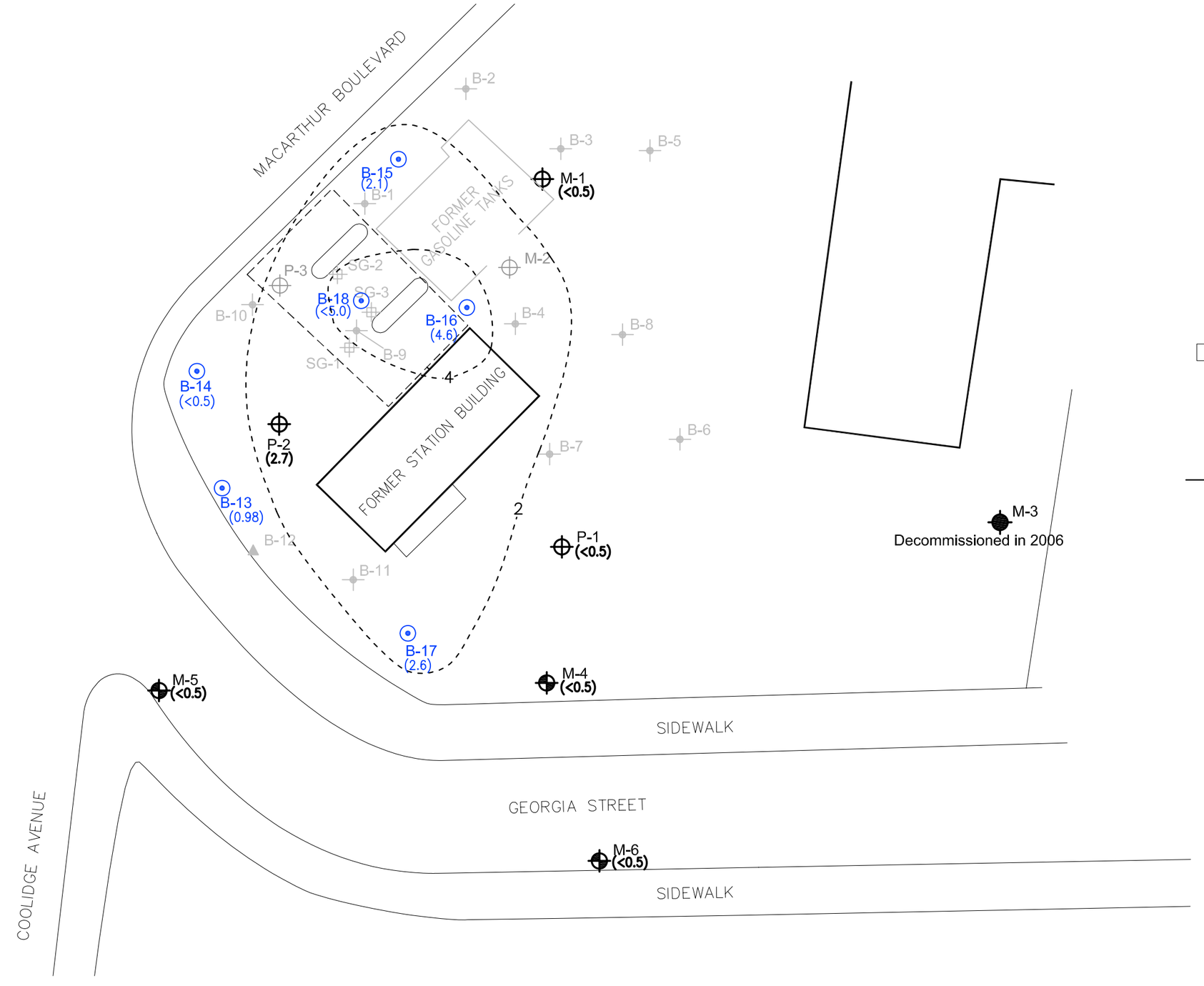
July 2006
Project No. 838.006



LEGEND

Explanation:

- Approximate Location Of Fugro Boring (2006)
- Monitoring Well by SCI
- Monitoring Well Sampled (2006)
- Monitoring Well by Others
- Monitoring Well by Others Sampled (2006)
- Test Boring by SCI
- Test Boring by Others
- Soil Vapor and Soil Sampling Location by SCI
- Former Tank Excavation (1989)
- CAP Excavation Area
- ——2—— DCA Contour in µg/L
- (4.6) Detected DCA Concentrations in µg/L

N

0 30 60
FEET

DISTRIBUTION OF DCA CONCENTRATIONS IN GROUNDWATER JUNE 2006
2801 MacArthur Blvd.
Oakland, California

BASE MAP SOURCE: This Site Plan is based on Subsurface Consultants, Inc., Plate 3 dated 08/99.

PLATE 12

G:\jobdocs\838\838.006\Plates – Drawings\B838_006_012.dwg 7-25-06 03:43:25 PM rkandah

APPENDIX A
PERMITS

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: 06/02/2006 By jamesy | **Receipt Number: WR2006-0271**
Permits Issued: W2006-0545 to W2006-0546 | **Permits Valid from 06/19/2006 to 06/22/2006**

Application Id: 1149187920092 | **City of Project Site:** Oakland
Site Location: Within the Parking Lot of:
2801 MacArthur Blvd, Oakland CA

Project Start Date: 06/19/2006 | **Completion Date:** 06/22/2006

Applicant: Fugro West Inc - Obi Nzewi
1000 Broadway Suite 200, Oakland, CA 94607 | **Phone:** 510-267-4413

Property Owner: Fund APA
7 Morning sun Avenue, Mill Valley, CA 94941 | **Phone:** 415-389-0810

Client: Aniko Molnar
7 Morning sun Avenue, Mill Valley, CA 94941 | **Phone:** 415-389-0810

Total Due: $500.00
Total Amount Paid: $500.00
Payer Name : obiajulu Nzewi Paid By: VISA **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 8 Boreholes
Driller: Clearheart Drilling - Lic #: 57780357 - Method: auger

Work Total: $200.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2006-0545	06/02/2006	09/17/2006	8	6.00 in.	50.00 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.

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. 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.

5. 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.

6. Spot Check Only
Inspector does not have to be present for grout Inspection.

Alameda County Public Works Agency - Water Resources Well Permit

Well Destruction-Monitoring - 1 Wells
Driller: Clearheart Drilling - Lic #: 57780357 - Method: auger

Work Total: $300.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2006-0546	06/02/2006	09/17/2006	M-3	6.00 in.	2.00 in.	5.00 ft	50.00 ft			

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Sound the well to measure depth and to ensure no obstructions exist.

Excavate and remove existing casing 3 to 5 foot below ground surface (bgs), including vent cap and well or vault cover.

Grout neat cement with a tremie to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

5. 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 and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.

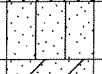
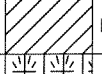
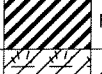
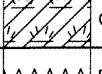
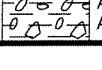
6. Applicant shall contact James Yoo for an inspection time at 510-670-6633 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

7. Permitte, 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, 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.

8. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit

APPENDIX B
USCS AND LOGS OF BORINGS

Project No. 838.006

MAJOR DIVISIONS			GROUP NAMES		
COARSE-GRAINED SOILS More than 50% retained on the No. 200 sieve	GRAVELS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	Clean gravels less than 5% fines	GW		Well-Graded Gravel
			GP		Poorly Graded Gravel
		Gravels with more than 12% fines	GM		Silty Gravel
			GC		Clayey Gravel
	SANDS MORE THAN 50% OF COARSE FRACTION PASSING NO. 4 SIEVE	Clean sand less than 5% fines	SW		Well-Graded Sand
			SP		Poorly Graded Sand
		Sands with more than 12% fines	SM		Silty Sand
			SC		Clayey Sand
FINE-GRAINED SOILS 50% or more passes the No. 200 sieve	SILTS AND CLAYS Liquid Limit Less than 50%		ML		Silt
			CL		Lean Clay
			OL		Organic Silt
	SILTS AND CLAYS Liquid Limit Greater than 50%		MH		Elastic Silt
			CH		Fat Clay
			OH		Organic Clay
HIGHLY ORGANIC SOILS			PT		Peat or Highly Organic Soils
			FILL		Debris or Mixed Fill
			AC		Asphalt Concrete Pavement with Aggregate Base

GENERAL NOTES

Classification of Soils per ASTM D2487 or D2488

Geologic Formation noted in bold font at the top of interpreted interval

Sloped line in break column indicates transitional boundary

Blow counts for California Liner Sampler shown in ( )

Length of sample symbol approximates recovery length

SAMPLER DRIVING RESISTANCE

Number of blows with 140 lb. hammer, falling 30-in. to drive sampler 1-ft. after seating sampler 6-in.; for example,

Blows/ft	Description
25	25 blows drove sampler 12" after initial 6" of seating
50/7"	50 blows drove sampler 7" after initial 6" of seating
Ref/3"	50 blows drove sampler 3" during initial 6" seating interval (Ref=Refusal)

STRENGTH TEST METHOD

U = Unconfined Compression
Q = Unconsolidated Undrained Triaxial
T = Torvane
P = Pocket Penetrometer
M = Miniature Vane
F = Field Vane

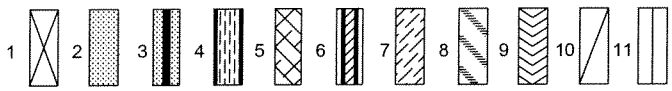
OTHER TESTS

k = Permeability
Consol = Consolidation
Gs = Specific Gravity
MA = Particle Size Analysis
EI = Expansion Index
OVM = Organic Vapor Measurement

WATER LEVEL SYMBOLS

- Initial or perched water level
- Final ground water level
- Seepages encountered

SAMPLER TYPE



Samplers and sampler dimensions (unless otherwise noted in report text) are as follows:

1 SPT Sampler, driven 1 3/8" ID, 2" OD
2 MOD CA Liner Sampler 2 3/8" ID, 3" OD
3 CA Liner Sampler 1 7/8" ID, 2.5" OD
4 Thin-walled Tube, pushed 2 7/8" ID, 3" OD
5 Bulk Bag Sample (from cuttings)
6 Hand Auger Sample
7 Lexan Sample
8 Pitcher Sample
9 Vibracore Sample
10 No Sample Recovered
11 Rock Core

SOIL STRUCTURE

Fissured: Containing shrinkage or relief cracks, often filled with fine sand or silt, usually more or less vertical.

Pocket: Inclusion of material of different texture that is smaller than the diameter of the sample.

Parting: Inclusion less than 1/8 inch thick extending through the sample.

Seam: Inclusion 1/8 inch to 3 inches thick extending through the sample.

Layer: Inclusion greater than 3 inches thick extending through the sample.

Laminated: Soil sample composed of alternating partings or seams of different soil types.

Interlayered: Soil sample composed of alternating layers of different soil type.

Intermixed: Soil sample composed of pockets of different soil type, and layered or laminated structure is not evident.

CONSISTENCY

Clays	Blows/Foot SPT	Undrained Shear Strength (ksf)
Very Soft	0 - 2	0 - 0.25
Soft	3 - 4	0.25 - 0.5
Firm	5 - 8	0.5 - 1
Stiff	9 - 16	1 - 2
Very Stiff	17 - 32	2 - 4
Hard	Over 32	Over 4

RELATIVE DENSITY

Sands and Gravels	Blows/Foot SPT
Very Loose	0 - 4
Loose	4 - 10
Medium Dense	11 - 30
Dense	31 - 50
Very Dense	Over 50

INCREASING VISUAL MOISTURE CONTENT

Information on each boring log is a compilation of subsurface conditions and soil or rock classifications obtained from the field as well as from laboratory testing of samples. Strata have been interpreted by commonly accepted procedures. The stratum lines on the logs may be transitional and approximate in nature. Water level measurements refer only to those observed at the time and places indicated, and can vary with time, geologic condition, or construction activity.

TERMS AND SYMBOLS USED ON BORING LOGS

PLATE B-1

Project No. 838.006

DEPTH, ft	MATERIAL SYMBOL	SAMPLE NO.	SAMPLER TYPE	SAMPLER BLOW COUNT/ PRESSURE, psi	LOCATION: SURFACE EL: Not Surveyed — MATERIAL DESCRIPTION	DRY UNIT WEIGHT, pcf	WATER CONTENT, %	% PASSING #200 SIEVE	LIQUID LIMIT, %	PLASTICITY INDEX	UNDRAINED SHEAR STRENGTH, S_u, ksf	OTHER TESTS
0					Asphalt Baserock:							OVM = 0
					Sandy CLAY (CL): hard, dark reddish brown, moist, fine- to medium-grained							OVM = 0
5		1										OVM = 0
		2		(87)	- some gravel (fine, sub-angular) at 5 feet							OVM = 0
												OVM = 0
10		3			Sandy CLAY (CL): hard, reddish brown, moist, fine- to medium-grained, with gravel (fine, sub-angular)							OVM = 0
		4		(59)								OVM = 0
					Clayey SAND (SC): dense, reddish brown, moist, fine- to medium-grained, with gravel (fine, sub-angular)							OVM = 0
15		5		(87)								OVM = 0
					Sandy CLAY (CL): hard, reddish brown to yellow brown mottled black, moist, fine- to medium-grained, with gravel (fine, sub-angular)							
20		6		(58)								OVM = 0
					Sandy CLAY (CL): hard, light brown to yellow brown, moist, fine- to medium-grained - increasing sand at 21.5 feet							OVM = 0
25		7		(60)	Silty SAND (SM): dense, light yellow brown, moist, fine-grained							OVM = 0
												OVM = 0
30		8		(72)	Silty GRAVEL (GM): very dense, light brown - yellow brown, moist, fine, sub-angular, with sand (fine- to medium-grained)							OVM = 0
												OVM = 0
35		9		(97)	Sandy CLAY (CL): hard, brown, moist, fine- to medium-grained, with gravel (fine, sub-angular)							OVM = 0
40		10		(90)								OVM = 0
45		11		(90)								OVM = 0

Continued

BORING DEPTH: 61.0 ft
DEPTH TO WATER: 60.0 ft

COMPLETION DATE: June 19, 2006
NOTES: 1. Terms and symbols defined on Plate A-1.

DRILLING METHOD: 6-in. dia. Hollow Stem Auger
HAMMER TYPE: Automatic Trip
RIG TYPE: CME
DRILLED BY: Clearheart,
LOGGED BY: O Nzewi

LOG OF BORING NO. B-13
2801 MacArthur Blvd
Oakland, California

Project No. 838.006

DEPTH, ft	MATERIAL SYMBOL	SAMPLE NO.	SAMPLER TYPE	SAMPLER BLOW COUNT/ PRESSURE, psi	LOCATION: SURFACE EL: Not Surveyed MATERIAL DESCRIPTION	DRY UNIT WEIGHT, pcf	WATER CONTENT, %	% PASSING #200 SIEVE	LIQUID LIMIT, %	PLASTICITY INDEX	UNDRAINED SHEAR STRENGTH, S_u, ksf	OTHER TESTS
		12		(87)	Sandy CLAY (CL): hard, brown, moist							OVM = 0
55		13		(80)	- with gravel (fine, sub-angular) at 55 feet							
60		14		(76)	▽ Clayey SAND (SC): very dense, brown, wet, fine-grained							
65												
70												
75												
80												
85												
90												
95												

BORING DEPTH: 61.0 ft
DEPTH TO WATER: 60.0 ft

COMPLETION DATE: June 19, 2006
NOTES: 1. Terms and symbols defined on Plate A-1.

DRILLING METHOD: 6-in. dia. Hollow Stem Auger
HAMMER TYPE: Automatic Trip
RIG TYPE: CME
DRILLED BY: Clearheart,
LOGGED BY: O Nzewi

LOG OF BORING NO. B-13

2801 MacArthur Blvd
Oakland, California

Project No. 838.006

DEPTH, ft	MATERIAL SYMBOL	SAMPLE NO.	SAMPLER TYPE	SAMPLER BLOW COUNT/ PRESSURE, psi	LOCATION: SURFACE EL: Not Surveyed — MATERIAL DESCRIPTION	DRY UNIT WEIGHT, pcf	WATER CONTENT, %	% PASSING #200 SIEVE	LIQUID LIMIT, %	PLASTICITY INDEX	UNDRAINED SHEAR STRENGTH, S_u, ksf	OTHER TESTS
0					Asphalt Baserock:							
					CLAY (CL): hard, red brown, moist, with sand (fine- to medium-grained)							
5		1		(63)								OVM = 0
10												OVM = 0
15		2		(77)	Sandy CLAY (CL): hard, red brown to yellow brown, moist, fine- to medium-grained, with gravel (fine sub-angular)							OVM = 0
20												OVM = 0
25		3 4		(87)	Clayey SAND (SC): very dense, light yellow brown, moist, fine- to medium-grained, with gravel (fine, sub-angular)							OVM = 0
					CLAY (CL): greenish light brown, moist							
30		5		(100)	Silty SAND (SM): hard, light brown to brown, moist, fine- to medium-grained, with gravel (coarse, sub-angular)							
35		6		(82)	CLAY (CL): hard, light brown to brown with black mottling, moist, fine-to medium-grained							OVM = 0
40		7		(92)	Sandy CLAY (CL): hard, light brown to brown, moist, fine- to medium-grained, with gravel (fine, sub-angular)							OVM = 0
45		8		(77)	▽ Sandy CLAY (CL): hard, brown, wet, fine- to medium-grained, with gravel (fine, sub-angular)							

BORING DEPTH: 47.5 ft
DEPTH TO WATER: 45.0 ft

COMPLETION DATE: June 20, 2006
NOTES: 1. Terms and symbols defined on Plate A-1.

DRILLING METHOD: 6-in. dia. Hollow Stem Auger
HAMMER TYPE: Automatic Trip
RIG TYPE: CME
DRILLED BY: Clearheart,
LOGGED BY: O Nzewi

LOG OF BORING NO. B-14

2801 MacArthur Blvd
Oakland, California

Project No. 838.006

DEPTH, ft	MATERIAL SYMBOL	SAMPLE NO.	SAMPLER TYPE	SAMPLER BLOW COUNT/ PRESSURE, psi	LOCATION: SURFACE EL: Not Surveyed — MATERIAL DESCRIPTION	DRY UNIT WEIGHT, pcf	WATER CONTENT, %	% PASSING #200 SIEVE	LIQUID LIMIT, %	PLASTICITY INDEX	UNDRAINED SHEAR STRENGTH, S_u, ksf	OTHER TESTS
					Asphalt Baserock:							
					Sandy Clay: hard, reddish brown, moist, fine- to medium-grained							
5		1		(78)	Sandy CLAY (CL): hard, reddish brown, moist, fine- to medium-grained, with gravel (fine, sub-angular)							OVM = 0
10		2		(56)								OVM = 0
15		3		(81)								OVM = 0
					Sandy CLAY (CL): hard, reddish brown to yellow brown, moist, fine- to medium-grained, with gravel (fine, sub-angular)							
20		4		(97)	Sandy CLAY (CL): hard, greenish gray, moist, fine- to medium-grained, with gravel (fine, sub-angular)							OVM = 0
25		5 6		(79)	Sandy CLAY (CL): hard, light brown to green brown, moist, fine- to medium-grained, with gravel (fine, sub-angular) - slight hydrocarbon odor							OVM = 1.8 OVM = 0
30		7 8		(81)								OVM = 235 OVM = 0
35		9		(81)	▽							OVM = 36 OVM = 35
					Sandy CLAY (CL): hard, light brown to green brown, wet, with hydrocarbon odor							
40		10 11 12		(73)								OVM = 109 OVM = 252 OVM = 107
45		13		(50/6")	- brown at 45 feet							OVM = 15

BORING DEPTH: 46.5 ft
DEPTH TO WATER: 36.0 ft

COMPLETION DATE: June 20, 2006
NOTES: 1. Terms and symbols defined on Plate A-1.

DRILLING METHOD: 6-in. dia. Hollow Stem Auger
HAMMER TYPE: Automatic Trip
RIG TYPE: CME
DRILLED BY: Clearheart,
LOGGED BY: O Nzewi

LOG OF BORING NO. B-15

2801 MacArthur Blvd
Oakland, California

Project No. 838.006

DEPTH, ft	MATERIAL SYMBOL	SAMPLE NO.	SAMPLER TYPE	SAMPLER BLOW COUNT/ PRESSURE, psi	LOCATION: SURFACE EL: Not Surveyed — MATERIAL DESCRIPTION	DRY UNIT WEIGHT, pcf	WATER CONTENT, %	% PASSING #200 SIEVE	LIQUID LIMIT, %	PLASTICITY INDEX	UNDRAINED SHEAR STRENGTH, S_u, ksf	OTHER TESTS
					Asphalt Baserock: SAND (SP): loose, dark brown, dry, fine- to medium-grained, with gravel (fine, rounded) (Fill)							
5		1		(26)	Silty SAND (SM): medium dense, brown, dry, fine- to medium-grained, with gravel (fine, sub-angular to sub-rounded) (Fill)							OVM = 0
10		2		(14)	Sandy CLAY (CL): firm to stiff, reddish brown, moist, fine- to medium-grained							OVM = 0
15		3		(45)	- very stiff at 15 feet							OVM = 0
20		4		(50/5")	Sandy CLAY (CL): hard, light brown to green brown, moist, fine- to medium-grained, with gravel (fine, sub-angular)							OVM = 0
25		5 6		(94)	▼ - slight hydrocarbon odor at 25 feet Sandy CLAY (CL): hard, brown to reddish brown, dry, fine- to medium-grained							OVM = 1.8 OVM = 26 OVM = 1.8
30		7 8		(50/3")	Clayey SAND (SC): medium dense, green, moist, fine- to medium-grained, with gravel (fine, sub-angular) with strong hydrocarbon odor							OVM = 359
35		9		(89)	Gravel (GP): very dense, reddish brown, moist, fine, sub-angular							OVM = 53
40				(91)	Sandy CLAY (CL): hard, brown, dry, fine- to medium-grained							OVM = 0
45				(50/6")								OVM = 0

BORING DEPTH: 46.5 ft
DEPTH TO WATER: Not Encountered during initial drilling

COMPLETION DATE: June 21, 2006
NOTES: 1. Terms and symbols defined on Plate A-1.

DRILLING METHOD: 6-in. dia. Hollow Stem Auger
HAMMER TYPE: Automatic Trip
RIG TYPE: CME
DRILLED BY: Clearheart,
LOGGED BY: O Nzewi

LOG OF BORING NO. B-16

2801 MacArthur Blvd
Oakland, California

Project No. 838.006

DEPTH, ft	MATERIAL SYMBOL	SAMPLE NO.	SAMPLER TYPE	SAMPLER BLOW COUNT/ PRESSURE, psi	LOCATION: SURFACE EL: Not Surveyed MATERIAL DESCRIPTION	DRY UNIT WEIGHT, pcf	WATER CONTENT, %	% PASSING #200 SIEVE	LIQUID LIMIT, %	PLASTICITY INDEX	UNDRAINED SHEAR STRENGTH, S_u, ksf	OTHER TESTS
					Asphalt Baserock:							
					Sandy CLAY (CL): hard, reddish brown to yellow brown, dry, fine- to medium-grained, with gravel (fine, sub-angular)							
5		1		(68)								OVM = 0
10		2		(74)								~~OVM = 0~~
15				(50/1")								OVM = 0
20												
25		4		(89)	- green streaks at 25 feet							OVM = 0
30		5		(71)	▼							OVM = 0
					Sandy CLAY (CL): hard, green to greenish brown, dry, fine- to medium-grained, with gravel (fine, sub-angular)							
35		6		(81)								OVM = 0
40		7		(86)								~~OVM = 0~~
45		8		(50/5")								

BORING DEPTH: 45.0 ft
DEPTH TO WATER: Not Encountered during initial drilling

COMPLETION DATE: June 20, 2006
NOTES: 1. Terms and symbols defined on Plate A-1.

DRILLING METHOD: 6-in. dia. Hollow Stem Auger
HAMMER TYPE: Automatic Trip
RIG TYPE: CME
DRILLED BY: Clearheart
LOGGED BY: O Nzewi

LOG OF BORING NO. B-17

2801 MacArthur Blvd
Oakland, California

Project No. 838.006

DEPTH, ft	MATERIAL SYMBOL	SAMPLE NO.	SAMPLER TYPE	SAMPLER BLOW COUNT/ PRESSURE, psi	LOCATION: SURFACE EL: Not Surveyed MATERIAL DESCRIPTION	DRY UNIT WEIGHT, pcf	WATER CONTENT, %	% PASSING #200 SIEVE	LIQUID LIMIT, %	PLASTICITY INDEX	UNDRAINED SHEAR STRENGTH, S_u, ksf	OTHER TESTS
					Asphalt Baserock:							
					Sandy GRAVEL (GP): loose to medium dense, gray brown, moist, (fine, sub-angular), (fine- to medium-grained (Fill)							
5					SAND (SP): loose to medium dense, brown, dry, fine- to medium-grained, with gravel (fine, sub-angular) (Fill)							OVM = 0
10		1			Clayey SAND (SC): medium dense, brown to greenish brown, moist, fine- to medium-grained, with gravel (fine, sub-angular)							
15		2			▽ Sandy CLAY (CL): stiff, brown, wet, fine- to medium-grained, with gravel (fine, sub-angular), with strong hydrocarbon odor							OVM = 350
		3										OVM = 210
20		4										~~OVM = 79~~
25		5			Sandy CLAY (CL): stiff, brown to green brown, wet, fine- to medium-grained, with strong hydrocarbon odor							OVM = 201
30		6			Sandy CLAY (CL): stiff, brown - green brown, wet, fine- to medium-grained, with gravel (fine, sub-angular), with strong hydrocarbon odor							~~OVM = 160~~
35		7			Clayey SAND (SC): medium dense, green, wet, fine- to medium-grained, with gravel (fine, sub-angular), with hydrocarbon odor							OVM = 204
40		8			Sandy CLAY (CL): stiff, reddish brown to brown, wet, fine- to medium-grained, with slight hydrocarbon odor							OVM = 44
45												OVM = 38

BORING DEPTH: 45.0 ft
DEPTH TO WATER: 15.0 ft

COMPLETION DATE: June 23, 2006
NOTES: 1. Terms and symbols defined on Plate A-1.

DRILLING METHOD: 6-in. dia. Hollow Stem Auger
HAMMER TYPE: Automatic Trip
RIG TYPE: DR10K
DRILLED BY: Clearheart,
LOGGED BY: O Nzewi

LOG OF BORING NO. B-18

2801 MacArthur Blvd
Oakland, California

APPENDIX C
LABORATORY REPORTS

July 07, 2006

Obi Nzewi
Fugro West, Inc.
1000 Broadway, Suite 200
Oakland, CA 94607
TEL: (510) 268-0461
FAX: (510) 268-0137

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 085202

RE: APA Fund, 838.006

Attention: Obi Nzewi

Enclosed are the results for sample(s) received on June 23, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

Advanced Technology Laboratories

Date: *07-Jul-06*

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-001 **Collection Date:** 6/21/2006 8:10:00 AM
Client Sample ID: B-16 **Matrix:** WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
	EPA 3510C			**EPA 8015B(M)**		
RunID: GC7_060626B	QC Batch: 28810			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	5.0	0.050		mg/L	1	6/26/2006
ORO	0.10	0.050		mg/L	1	6/26/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060627B	QC Batch: I06VW170			PrepDate:		Analyst: **TT**
GRO	33	0.050		mg/L	1	6/28/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060627B	QC Batch: A06VW184			PrepDate:		Analyst: **HH**
1,2-Dibromoethane	ND	0.50		µg/L	1	6/28/2006
1,2-Dichloroethane	4.6	0.50		µg/L	1	6/28/2006
Benzene	2200	25		µg/L	50	6/28/2006
Di-isopropyl ether	ND	0.50		µg/L	1	6/28/2006
Ethyl tert-butyl ether	ND	0.50		µg/L	1	6/28/2006
Ethylbenzene	1800	25		µg/L	50	6/28/2006
m,p-Xylene	4200	50		µg/L	50	6/28/2006
MTBE	32	0.50		µg/L	1	6/28/2006
o-Xylene	1300	25		µg/L	50	6/28/2006
Tert-amyl methyl ether	ND	0.50		µg/L	1	6/28/2006
Tert-Butanol	ND	10		µg/L	1	6/28/2006
Toluene	1300	25		µg/L	50	6/28/2006

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-002 **Collection Date:** 6/21/2006 9:00:00 AM
Client Sample ID: B-17 **Matrix:** WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
	EPA 3510C			**EPA 8015B(M)**		
RunID: GC7_060626B	QC Batch: 28810			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	0.088	0.050		mg/L	1	6/26/2006
ORO	0.23	0.050		mg/L	1	6/26/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060629A	QC Batch: I06VW171			PrepDate:		Analyst: **TT**
GRO	0.059	0.050		mg/L	1	6/29/2006
GRO	0.059	0.050		mg/L	1	7/5/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060628A	QC Batch: A06VW185			PrepDate:		Analyst: **HH**
1,2-Dibromoethane	ND	0.50		µg/L	1	6/28/2006
1,2-Dichloroethane	2.6	0.50		µg/L	1	6/28/2006
Benzene	ND	0.50		µg/L	1	6/28/2006
Di-isopropyl ether	ND	0.50		µg/L	1	6/28/2006
Ethyl tert-butyl ether	ND	0.50		µg/L	1	6/28/2006
Ethylbenzene	0.60	0.50		µg/L	1	6/28/2006
m,p-Xylene	ND	1.0		µg/L	1	6/28/2006
MTBE	ND	0.50		µg/L	1	6/28/2006
o-Xylene	ND	0.50		µg/L	1	6/28/2006
Tert-amyl methyl ether	ND	0.50		µg/L	1	6/28/2006
Tert-Butanol	ND	10		µg/L	1	6/28/2006
Toluene	ND	0.50		µg/L	1	6/28/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-003 **Collection Date:** 6/21/2006 11:40:00 AM
Client Sample ID: M-4 **Matrix:** WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID		**EPA 3510C**		**EPA 8015B(M)**		
RunID: GC7_060626B	QC Batch: 28810			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	0.26	0.050		mg/L	1	6/26/2006
ORO	0.071	0.050		mg/L	1	6/26/2006
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC6_060627B	QC Batch: I06VW170			PrepDate:		Analyst: **TT**
GRO	3.0	0.050		mg/L	1	6/28/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**EPA 8260B**		
RunID: MS11_060627B	QC Batch: A06VW184			PrepDate:		Analyst: **HH**
1,2-Dibromoethane	ND	0.50		µg/L	1	6/28/2006
1,2-Dichloroethane	ND	0.50		µg/L	1	6/28/2006
Benzene	480	10		µg/L	20	6/28/2006
Di-isopropyl ether	1.3	0.50		µg/L	1	6/28/2006
Ethyl tert-butyl ether	ND	0.50		µg/L	1	6/28/2006
Ethylbenzene	10	0.50		µg/L	1	6/28/2006
m,p-Xylene	16	1.0		µg/L	1	6/28/2006
MTBE	ND	0.50		µg/L	1	6/28/2006
o-Xylene	1.5	0.50		µg/L	1	6/28/2006
Tert-amyl methyl ether	ND	0.50		µg/L	1	6/28/2006
Tert-Butanol	32	10		µg/L	1	6/28/2006
Toluene	9.6	0.50		µg/L	1	6/28/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-004 **Collection Date:** 6/21/2006 12:05:00 PM
Client Sample ID: P-1 **Matrix:** WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID		**EPA 3510C**		**EPA 8015B(M)**		
RunID: GC7_060626B	QC Batch: 28810			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	0.61	0.050		mg/L	1	6/27/2006
ORO	0.090	0.050		mg/L	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID				**EPA 8015B(M)**		
RunID: GC6_060627B	QC Batch: I06VW170			PrepDate:		Analyst: **TT**
GRO	3.2	0.050		mg/L	1	6/28/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**EPA 8260B**		
RunID: MS11_060627B	QC Batch: A06VW184			PrepDate:		Analyst: **HH**
1,2-Dibromoethane	ND	0.50		µg/L	1	6/28/2006
1,2-Dichloroethane	ND	0.50		µg/L	1	6/28/2006
Benzene	430	10		µg/L	20	6/28/2006
Di-isopropyl ether	1.8	0.50		µg/L	1	6/28/2006
Ethyl tert-butyl ether	ND	0.50		µg/L	1	6/28/2006
Ethylbenzene	31	0.50		µg/L	1	6/28/2006
m,p-Xylene	6.4	1.0		µg/L	1	6/28/2006
MTBE	6.4	0.50		µg/L	1	6/28/2006
o-Xylene	ND	0.50		µg/L	1	6/28/2006
Tert-amyl methyl ether	ND	0.50		µg/L	1	6/28/2006
Tert-Butanol	80	10		µg/L	1	6/28/2006
Toluene	2.6	0.50		µg/L	1	6/28/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-005 **Collection Date:** 6/21/2006 9:25:00 AM
Client Sample ID: B-16@5.0' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate: 6/28/2006		Analyst: **CBR**
DRO	10	1.0		mg/Kg	1	6/29/2006
ORO	44	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060627A	QC Batch: E06VS130			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/27/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060628B	QC Batch: R06VS126			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/28/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/28/2006
Benzene	ND	5.0		µg/Kg	1	6/28/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/28/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/28/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/28/2006
m,p-Xylene	ND	10		µg/Kg	1	6/28/2006
MTBE	ND	5.0		µg/Kg	1	6/28/2006
o-Xylene	ND	5.0		µg/Kg	1	6/28/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/28/2006
Tert-Butanol	ND	100		µg/Kg	1	6/28/2006
Toluene	ND	5.0		µg/Kg	1	6/28/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-006 **Collection Date:** 6/21/2006 9:45:00 AM
Client Sample ID: B-16@15.0' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate: 6/28/2006		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	6/29/2006
ORO	1.5	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060627A	QC Batch: E06VS130			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/27/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060628B	QC Batch: R06VS126			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/28/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/28/2006
Benzene	ND	5.0		µg/Kg	1	6/28/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/28/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/28/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/28/2006
m,p-Xylene	ND	10		µg/Kg	1	6/28/2006
MTBE	ND	5.0		µg/Kg	1	6/28/2006
o-Xylene	ND	5.0		µg/Kg	1	6/28/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/28/2006
Tert-Butanol	ND	100		µg/Kg	1	6/28/2006
Toluene	ND	5.0		µg/Kg	1	6/28/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-007 **Collection Date:** 6/21/2006 10:00:00 AM
Client Sample ID: B-16@20.0' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate: 6/28/2006		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	6/29/2006
ORO	1.4	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060627A	QC Batch: E06VS130			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/27/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060628B	QC Batch: R06VS126			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/28/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/28/2006
Benzene	ND	5.0		µg/Kg	1	6/28/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/28/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/28/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/28/2006
m,p-Xylene	ND	10		µg/Kg	1	6/28/2006
MTBE	ND	5.0		µg/Kg	1	6/28/2006
o-Xylene	ND	5.0		µg/Kg	1	6/28/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/28/2006
Tert-Butanol	ND	100		µg/Kg	1	6/28/2006
Toluene	ND	5.0		µg/Kg	1	6/28/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-008 **Collection Date:** 6/21/2006 10:10:00 AM
Client Sample ID: B-16@25.5 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate: 6/28/2006		Analyst: **CBR**
DRO	1.3	1.0		mg/Kg	1	6/29/2006
ORO	2.4	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060627A	QC Batch: E06VS130			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/27/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060628B	QC Batch: R06VS126			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/28/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/28/2006
Benzene	ND	5.0		µg/Kg	1	6/28/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/28/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/28/2006
Ethylbenzene	5.4	5.0		µg/Kg	1	6/28/2006
m,p-Xylene	ND	10		µg/Kg	1	6/28/2006
MTBE	ND	5.0		µg/Kg	1	6/28/2006
o-Xylene	ND	5.0		µg/Kg	1	6/28/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/28/2006
Tert-Butanol	ND	100		µg/Kg	1	6/28/2006
Toluene	ND	5.0		µg/Kg	1	6/28/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-009 **Collection Date:** 6/21/2006 10:32:00 AM
Client Sample ID: B-16@30.5' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate: 6/28/2006		Analyst: **CBR**
DRO	43	1.0		mg/Kg	1	6/29/2006
ORO	2.9	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060627B	QC Batch: E06VS131			PrepDate:		Analyst: **ML**
GRO	630	50		mg/Kg	50	6/28/2006
GRO	780	50		mg/Kg	50	6/28/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060628B	QC Batch: R06VS126			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	500		µg/Kg	100	6/28/2006
1,2-Dichloroethane	ND	500		µg/Kg	100	6/28/2006
Benzene	2000	500		µg/Kg	100	6/28/2006
Di-isopropyl ether	ND	500		µg/Kg	100	6/28/2006
Ethyl Tert-butyl ether	ND	500		µg/Kg	100	6/28/2006
Ethylbenzene	32000	500		µg/Kg	100	6/28/2006
m,p-Xylene	110000	5000		µg/Kg	500	6/29/2006
MTBE	ND	500		µg/Kg	100	6/28/2006
o-Xylene	8500	500		µg/Kg	100	6/28/2006
Tert-amyl methyl ether	ND	500		µg/Kg	100	6/28/2006
Tert-Butanol	ND	10000		µg/Kg	100	6/28/2006
Toluene	650	500		µg/Kg	100	6/28/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-010 **Collection Date:** 6/21/2006 10:50:00 AM
Client Sample ID: B-16@35.0' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate:	6/28/2006	Analyst: **CBR**
DRO	2.1	1.0		mg/Kg	1	6/29/2006
ORO	3.0	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060628A	QC Batch: E06VS132			PrepDate:		Analyst: **ML**
GRO	1.0	1.0		mg/Kg	1	6/28/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060628B	QC Batch: R06VS126			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/28/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/28/2006
Benzene	11	5.0		µg/Kg	1	6/28/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/28/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/28/2006
Ethylbenzene	29	5.0		µg/Kg	1	6/28/2006
m,p-Xylene	38	10		µg/Kg	1	6/28/2006
MTBE	ND	5.0		µg/Kg	1	6/28/2006
o-Xylene	ND	5.0		µg/Kg	1	6/28/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/28/2006
Tert-Butanol	ND	100		µg/Kg	1	6/28/2006
Toluene	ND	5.0		µg/Kg	1	6/28/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-011 **Collection Date:** 6/21/2006 11:10:00 AM
Client Sample ID: B-16@40.0' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate: 6/28/2006		Analyst: **CBR**
DRO	1.4	1.0		mg/Kg	1	6/29/2006
ORO	1.9	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060627A	QC Batch: E06VS130			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/27/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060628B	QC Batch: R06VS126			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/28/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/28/2006
Benzene	ND	5.0		µg/Kg	1	6/28/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/28/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/28/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/28/2006
m,p-Xylene	ND	10		µg/Kg	1	6/28/2006
MTBE	ND	5.0		µg/Kg	1	6/28/2006
o-Xylene	ND	5.0		µg/Kg	1	6/28/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/28/2006
Tert-Butanol	ND	100		µg/Kg	1	6/28/2006
Toluene	ND	5.0		µg/Kg	1	6/28/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-012 **Collection Date:** 6/21/2006 11:20:00 AM
Client Sample ID: B-16@45.0' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A QC Batch: 28899				PrepDate: 6/28/2006		Analyst: **CBR**
DRO	1.2	1.0		mg/Kg	1	6/29/2006
ORO	1.7	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060627A QC Batch: E06VS130				PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/27/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060628B QC Batch: R06VS126				PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/29/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/29/2006
Benzene	ND	5.0		µg/Kg	1	6/29/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/29/2006
m,p-Xylene	ND	10		µg/Kg	1	6/29/2006
MTBE	ND	5.0		µg/Kg	1	6/29/2006
o-Xylene	ND	5.0		µg/Kg	1	6/29/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/29/2006
Tert-Butanol	ND	100		µg/Kg	1	6/29/2006
Toluene	ND	5.0		µg/Kg	1	6/29/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-013 **Collection Date:** 6/21/2006 1:20:00 PM
Client Sample ID: B-17@10.0' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate: 6/28/2006		Analyst: **CBR**
DRO	1.5	1.0		mg/Kg	1	6/29/2006
ORO	2.4	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060627A	QC Batch: E06VS130			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/27/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060628B	QC Batch: R06VS126			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/29/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/29/2006
Benzene	ND	5.0		µg/Kg	1	6/29/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/29/2006
m,p-Xylene	ND	10		µg/Kg	1	6/29/2006
MTBE	ND	5.0		µg/Kg	1	6/29/2006
o-Xylene	ND	5.0		µg/Kg	1	6/29/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/29/2006
Tert-Butanol	ND	100		µg/Kg	1	6/29/2006
Toluene	ND	5.0		µg/Kg	1	6/29/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-014 **Collection Date:** 6/21/2006 2:15:00 PM
Client Sample ID: B-17@19.0' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate:	6/28/2006	Analyst: **CBR**
DRO	1.8	1.0		mg/Kg	1	6/29/2006
ORO	2.9	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060627A	QC Batch: E06VS130			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/27/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060628B	QC Batch: R06VS126			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/29/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/29/2006
Benzene	ND	5.0		µg/Kg	1	6/29/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/29/2006
m,p-Xylene	ND	10		µg/Kg	1	6/29/2006
MTBE	ND	5.0		µg/Kg	1	6/29/2006
o-Xylene	ND	5.0		µg/Kg	1	6/29/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/29/2006
Tert-Butanol	ND	100		µg/Kg	1	6/29/2006
Toluene	ND	5.0		µg/Kg	1	6/29/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-015 **Collection Date:** 6/21/2006 2:30:00 PM
Client Sample ID: B-17@25.0' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate: 6/28/2006		Analyst: **CBR**
DRO	1.2	1.0		mg/Kg	1	6/29/2006
ORO	1.5	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060627A	QC Batch: E06VS130			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/27/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060628B	QC Batch: R06VS126			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/29/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/29/2006
Benzene	ND	5.0		µg/Kg	1	6/29/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/29/2006
m,p-Xylene	ND	10		µg/Kg	1	6/29/2006
MTBE	ND	5.0		µg/Kg	1	6/29/2006
o-Xylene	ND	5.0		µg/Kg	1	6/29/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/29/2006
Tert-Butanol	ND	100		µg/Kg	1	6/29/2006
Toluene	ND	5.0		µg/Kg	1	6/29/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-016 **Collection Date:** 6/21/2006 2:43:00 PM
Client Sample ID: B-17@30.5' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate:	6/28/2006	Analyst: **CBR**
DRO	1.3	1.0		mg/Kg	1	6/29/2006
ORO	2.3	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060628A	QC Batch: E06VS132			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/28/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060628B	QC Batch: R06VS126			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/29/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/29/2006
Benzene	ND	5.0		µg/Kg	1	6/29/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/29/2006
m,p-Xylene	ND	10		µg/Kg	1	6/29/2006
MTBE	ND	5.0		µg/Kg	1	6/29/2006
o-Xylene	ND	5.0		µg/Kg	1	6/29/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/29/2006
Tert-Butanol	ND	100		µg/Kg	1	6/29/2006
Toluene	ND	5.0		µg/Kg	1	6/29/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-017 **Collection Date:** 6/21/2006 3:00:00 PM
Client Sample ID: B-17@35.0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate: 6/28/2006		Analyst: **CBR**
DRO	1.3	1.0		mg/Kg	1	6/29/2006
ORO	1.6	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060627B	QC Batch: E06VS131			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/28/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060629A	QC Batch: R06VS127			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/29/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/29/2006
Benzene	ND	5.0		µg/Kg	1	6/29/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/29/2006
m,p-Xylene	ND	10		µg/Kg	1	6/29/2006
MTBE	ND	5.0		µg/Kg	1	6/29/2006
o-Xylene	ND	5.0		µg/Kg	1	6/29/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/29/2006
Tert-Butanol	ND	100		µg/Kg	1	6/29/2006
Toluene	ND	5.0		µg/Kg	1	6/29/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-018 **Collection Date:** 6/21/2006 3:26:00 PM
Client Sample ID: B-17@40.0' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
	EPA 3550B			**EPA 8015B(M)**		
RunID: GC7_BACK_060629B	QC Batch: 28920			PrepDate: 6/29/2006		Analyst: **CBR**
DRO	1.6	1.0		mg/Kg	1	6/30/2006
ORO	2.4	1.0		mg/Kg	1	6/30/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060628A	QC Batch: E06VS132			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/28/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060628B	QC Batch: R06VS126			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/29/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/29/2006
Benzene	ND	5.0		µg/Kg	1	6/29/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/29/2006
m,p-Xylene	ND	10		µg/Kg	1	6/29/2006
MTBE	ND	5.0		µg/Kg	1	6/29/2006
o-Xylene	ND	5.0		µg/Kg	1	6/29/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/29/2006
Tert-Butanol	ND	100		µg/Kg	1	6/29/2006
Toluene	ND	5.0		µg/Kg	1	6/29/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc. **Lab Order:** 085202
Project: APA Fund, 838.006

Lab ID: 085202-019 **Collection Date:** 6/21/2006 3:37:00 PM
Client Sample ID: B-17@45.0' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_BACK_060629B QC Batch: 28920				PrepDate: 6/29/2006		Analyst: **CBR**
DRO	1.6	1.0		mg/Kg	1	6/30/2006
ORO	2.6	1.0		mg/Kg	1	6/30/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060627B QC Batch: E06VS131				PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/28/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060628B QC Batch: R06VS126				PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/29/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/29/2006
Benzene	ND	5.0		µg/Kg	1	6/29/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/29/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/29/2006
m,p-Xylene	ND	10		µg/Kg	1	6/29/2006
MTBE	ND	5.0		µg/Kg	1	6/29/2006
o-Xylene	ND	5.0		µg/Kg	1	6/29/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/29/2006
Tert-Butanol	ND	100		µg/Kg	1	6/29/2006
Toluene	ND	5.0		µg/Kg	1	6/29/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085202
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: LCS-28899	SampType: LCS	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/28/2006	RunNo: 65118
Client ID: LCSS	Batch ID: 28899	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/29/2006	SeqNo: 966263

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	19.211	1.0	33.00	0	58.2	38	106				

Sample ID: MB-28899	SampType: MBLK	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/28/2006	RunNo: 65118
Client ID: PBS	Batch ID: 28899	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/29/2006	SeqNo: 966264

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									

Sample ID: 085175-025AMS	SampType: MS	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/28/2006	RunNo: 65118
Client ID: ZZZZZZ	Batch ID: 28899	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/29/2006	SeqNo: 966277

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	13.364	1.0	33.00	0	40.5	27	109				

Sample ID: 085175-025AMSD	SampType: MSD	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/28/2006	RunNo: 65118
Client ID: ZZZZZZ	Batch ID: 28899	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/29/2006	SeqNo: 966278

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	13.569	1.0	33.00	0	41.1	27	109	13.36	1.52	30	

Sample ID: MB-28899	SampType: MBLK	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/28/2006	RunNo: 65118
Client ID: PBS	Batch ID: 28899	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/29/2006	SeqNo: 966279

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

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CLIENT: Fugro West, Inc.
Work Order: 085202
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: LCS-28899	SampType: LCS	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/28/2006	RunNo: 65118
Client ID: LCSS	Batch ID: 28899	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/29/2006	SeqNo: 966280

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	20.861	1.0	33.00	0	63.2	38	106				

Sample ID: MB-28899	SampType: MBLK	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/28/2006	RunNo: 65118
Client ID: PBS	Batch ID: 28899	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/30/2006	SeqNo: 966796

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									

Sample ID: LCS-28899	SampType: LCS	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/28/2006	RunNo: 65118
Client ID: LCSS	Batch ID: 28899	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/30/2006	SeqNo: 966797

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	23.390	1.0	33.00	0	70.9	38	106				

Qualifiers:

- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interferenc
- DO Surrogate Diluted Out

Calculations are based on raw values

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CLIENT: Fugro West, Inc.
Work Order: 085202
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **MB-28920**	SampType: **MBLK**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/29/2006**	RunNo: **65170**
Client ID: **PBS**	Batch ID: **28920**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **6/29/2006**	SeqNo: **967296**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									

Sample ID: **LCS-28920**	SampType: **LCS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/29/2006**	RunNo: **65170**
Client ID: **LCSS**	Batch ID: **28920**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **6/29/2006**	SeqNo: **967297**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	14.276	1.0	33.00	0	43.3	38	106				

Sample ID: **085258-003AMS**	SampType: **MS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/29/2006**	RunNo: **65170**
Client ID: **ZZZZZZ**	Batch ID: **28920**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **6/29/2006**	SeqNo: **967298**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	154.535	1.0	33.00	502.8	-1060	27	109				S

Sample ID: **085258-003AMSD**	SampType: **MSD**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/29/2006**	RunNo: **65170**
Client ID: **ZZZZZZ**	Batch ID: **28920**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **6/30/2006**	SeqNo: **967299**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	491.014	1.0	33.00	502.8	-35.8	27	109	154.5	104	30	SRE

Sample ID: **MB-28920**	SampType: **MBLK**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/29/2006**	RunNo: **65256**
Client ID: **PBS**	Batch ID: **28920**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **7/5/2006**	SeqNo: **969149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **085258-003AMSD**	SampType: **MSD**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/29/2006**	RunNo: **65256**
Client ID: **ZZZZZZ**	Batch ID: **28920**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **7/5/2006**	SeqNo: **969150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	471.187	10	33.00	460.7	31.7	25	109	154.5	101	30	R

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out

Calculations are based on raw values

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E062706MB1	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65063
Client ID: PBS	Batch ID: E06VS130	TestNo: EPA 8015B(M		Analysis Date: 6/27/2006	SeqNo: 965349

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.211	1.0									

Sample ID: E062706MB1MS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65063
Client ID: ZZZZZZ	Batch ID: E06VS130	TestNo: EPA 8015B(M		Analysis Date: 6/27/2006	SeqNo: 965350

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.779	1.0	5.000	0.2110	91.4	34	140				

Sample ID: E062706MB1MSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65063
Client ID: ZZZZZZ	Batch ID: E06VS130	TestNo: EPA 8015B(M		Analysis Date: 6/27/2006	SeqNo: 965351

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.889	1.0	5.000	0.2110	93.6	34	140	4.779	2.28	30	

Sample ID: E062706LCS2	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65063
Client ID: LCSS	Batch ID: E06VS130	TestNo: EPA 8015B(M		Analysis Date: 6/27/2006	SeqNo: 965361

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.853	1.0	5.000	0.2110	92.8	78	122				

Qualifiers:

- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interferenc
- DO Surrogate Diluted Out

Calculations are based on raw values

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CLIENT: Fugro West, Inc.
Work Order: 085202
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E0602706MB2**	SampType: **MBLK**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **65064**
Client ID: **PBS**	Batch ID: **E06VS131**	TestNo: **EPA 8015B(M**		Analysis Date: **6/27/2006**	SeqNo: **965392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.167	1.0									

Sample ID: **085219-001AMS**	SampType: **MS**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **65064**
Client ID: **ZZZZZZ**	Batch ID: **E06VS131**	TestNo: **EPA 8015B(M**		Analysis Date: **6/27/2006**	SeqNo: **965394**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.371	1.0	5.000	0	87.4	34	140				

Sample ID: **085219-001AMSD**	SampType: **MSD**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **65064**
Client ID: **ZZZZZZ**	Batch ID: **E06VS131**	TestNo: **EPA 8015B(M**		Analysis Date: **6/27/2006**	SeqNo: **965395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.180	1.0	5.000	0	83.6	34	140	4.371	4.47	30	

Sample ID: **E062706LCS4**	SampType: **LCS**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:	RunNo: **65064**
Client ID: **LCSS**	Batch ID: **E06VS131**	TestNo: **EPA 8015B(M**		Analysis Date: **6/28/2006**	SeqNo: **965403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.881	1.0	5.000	0.1670	94.3	78	122				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Fugro West, Inc.
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E062806MB1**	SampType: **MBLK**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:				RunNo: **65088**		
Client ID: **PBS**	Batch ID: **E06VS132**	TestNo: **EPA 8015B(M**		Analysis Date: **6/28/2006**				SeqNo: **965789**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									

Sample ID: **E062806MB1MS**	SampType: **MS**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:				RunNo: **65088**		
Client ID: **ZZZZZZ**	Batch ID: **E06VS132**	TestNo: **EPA 8015B(M**		Analysis Date: **6/28/2006**				SeqNo: **965790**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.906	1.0	5.000	0	98.1	34	140				

Sample ID: **E062806MB1MSD**	SampType: **MSD**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:				RunNo: **65088**		
Client ID: **ZZZZZZ**	Batch ID: **E06VS132**	TestNo: **EPA 8015B(M**		Analysis Date: **6/28/2006**				SeqNo: **965791**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.956	1.0	5.000	0	99.1	34	140	4.906	1.01	30	

Sample ID: **E062806LCS2**	SampType: **LCS**	TestCode: **8015_S_GAS**	Units: **mg/Kg**	Prep Date:				RunNo: **65088**		
Client ID: **LCSS**	Batch ID: **E06VS132**	TestNo: **EPA 8015B(M**		Analysis Date: **6/28/2006**				SeqNo: **965801**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.756	1.0	5.000	0	95.1	78	122				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out

Calculations are based on raw values

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DM_LL

Sample ID: **MB-28810**	SampType: **MBLK**	TestCode: **8015_W_DM_**	Units: **mg/L**	Prep Date: **6/26/2006**	RunNo: **65070**
Client ID: **PBW**	Batch ID: **28810**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **6/26/2006**	SeqNo: **965479**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.050									
ORO	ND	0.050									

Sample ID: **LCS-28810**	SampType: **LCS**	TestCode: **8015_W_DM_**	Units: **mg/L**	Prep Date: **6/26/2006**	RunNo: **65070**
Client ID: **LCSW**	Batch ID: **28810**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **6/26/2006**	SeqNo: **965480**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.742	0.050	1.000	0	74.2	60	130				

Sample ID: **MB-28810MS**	SampType: **MS**	TestCode: **8015_W_DM_**	Units: **mg/L**	Prep Date: **6/26/2006**	RunNo: **65070**
Client ID: **ZZZZZZ**	Batch ID: **28810**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **6/26/2006**	SeqNo: **965481**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.664	0.050	1.000	0	66.4	60	130				

Sample ID: **MB-28810MSD**	SampType: **MSD**	TestCode: **8015_W_DM_**	Units: **mg/L**	Prep Date: **6/26/2006**	RunNo: **65070**
Client ID: **ZZZZZZ**	Batch ID: **28810**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **6/26/2006**	SeqNo: **965482**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.748	0.050	1.000	0	74.8	60	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Fugro West, Inc.
Work Order: 085202
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: I062706LCS4	SampType: LCS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65057
Client ID: LCSW	Batch ID: I06VW170	TestNo: EPA 8015B(M		Analysis Date: 6/27/2006	SeqNo: 965244

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.940	0.050	1.000	0	94.0	71	122				

Sample ID: I062706MB4MS	SampType: MS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65057
Client ID: ZZZZZZ	Batch ID: I06VW170	TestNo: EPA 8015B(M		Analysis Date: 6/27/2006	SeqNo: 965245

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.913	0.050	1.000	0	91.3	71	122				

Sample ID: I062706MB4MSD	SampType: MSD	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65057
Client ID: ZZZZZZ	Batch ID: I06VW170	TestNo: EPA 8015B(M		Analysis Date: 6/27/2006	SeqNo: 965246

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.921	0.050	1.000	0	92.1	71	122	0.9130	0.872	30	

Sample ID: I062706MB4	SampType: MBLK	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65057
Client ID: PBW	Batch ID: I06VW170	TestNo: EPA 8015B(M		Analysis Date: 6/28/2006	SeqNo: 965247

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: I062906LCS2	SampType: LCS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65104
Client ID: LCSW	Batch ID: I06VW171	TestNo: EPA 8015B(M		Analysis Date: 6/29/2006	SeqNo: 966835

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.723	0.050	1.000	0	72.3	71	122				

Sample ID: I062906MB2MS	SampType: MS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65104
Client ID: ZZZZZZ	Batch ID: I06VW171	TestNo: EPA 8015B(M		Analysis Date: 6/29/2006	SeqNo: 966836

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.915	0.050	1.000	0	91.5	71	122				

Sample ID: I062906MB2MSD	SampType: MSD	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65104
Client ID: ZZZZZZ	Batch ID: I06VW171	TestNo: EPA 8015B(M		Analysis Date: 6/29/2006	SeqNo: 966837

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.922	0.050	1.000	0	92.2	71	122	0.9150	0.762	30	

Sample ID: I062906MB2	SampType: MBLK	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65104
Client ID: PBW	Batch ID: I06VW171	TestNo: EPA 8015B(M		Analysis Date: 6/29/2006	SeqNo: 966838

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: I070506LCS1	SampType: LCS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65258
Client ID: LCSW	Batch ID: I06VW177	TestNo: EPA 8015B(M		Analysis Date: 7/5/2006	SeqNo: 968994

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.981	0.050	1.000	0	98.1	72	119				

Sample ID: I070506MB2MS	SampType: MS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65258
Client ID: ZZZZZZ	Batch ID: I06VW177	TestNo: EPA 8015B(M		Analysis Date: 7/5/2006	SeqNo: 968995

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.883	0.050	1.000	0	88.3	72	119				

Sample ID: I070506MB2MSD	SampType: MSD	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65258
Client ID: ZZZZZZ	Batch ID: I06VW177	TestNo: EPA 8015B(M		Analysis Date: 7/5/2006	SeqNo: 968996

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.876	0.050	1.000	0	87.6	72	119	0.8830	0.796	30	

Sample ID: I070506MB2	SampType: MBLK	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65258
Client ID: PBW	Batch ID: I06VW177	TestNo: EPA 8015B(M		Analysis Date: 7/5/2006	SeqNo: 968997

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out

Calculations are based on raw values

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085202
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R062806LCS2	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 65089
Client ID: LCSS	Batch ID: R06VS126	TestNo: EPA 8260B		Analysis Date: 6/28/2006	SeqNo: 965809

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	90.020	5.0	100.0	0	90.0	85	122				
MTBE	90.840	5.0	100.0	0	90.8	67	134				
Toluene	88.500	5.0	100.0	0	88.5	83	122				

Sample ID: R062806MB3MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 65089
Client ID: ZZZZZZ	Batch ID: R06VS126	TestNo: EPA 8260B		Analysis Date: 6/28/2006	SeqNo: 965810

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	91.490	5.0	100.0	0	91.5	57	144				
MTBE	100.020	5.0	100.0	0	100	47	147				
Toluene	89.890	5.0	100.0	0	89.9	54	144				

Sample ID: R062806MB3MSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 65089
Client ID: ZZZZZZ	Batch ID: R06VS126	TestNo: EPA 8260B		Analysis Date: 6/28/2006	SeqNo: 965811

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	88.970	5.0	100.0	0	89.0	57	144	91.49	2.79	30	
MTBE	96.660	5.0	100.0	0	96.7	47	147	100.0	3.42	30	
Toluene	87.560	5.0	100.0	0	87.6	54	144	89.89	2.63	30	

Sample ID: R062806MB3	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 65089
Client ID: PBS	Batch ID: R06VS126	TestNo: EPA 8260B		Analysis Date: 6/28/2006	SeqNo: 965812

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichloroethane	ND	5.0									
Benzene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085202
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R062806MB3**	SampType: **MBLK**	TestCode: **8260_S**	Units: **µg/Kg**	Prep Date:		RunNo: **65089**
Client ID: **PBS**	Batch ID: **R06VS126**	TestNo: **EPA 8260B**		Analysis Date: **6/28/2006**		SeqNo: **965812**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	10									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
Toluene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085202
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R062906LCS1** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **65134**
Client ID: **LCSS** Batch ID: **R06VS127** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **966574**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	95.940	5.0	100.0	0	95.9	85	122				
MTBE	95.720	5.0	100.0	0	95.7	67	134				
Toluene	94.920	5.0	100.0	0	94.9	83	122				

Sample ID: **R062906MB1MS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **65134**
Client ID: **ZZZZZZ** Batch ID: **R06VS127** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **966575**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	99.150	5.0	100.0	0	99.2	57	144				
MTBE	99.070	5.0	100.0	0	99.1	47	147				
Toluene	97.230	5.0	100.0	0	97.2	54	144				

Sample ID: **R062906MB1MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **65134**
Client ID: **ZZZZZZ** Batch ID: **R06VS127** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **966576**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	96.560	5.0	100.0	0	96.6	57	144	99.15	2.65	30	
MTBE	98.180	5.0	100.0	0	98.2	47	147	99.07	0.902	30	
Toluene	94.240	5.0	100.0	0	94.2	54	144	97.23	3.12	30	

Sample ID: **R062906MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **65134**
Client ID: **PBS** Batch ID: **R06VS127** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **966577**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichloroethane	ND	5.0									
Benzene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interferenc
DO Surrogate Diluted Out
Calculations are based on raw values

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085202
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R062906MB1**	SampType: **MBLK**	TestCode: **8260_S**	Units: **µg/Kg**	Prep Date:				RunNo: **65134**			
Client ID: **PBS**	Batch ID: **R06VS127**	TestNo: **EPA 8260B**		Analysis Date: **6/29/2006**				SeqNo: **966577**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	10									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
Toluene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085202
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A062706MB6MS**	SampType: **MS**	TestCode: **8260_WP_LL**	Units: **µg/L**	Prep Date:	RunNo: **65048**
Client ID: **ZZZZZZ**	Batch ID: **A06VW184**	TestNo: **EPA 8260B**		Analysis Date: **6/28/2006**	SeqNo: **965716**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.270	0.50	20.00	0	96.4	90	121				
MTBE	16.730	0.50	20.00	0	83.6	66	132				
Toluene	20.010	0.50	20.00	0	100	93	121				

Sample ID: **A062706MB6MSD**	SampType: **MSD**	TestCode: **8260_WP_LL**	Units: **µg/L**	Prep Date:	RunNo: **65048**
Client ID: **ZZZZZZ**	Batch ID: **A06VW184**	TestNo: **EPA 8260B**		Analysis Date: **6/28/2006**	SeqNo: **965717**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.320	0.50	20.00	0	96.6	90	121	19.27	0.259	30	
MTBE	17.110	0.50	20.00	0	85.6	66	132	16.73	2.25	30	
Toluene	20.100	0.50	20.00	0	101	93	121	20.01	0.449	30	

Sample ID: **A062706MB6**	SampType: **MBLK**	TestCode: **8260_WP_LL**	Units: **µg/L**	Prep Date:	RunNo: **65048**
Client ID: **PBW**	Batch ID: **A06VW184**	TestNo: **EPA 8260B**		Analysis Date: **6/28/2006**	SeqNo: **965718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	0.50									
Di-isopropyl ether	ND	0.50									
Ethyl tert-butyl ether	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
MTBE	ND	0.50									
o-Xylene	ND	0.50									
Tert-amyl methyl ether	ND	0.50									
Tert-Butanol	ND	10									
Toluene	ND	0.50									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085202
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A062706LC3** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **65048**
Client ID: **LCSW** Batch ID: **A06VW184** TestNo: **EPA 8260B** Analysis Date: **6/28/2006** SeqNo: **965725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.580	0.50	20.00	0	97.9	90	121				
MTBE	17.220	0.50	20.00	0	86.1	66	132				
Toluene	20.350	0.50	20.00	0	102	93	121				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interferenc
DO Surrogate Diluted Out
Calculations are based on raw values

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085202
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A062806LC1**	SampType: **LCS**	TestCode: **8260_WP_LL**	Units: **µg/L**	Prep Date:	RunNo: **65050**
Client ID: **LCSW**	Batch ID: **A06VW185**	TestNo: **EPA 8260B**		Analysis Date: **6/28/2006**	SeqNo: **965310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.170	0.50	20.00	0	95.9	90	121				
MTBE	18.220	0.50	20.00	0	91.1	66	132				
Toluene	19.830	0.50	20.00	0	99.2	93	121				

Sample ID: **A062806MB3MS**	SampType: **MS**	TestCode: **8260_WP_LL**	Units: **µg/L**	Prep Date:	RunNo: **65050**
Client ID: **ZZZZZZ**	Batch ID: **A06VW185**	TestNo: **EPA 8260B**		Analysis Date: **6/28/2006**	SeqNo: **965311**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.610	0.50	20.00	0	98.0	90	121				
MTBE	18.790	0.50	20.00	0	94.0	66	132				
Toluene	20.280	0.50	20.00	0	101	93	121				

Sample ID: **A062806MB3MSD**	SampType: **MSD**	TestCode: **8260_WP_LL**	Units: **µg/L**	Prep Date:	RunNo: **65050**
Client ID: **ZZZZZZ**	Batch ID: **A06VW185**	TestNo: **EPA 8260B**		Analysis Date: **6/28/2006**	SeqNo: **965312**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.480	0.50	20.00	0	97.4	90	121	19.61	0.665	30	
MTBE	18.570	0.50	20.00	0	92.8	66	132	18.79	1.18	30	
Toluene	20.090	0.50	20.00	0	100	93	121	20.28	0.941	30	

Sample ID: **A062806MB3**	SampType: **MBLK**	TestCode: **8260_WP_LL**	Units: **µg/L**	Prep Date:	RunNo: **65050**
Client ID: **PBW**	Batch ID: **A06VW185**	TestNo: **EPA 8260B**		Analysis Date: **6/28/2006**	SeqNo: **965313**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	0.50									
Di-isopropyl ether	ND	0.50									
Ethyl tert-butyl ether	ND	0.50									
Ethylbenzene	ND	0.50									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085202
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A062806MB3** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **65050**
Client ID: **PBW** Batch ID: **A06VW185** TestNo: **EPA 8260B** Analysis Date: **6/28/2006** SeqNo: **965313**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	1.0									
MTBE	ND	0.50									
o-Xylene	ND	0.50									
Tert-amyl methyl ether	ND	0.50									
Tert-Butanol	ND	10									
Toluene	ND	0.50									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CHAIN OF CUSTODY

PROJECT NAME: APA Fund

PROJECT NO.: 838.006 LAB: ATL

PROJECT CONTACT: Obi Nzewi TURNAROUND: Standard

SAMPLED BY: Obi Nzewi

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX				CONTAINERS						PRESERVATIVE						SAMPLING DATE										NOTES	ANALYSIS REQUESTED										
		WATER	SOIL	AIR		VOA	LITER	PINT	TUBE			HCL	H_2SO_4	HNO_3	ICE	OTHER	NONE	MONTH		DAY		YEAR		TIME					TPHg (8015m)	TPHd & mo (8015m w/silica gel)	BTEX, 5 Fuel Oxygenates and 2 Lead Scavengers (8260)									
	B-16	X				6						X			X			0	6	2	1	0	6	0	8	1	0		X		X								
	B-16	X					1								X		X	0	6	2	1	0	6	0	8	1	0			X								
	B-17	X				6						X			X			0	6	2	1	0	6	0	9	0	0		X		X								
	B-17	X					1								X		X	0	6	2	1	0	6	0	9	0	0			X								
	M-H	X				6						X			X			0	6	2	2	0	6	1	1	4	0		X		X								
	M-H	X					1								X		X	0	6	2	2	0	6	1	1	4	0			X								
	P-1	X				6						X			X			0	6	2	2	0	6	1	2	0	5		X		X								
	P-1	X					1								X		X	0	6	2	2	0	6	1	2	0	5			X								

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	6/22/06 1500	[signature]	06/23/06 0900
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
		[signature]	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

g:/server migration/data/template/chain of custody

COMMENTS & NOTES:

Do not throw any of the soil samples away until after confirming with Fugro!

FUGRO WEST, INC.
1000 Broadway, Suite 200
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0137

Excel

6/04

CHAIN OF CUSTODY

PROJECT NAME: APA Fund

PROJECT NO.: 838.006 LAB: ATL

PROJECT CONTACT: Obi Nzewi TURNAROUND: Standard

SAMPLED BY: Obi Nzewi

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX				CONTAINERS						PRESERVATIVE						SAMPLING DATE				NOTES	ANALYSIS REQUESTED										
		WATER	SOIL	AIR		VOA	LITER	PINT	TUBE			HCL	H_2SO_4	HNO_3	ICE	OTHER	NONE	MONTH	DAY	YEAR	TIME		TPHg (8015m)	TPHd & mo (8015m w/silica gel)	BTEX, 5 Fuel Oxygenates and 2 Lead Scavengers (8260)									
	B-16@5.0'		X						X						X			06	21	06	0925		X	X	X								
	B-16@15.0'		X						X						X			06	21	06	0945		X	X	X								
	B-16@20.0'		X						X						X			06	21	06	1000		X	X	X								
	B-16@25.5'		X						X						X			06	21	06	1015		X	X	X								
	B-16@30.5'		X						X						X			06	21	06	1032	(1)	X	X	X								
	B-16@35.0'		X						X						X			06	21	06	1050		X	X	X								
	B-16@40.0'		X						X						X			06	21	06	1110		X	X	X								
	B-16@45.0'		X						X						X			06	21	06	1120		X	X	X								

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	6/22/06 1500	[signature]	062306 0900
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
		[signature]	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

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COMMENTS & NOTES:

(1) Please prepare a duplicate sample from the tube ed conduct only TPH g (8015) on the duplicate.

FUGRO WEST, INC.
1000 Broadway, Suite 200
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0137

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CHAIN OF CUSTODY

PROJECT NAME: APA Fund

PROJECT NO.: 838.006 LAB: ATL

PROJECT CONTACT: Obi Nzewi TURNAROUND: Standard

SAMPLED BY: Obi Nzewi

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX				CONTAINERS						PRESERVATIVE						SAMPLING DATE				NOTES	ANALYSIS REQUESTED										
		WATER	SOIL	AIR		VOA	LITER	PINT	TUBE			HCL	H_2SO_4	HNO_3	ICE	OTHER	NONE	MONTH	DAY	YEAR	TIME		TPHg (8015m)	TPHd & mo (8015m w/silica gel)	BTEX, 5 Fuel Oxygenates and 2 Lead Scavengers (8260)									
	B-17@10.0'		X						X						X			06	21	06	1320		X	X	X								
	B-17@19.0'		X						X						X			06	21	06	1415		X	X	X								
	B-17@25.0.		X						X						X			06	21	06	1430		X	X	X								
	B-17@30.5'		X						X						X			06	21	06	1443		X	X	X								
	B-17@35.0.		X						X						X			06	21	06	1500		X	X	X								
	B-17@40.0'		X						X						X			06	21	06	1526		X	X	X								
	B-17@45.0'		X						X						X			06	21	06	1537		X	X	X								

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	6/22/06 1500	[signature]	062306 0900
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

g:/server migration/data/template/chain of custody

COMMENTS & NOTES:

FUGRO WEST, INC.
1000 Broadway, Suite 200
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0137

Excel

Rachelle Arada

From: Carmen Aguila
Sent: Wednesday, July 05, 2006 10:56 AM
To: Rachelle Arada
Subject: FW: 2801 Macarthur Blvd Oakland

-----Original Message-----
From: Bing Roura
Sent: Friday, June 30, 2006 12:20 PM
To: Carmen Aguila
Cc: Rachelle Arada
Subject: FW: 2801 Macarthur Blvd Oakland

FYI.
Bing
-----Original Message-----
From: Nzewi, Obi [mailto:ONzewi@Fugro.com]
Sent: Friday, June 30, 2006 12:06 PM
To: Bing Roura
Subject: 2801 Macarthur Blvd Oakland

Hi Bing, please ensure that none of the soil samples for this job (Fugro Job No: 838.006, and ATL Job No: 085202) are discarded without consultation with Fugro.
Thanks
-----Original Message-----
From: Bing Roura [mailto:bing@atlglobal.com]
Sent: Wednesday, June 28, 2006 3:06 PM
To: Nzewi, Obi
Cc: Carmen Aguila
Subject: RE: 2801 Macarthur

For B-14@3.0, I cannot find the sample. Is this supposed to be B-14@30?
Thanks,
Bing

-----Original Message-----
From: Nzewi, Obi [mailto:ONzewi@Fugro.com]
Sent: Wednesday, June 28, 2006 12:08 PM
To: Bing Roura
Subject: 2801 Macarthur

Hi Bing, could you please prepare a duplicate sample from the following and test them for TPHg.
Soil: B-14 @3.0, B-18 @15
Groundwater: B-13, B-15, B-17, and B-18

Thanks
Obi Nzewi
Project Geologist
Fugro West Inc
1000 Broadway, Suite 200
www.fugrowest.com
phone: (510) 268 0461
fax: (510) 268 0137
cell: (510) 701 4174

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July 11, 2006

Obi Nzewi
Fugro West, Inc.
1000 Broadway, Suite 200
Oakland, CA 94607
TEL: (510) 268-0461
FAX: (510) 268-0137

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 085258

RE: APA Fund, 838.006

Attention: Obi Nzewi

Enclosed are the results for sample(s) received on June 27, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for

Eddie F. Rodriguez
Laboratory Director

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-18 @ 10
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 8:45:00 AM
Lab ID:	085258-001A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_BACK_060629B	QC Batch: 28920			PrepDate: 6/29/2006		Analyst: **CBR**
DRO	24	1.0		mg/Kg	1	6/30/2006
ORO	63	1.0		mg/Kg	1	6/30/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060628A	QC Batch: E06VS132			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/28/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060629B	QC Batch: R06VS128			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/30/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/30/2006
Benzene	ND	5.0		µg/Kg	1	6/30/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/30/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/30/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/30/2006
m,p-Xylene	ND	10		µg/Kg	1	6/30/2006
MTBE	ND	5.0		µg/Kg	1	6/30/2006
o-Xylene	ND	5.0		µg/Kg	1	6/30/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/30/2006
Tert-Butanol	ND	100		µg/Kg	1	6/30/2006
Toluene	ND	5.0		µg/Kg	1	6/30/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-18 @ 15
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 9:00:00 AM
Lab ID:	085258-002A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_BACK_060629B	QC Batch: 28920			PrepDate: 6/29/2006		Analyst: **CBR**
DRO	22	1.0		mg/Kg	1	6/30/2006
ORO	2.6	1.0		mg/Kg	1	6/30/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060629A	QC Batch: E06VS133			PrepDate:		Analyst: **ML**
GRO	450	50		mg/Kg	50	6/29/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060629B	QC Batch: R06VS128			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	250		µg/Kg	50	6/30/2006
1,2-Dichloroethane	ND	250		µg/Kg	50	6/30/2006
Benzene	ND	250		µg/Kg	50	6/30/2006
Di-isopropyl ether	ND	250		µg/Kg	50	6/30/2006
Ethyl Tert-butyl ether	ND	250		µg/Kg	50	6/30/2006
Ethylbenzene	550	250		µg/Kg	50	6/30/2006
m,p-Xylene	ND	500		µg/Kg	50	6/30/2006
MTBE	ND	250		µg/Kg	50	6/30/2006
o-Xylene	ND	250		µg/Kg	50	6/30/2006
Tert-amyl methyl ether	ND	250		µg/Kg	50	6/30/2006
Tert-Butanol	ND	5000		µg/Kg	50	6/30/2006
Toluene	ND	250		µg/Kg	50	6/30/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-18 @ 15
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 9:00:00 AM
Lab ID:	085258-002B	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC2_060629A	QC Batch: E06VS133			PrepDate:		Analyst: **ML**
GRO	440	50		mg/Kg	50	6/29/2006

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-18 @ 18
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 9:10:00 AM
Lab ID:	085258-003A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060705A	QC Batch: 28920			PrepDate: 6/29/2006		Analyst: **MFR**
DRO	460	10		mg/Kg	10	7/5/2006
ORO	7.6	1.0		mg/Kg	1	6/30/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060629A	QC Batch: E06VS133			PrepDate:		Analyst: **ML**
GRO	1800	200		mg/Kg	200	6/29/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060629B	QC Batch: R06VS128			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	1000		µg/Kg	200	6/30/2006
1,2-Dichloroethane	ND	1000		µg/Kg	200	6/30/2006
Benzene	11000	1000		µg/Kg	200	6/30/2006
Di-isopropyl ether	ND	1000		µg/Kg	200	6/30/2006
Ethyl Tert-butyl ether	ND	1000		µg/Kg	200	6/30/2006
Ethylbenzene	31000	1000		µg/Kg	200	6/30/2006
m,p-Xylene	120000	2000		µg/Kg	200	6/30/2006
MTBE	ND	1000		µg/Kg	200	6/30/2006
o-Xylene	43000	1000		µg/Kg	200	6/30/2006
Tert-amyl methyl ether	ND	1000		µg/Kg	200	6/30/2006
Tert-Butanol	ND	20000		µg/Kg	200	6/30/2006
Toluene	54000	1000		µg/Kg	200	6/30/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-18 @ 20
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 9:45:00 AM
Lab ID:	085258-004A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
	EPA 3550B			**EPA 8015B(M)**		
RunID: GC7_060705A	QC Batch: 28920			PrepDate: 6/29/2006		Analyst: **MFR**
DRO	330	10		mg/Kg	10	7/5/2006
ORO	16	1.0		mg/Kg	1	6/30/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060629A	QC Batch: E06VS133			PrepDate:		Analyst: **ML**
GRO	2000	200		mg/Kg	200	6/29/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060629B	QC Batch: R06VS128			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	1000		µg/Kg	200	6/30/2006
1,2-Dichloroethane	ND	1000		µg/Kg	200	6/30/2006
Benzene	18000	1000		µg/Kg	200	6/30/2006
Di-isopropyl ether	ND	1000		µg/Kg	200	6/30/2006
Ethyl Tert-butyl ether	ND	1000		µg/Kg	200	6/30/2006
Ethylbenzene	34000	1000		µg/Kg	200	6/30/2006
m,p-Xylene	130000	2000		µg/Kg	200	6/30/2006
MTBE	ND	1000		µg/Kg	200	6/30/2006
o-Xylene	50000	1000		µg/Kg	200	6/30/2006
Tert-amyl methyl ether	ND	1000		µg/Kg	200	6/30/2006
Tert-Butanol	ND	20000		µg/Kg	200	6/30/2006
Toluene	130000	5000		µg/Kg	1000	7/3/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-18 @ 25
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 10:00:00 AM
Lab ID:	085258-005A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_BACK_060629B	QC Batch: 28920			PrepDate: 6/29/2006		Analyst: **CBR**
DRO	38	1.0		mg/Kg	1	6/30/2006
ORO	2.4	1.0		mg/Kg	1	6/30/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060629A	QC Batch: E06VS133			PrepDate:		Analyst: **ML**
GRO	530	100		mg/Kg	100	6/29/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060629B	QC Batch: R06VS128			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	500		µg/Kg	100	6/30/2006
1,2-Dichloroethane	ND	500		µg/Kg	100	6/30/2006
Benzene	1300	500		µg/Kg	100	6/30/2006
Di-isopropyl ether	ND	500		µg/Kg	100	6/30/2006
Ethyl Tert-butyl ether	ND	500		µg/Kg	100	6/30/2006
Ethylbenzene	5600	500		µg/Kg	100	6/30/2006
m,p-Xylene	23000	1000		µg/Kg	100	6/30/2006
MTBE	ND	500		µg/Kg	100	6/30/2006
o-Xylene	9000	500		µg/Kg	100	6/30/2006
Tert-amyl methyl ether	ND	500		µg/Kg	100	6/30/2006
Tert-Butanol	ND	10000		µg/Kg	100	6/30/2006
Toluene	6700	500		µg/Kg	100	6/30/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-18 @ 30.5
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 10:10:00 AM
Lab ID:	085258-006A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_BACK_060629B	QC Batch: 28920			PrepDate: 6/29/2006		Analyst: **CBR**
DRO	1.6	1.0		mg/Kg	1	6/30/2006
ORO	1.9	1.0		mg/Kg	1	6/30/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060629A	QC Batch: E06VS133			PrepDate:		Analyst: **ML**
GRO	580	50		mg/Kg	50	6/29/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060630A	QC Batch: R06VS129			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	500		µg/Kg	100	6/30/2006
1,2-Dichloroethane	ND	500		µg/Kg	100	6/30/2006
Benzene	980	500		µg/Kg	100	6/30/2006
Di-isopropyl ether	ND	500		µg/Kg	100	6/30/2006
Ethyl Tert-butyl ether	ND	500		µg/Kg	100	6/30/2006
Ethylbenzene	7900	500		µg/Kg	100	6/30/2006
m,p-Xylene	18000	1000		µg/Kg	100	6/30/2006
MTBE	ND	500		µg/Kg	100	6/30/2006
o-Xylene	13000	500		µg/Kg	100	6/30/2006
Tert-amyl methyl ether	ND	500		µg/Kg	100	6/30/2006
Tert-Butanol	ND	10000		µg/Kg	100	6/30/2006
Toluene	5900	500		µg/Kg	100	6/30/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-18 @ 36
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 10:30:00 AM
Lab ID:	085258-007A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_BACK_060629B	QC Batch: 28920			PrepDate:	6/29/2006	Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	6/30/2006
ORO	1.2	1.0		mg/Kg	1	6/30/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060629A	QC Batch: E06VS133			PrepDate:		Analyst: **ML**
GRO	3.3	1.0		mg/Kg	1	6/29/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060629B	QC Batch: R06VS128			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/30/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/30/2006
Benzene	68	5.0		µg/Kg	1	6/30/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/30/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/30/2006
Ethylbenzene	110	5.0		µg/Kg	1	6/30/2006
m,p-Xylene	290	10		µg/Kg	1	6/30/2006
MTBE	ND	5.0		µg/Kg	1	6/30/2006
o-Xylene	140	5.0		µg/Kg	1	6/30/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/30/2006
Tert-Butanol	ND	100		µg/Kg	1	6/30/2006
Toluene	100	5.0		µg/Kg	1	6/30/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-18 @ 41
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 10:50:00 AM
Lab ID:	085258-008A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_BACK_060629B	QC Batch: 28920			PrepDate:	6/29/2006	Analyst: **CBR**
DRO	1.2	1.0		mg/Kg	1	6/30/2006
ORO	1.2	1.0		mg/Kg	1	6/30/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060628A	QC Batch: E06VS132			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/28/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060629B	QC Batch: R06VS128			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/30/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/30/2006
Benzene	12	5.0		µg/Kg	1	6/30/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/30/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/30/2006
Ethylbenzene	10	5.0		µg/Kg	1	6/30/2006
m,p-Xylene	50	10		µg/Kg	1	6/30/2006
MTBE	ND	5.0		µg/Kg	1	6/30/2006
o-Xylene	23	5.0		µg/Kg	1	6/30/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/30/2006
Tert-Butanol	ND	100		µg/Kg	1	6/30/2006
Toluene	18	5.0		µg/Kg	1	6/30/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-18 @ 46
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 11:12:00 AM
Lab ID:	085258-009A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_BACK_060629B	QC Batch: 28920			PrepDate: 6/29/2006		Analyst: **CBR**
DRO	1.4	1.0		mg/Kg	1	6/30/2006
ORO	1.6	1.0		mg/Kg	1	6/30/2006
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_060628A	QC Batch: E06VS132			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/28/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: MS3_060629B	QC Batch: R06VS128			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/30/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/30/2006
Benzene	ND	5.0		µg/Kg	1	6/30/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/30/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/30/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/30/2006
m,p-Xylene	ND	10		µg/Kg	1	6/30/2006
MTBE	ND	5.0		µg/Kg	1	6/30/2006
o-Xylene	ND	5.0		µg/Kg	1	6/30/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/30/2006
Tert-Butanol	ND	100		µg/Kg	1	6/30/2006
Toluene	ND	5.0		µg/Kg	1	6/30/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	P-2
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 8:25:00 AM
Lab ID:	085258-010A	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: MS11_060628B	QC Batch: A06VW186			PrepDate:		Analyst: **HH**
1,2-Dibromoethane	ND	0.50		µg/L	1	6/29/2006
1,2-Dichloroethane	2.7	0.50		µg/L	1	6/29/2006
Benzene	850	25		µg/L	50	6/29/2006
Di-isopropyl ether	ND	0.50		µg/L	1	6/29/2006
Ethyl tert-butyl ether	ND	0.50		µg/L	1	6/29/2006
Ethylbenzene	1400	25		µg/L	50	6/29/2006
m,p-Xylene	4600	50		µg/L	50	6/29/2006
MTBE	ND	0.50		µg/L	1	6/29/2006
o-Xylene	2100	25		µg/L	50	6/29/2006
Tert-amyl methyl ether	ND	0.50		µg/L	1	6/29/2006
Tert-Butanol	ND	10		µg/L	1	6/29/2006
Toluene	2100	25		µg/L	50	6/29/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	P-2
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 8:25:00 AM
Lab ID:	085258-010B	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC6_060629B	QC Batch: I06VW172			PrepDate:		Analyst: **TT**
GRO	37	0.050		mg/L	1	6/30/2006

Qualifiers:		
	B	Analyte detected in the associated Method Blank
	H	Holding times for preparation or analysis exceeded
	S	Spike/Surrogate outside of limits due to matrix interference
	DO	Surrogate Diluted Out
	E	Value above quantitation range
	ND	Not Detected at the Reporting Limit
		Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	P-2
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 8:25:00 AM
Lab ID:	085258-010C	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_060705B	QC Batch: 28930			PrepDate:	6/30/2006	Analyst: **MFR**
DRO	2.6	0.050		mg/L	1	7/5/2006
ORO	0.075	0.050		mg/L	1	7/5/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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CLIENT:	Fugro West, Inc.	**Client Sample ID:**	M-6
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 9:45:00 AM
Lab ID:	085258-011A	**Matrix:**	WATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_060629A QC Batch: A06VW187 PrepDate: Analyst: **HH**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	0.50		µg/L	1	6/29/2006
1,2-Dichloroethane	ND	0.50		µg/L	1	6/29/2006
Benzene	ND	0.50		µg/L	1	6/29/2006
Di-isopropyl ether	ND	0.50		µg/L	1	6/29/2006
Ethyl tert-butyl ether	ND	0.50		µg/L	1	6/29/2006
Ethylbenzene	ND	0.50		µg/L	1	6/29/2006
m,p-Xylene	ND	1.0		µg/L	1	6/29/2006
MTBE	ND	0.50		µg/L	1	6/29/2006
o-Xylene	ND	0.50		µg/L	1	6/29/2006
Tert-amyl methyl ether	ND	0.50		µg/L	1	6/29/2006
Tert-Butanol	ND	10		µg/L	1	6/29/2006
Toluene	ND	0.50		µg/L	1	6/29/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	M-6
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 9:45:00 AM
Lab ID:	085258-011B	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC6_060703A	QC Batch: I06VW175			PrepDate:		Analyst: **EA**
GRO	0.067	0.050		mg/L	1	7/3/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	M-6
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 9:45:00 AM
Lab ID:	085258-011C	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_060705B	QC Batch: 28930			PrepDate:	6/30/2006	Analyst: **MFR**
DRO	0.069	0.050		mg/L	1	7/5/2006
ORO	0.16	0.050		mg/L	1	7/5/2006

Qualifiers:		
B	Analyte detected in the associated Method Blank	
H	Holding times for preparation or analysis exceeded	
S	Spike/Surrogate outside of limits due to matrix interference	
DO	Surrogate Diluted Out	
E	Value above quantitation range	
ND	Not Detected at the Reporting Limit	
	Results are wet unless otherwise specified	

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Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	M-5
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 9:15:00 AM
Lab ID:	085258-012A	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
		EPA 8260B				
RunID: MS11_060629A	QC Batch: A06VW187			PrepDate:		Analyst: **HH**
1,2-Dibromoethane	ND	0.50		µg/L	1	6/29/2006
1,2-Dichloroethane	ND	0.50		µg/L	1	6/29/2006
Benzene	ND	0.50		µg/L	1	6/29/2006
Di-isopropyl ether	ND	0.50		µg/L	1	6/29/2006
Ethyl tert-butyl ether	ND	0.50		µg/L	1	6/29/2006
Ethylbenzene	ND	0.50		µg/L	1	6/29/2006
m,p-Xylene	ND	1.0		µg/L	1	6/29/2006
MTBE	ND	0.50		µg/L	1	6/29/2006
o-Xylene	ND	0.50		µg/L	1	6/29/2006
Tert-amyl methyl ether	ND	0.50		µg/L	1	6/29/2006
Tert-Butanol	ND	10		µg/L	1	6/29/2006
Toluene	ND	0.50		µg/L	1	6/29/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	M-5
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 9:15:00 AM
Lab ID:	085258-012B	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC6_060703A	QC Batch: I06VW175			PrepDate:		Analyst: **EA**
GRO	ND	0.050		mg/L	1	7/3/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	M-5
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 9:15:00 AM
Lab ID:	085258-012C	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_060705B	QC Batch: 28930			PrepDate:	6/30/2006	Analyst: **MFR**
DRO	ND	0.050		mg/L	1	7/5/2006
ORO	ND	0.050		mg/L	1	7/5/2006

Qualifiers:				
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	M-1
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 10:25:00 AM
Lab ID:	085258-013A	**Matrix:**	WATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_060628B QC Batch: A06VW186 PrepDate: Analyst: **HH**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	0.50		µg/L	1	6/29/2006
1,2-Dichloroethane	ND	0.50		µg/L	1	6/29/2006
Benzene	ND	0.50		µg/L	1	6/29/2006
Di-isopropyl ether	ND	0.50		µg/L	1	6/29/2006
Ethyl tert-butyl ether	ND	0.50		µg/L	1	6/29/2006
Ethylbenzene	0.53	0.50		µg/L	1	6/29/2006
m,p-Xylene	1.4	1.0		µg/L	1	6/29/2006
MTBE	2.3	0.50		µg/L	1	6/29/2006
o-Xylene	0.51	0.50		µg/L	1	6/29/2006
Tert-amyl methyl ether	ND	0.50		µg/L	1	6/29/2006
Tert-Butanol	ND	10		µg/L	1	6/29/2006
Toluene	ND	0.50		µg/L	1	6/29/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	M-1
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 10:25:00 AM
Lab ID:	085258-013B	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC6_060629B	QC Batch: I06VW172			PrepDate:		Analyst: **TT**
GRO	2.8	0.050		mg/L	1	6/30/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	M-1
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 10:25:00 AM
Lab ID:	085258-013C	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_060705B	QC Batch: 28930			PrepDate:	6/30/2006	Analyst: **MFR**
DRO	0.25	0.050		mg/L	1	7/5/2006
ORO	ND	0.050		mg/L	1	7/5/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-18
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 9:40:00 AM
Lab ID:	085258-014A	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
			EPA 8260B			
RunID: MS11_060628B	QC Batch: A06VW186			PrepDate:		Analyst: **HH**
1,2-Dibromoethane	ND	5.0		µg/L	10	6/29/2006
1,2-Dichloroethane	ND	5.0		µg/L	10	6/29/2006
Benzene	940	5.0		µg/L	10	6/29/2006
Di-isopropyl ether	ND	5.0		µg/L	10	6/29/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	10	6/29/2006
Ethylbenzene	470	5.0		µg/L	10	6/29/2006
m,p-Xylene	2400	100		µg/L	100	6/29/2006
MTBE	ND	5.0		µg/L	10	6/29/2006
o-Xylene	580	5.0		µg/L	10	6/29/2006
Tert-amyl methyl ether	ND	5.0		µg/L	10	6/29/2006
Tert-Butanol	ND	100		µg/L	10	6/29/2006
Toluene	2600	50		µg/L	100	6/29/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-18
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 9:40:00 AM
Lab ID:	085258-014B	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC6_060629B	QC Batch: I06VW172			PrepDate:		Analyst: **TT**
GRO	29	0.050		mg/L	1	6/30/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-18
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 9:40:00 AM
Lab ID:	085258-014C	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_060705B	QC Batch: 28930			PrepDate:	6/30/2006	Analyst: **MFR**
DRO	5.2	0.056		mg/L	1	7/5/2006
ORO	0.13	0.056		mg/L	1	7/5/2006

Qualifiers:				
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *11-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-18
Lab Order:	085258	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/23/2006 9:40:00 AM
Lab ID:	085258-014D	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC6_060705B	QC Batch: I06VW178			PrepDate:		Analyst: **EA**
GRO	34	0.050		mg/L	1	7/6/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **MB-28920**	SampType: **MBLK**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/29/2006**	RunNo: **65170**
Client ID: **PBS**	Batch ID: **28920**	TestNo: **EPA 8015B(M EPA 3550B**		Analysis Date: **6/29/2006**	SeqNo: **967296**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									

Sample ID: **LCS-28920**	SampType: **LCS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/29/2006**	RunNo: **65170**
Client ID: **LCSS**	Batch ID: **28920**	TestNo: **EPA 8015B(M EPA 3550B**		Analysis Date: **6/29/2006**	SeqNo: **967297**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	14.276	1.0	33.00	0	43.3	38	106				

Sample ID: **085258-003AMS**	SampType: **MS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/29/2006**	RunNo: **65170**
Client ID: **B-18 @ 18**	Batch ID: **28920**	TestNo: **EPA 8015B(M EPA 3550B**		Analysis Date: **6/29/2006**	SeqNo: **967298**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	154.535	1.0	33.00	502.8	-1060	27	109				S

Sample ID: **085258-003AMSD**	SampType: **MSD**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/29/2006**	RunNo: **65170**
Client ID: **B-18 @ 18**	Batch ID: **28920**	TestNo: **EPA 8015B(M EPA 3550B**		Analysis Date: **6/30/2006**	SeqNo: **967299**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	491.014	1.0	33.00	502.8	-35.8	27	109	154.5	104	30	SRE

Sample ID: **MB-28920**	SampType: **MBLK**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/29/2006**	RunNo: **65256**
Client ID: **PBS**	Batch ID: **28920**	TestNo: **EPA 8015B(M EPA 3550B**		Analysis Date: **7/5/2006**	SeqNo: **969149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									

Qualifiers:

- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interferenc
- DO Surrogate Diluted Out

Calculations are based on raw values

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **085258-003AMSD**	SampType: **MSD**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/29/2006**	RunNo: **65256**
Client ID: **B-18 @ 18**	Batch ID: **28920**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **7/5/2006**	SeqNo: **969150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	471.187	10	33.00	460.7	31.7	25	109	154.5	101	30	R

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out

Calculations are based on raw values

Advanced Technology Laboratories
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CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E062806MB1	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65088
Client ID: PBS	Batch ID: E06VS132	TestNo: EPA 8015B(M		Analysis Date: 6/28/2006	SeqNo: 965789

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									

Sample ID: E062806MB1MS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65088
Client ID: ZZZZZZ	Batch ID: E06VS132	TestNo: EPA 8015B(M		Analysis Date: 6/28/2006	SeqNo: 965790

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.906	1.0	5.000	0	98.1	34	140				

Sample ID: E062806MB1MSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65088
Client ID: ZZZZZZ	Batch ID: E06VS132	TestNo: EPA 8015B(M		Analysis Date: 6/28/2006	SeqNo: 965791

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.956	1.0	5.000	0	99.1	34	140	4.906	1.01	30	

Sample ID: E062806LCS2	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65088
Client ID: LCSS	Batch ID: E06VS132	TestNo: EPA 8015B(M		Analysis Date: 6/28/2006	SeqNo: 965801

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.756	1.0	5.000	0	95.1	78	122				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E062906MB1	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65105
Client ID: PBS	Batch ID: E06VS133	TestNo: EPA 8015B(M		Analysis Date: 6/29/2006	SeqNo: 966102

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									

Sample ID: E062906MB1MS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65105
Client ID: ZZZZZZ	Batch ID: E06VS133	TestNo: EPA 8015B(M		Analysis Date: 6/29/2006	SeqNo: 966103

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.965	1.0	5.000	0	99.3	34	140				

Sample ID: E062906MB1MSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65105
Client ID: ZZZZZZ	Batch ID: E06VS133	TestNo: EPA 8015B(M		Analysis Date: 6/29/2006	SeqNo: 966104

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.639	1.0	5.000	0	92.8	34	140	4.965	6.79	30	

Sample ID: E062906LCS1	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65105
Client ID: LCSS	Batch ID: E06VS133	TestNo: EPA 8015B(M		Analysis Date: 6/29/2006	SeqNo: 966106

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.671	1.0	5.000	0	93.4	78	122				

Qualifiers:

- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interferenc
- DO Surrogate Diluted Out

Calculations are based on raw values

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CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DM_LL

Sample ID: MB-28930	SampType: MBLK	TestCode: 8015_W_DM_	Units: mg/L	Prep Date: 6/30/2006	RunNo: 65281
Client ID: PBW	Batch ID: 28930	TestNo: EPA 8015B(M	EPA 3510C	Analysis Date: 7/5/2006	SeqNo: 969138

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.050									
ORO	ND	0.050									

Sample ID: LCS-28930	SampType: LCS	TestCode: 8015_W_DM_	Units: mg/L	Prep Date: 6/30/2006	RunNo: 65281
Client ID: LCSW	Batch ID: 28930	TestNo: EPA 8015B(M	EPA 3510C	Analysis Date: 7/5/2006	SeqNo: 969139

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.666	0.050	1.000	0	66.6	50	119				

Sample ID: MB-28930MS	SampType: MS	TestCode: 8015_W_DM_	Units: mg/L	Prep Date: 6/30/2006	RunNo: 65281
Client ID: ZZZZZZ	Batch ID: 28930	TestNo: EPA 8015B(M	EPA 3510C	Analysis Date: 7/5/2006	SeqNo: 969140

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.712	0.050	1.000	0	71.2	50	119				

Sample ID: MB-28930MSD	SampType: MSD	TestCode: 8015_W_DM_	Units: mg/L	Prep Date: 6/30/2006	RunNo: 65281
Client ID: ZZZZZZ	Batch ID: 28930	TestNo: EPA 8015B(M	EPA 3510C	Analysis Date: 7/5/2006	SeqNo: 969141

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.715	0.050	1.000	0	71.5	50	119	0.7118	0.461	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: I062906LCS4	SampType: LCS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65148
Client ID: LCSW	Batch ID: I06VW172	TestNo: EPA 8015B(M		Analysis Date: 6/30/2006	SeqNo: 966961

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.934	0.050	1.000	0	93.4	71	122				

Sample ID: I062906MB4MS	SampType: MS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65148
Client ID: ZZZZZZ	Batch ID: I06VW172	TestNo: EPA 8015B(M		Analysis Date: 6/30/2006	SeqNo: 966962

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.922	0.050	1.000	0	92.2	71	122				

Sample ID: I062906MB4MSD	SampType: MSD	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65148
Client ID: ZZZZZZ	Batch ID: I06VW172	TestNo: EPA 8015B(M		Analysis Date: 6/30/2006	SeqNo: 966963

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.916	0.050	1.000	0	91.6	71	122	0.9220	0.653	30	

Sample ID: I062906MB4	SampType: MBLK	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65148
Client ID: PBW	Batch ID: I06VW172	TestNo: EPA 8015B(M		Analysis Date: 6/30/2006	SeqNo: 966964

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									

Qualifiers:

- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: I070306LCS1	SampType: LCS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:				RunNo: 65225		
Client ID: LCSW	Batch ID: I06VW175	TestNo: EPA 8015B(M		Analysis Date: 7/3/2006				SeqNo: 968154		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.925	0.050	1.000	0	92.5	71	122				

Sample ID: I070306MB2MS	SampType: MS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:				RunNo: 65225		
Client ID: ZZZZZZ	Batch ID: I06VW175	TestNo: EPA 8015B(M		Analysis Date: 7/3/2006				SeqNo: 968155		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.968	0.050	1.000	0	96.8	71	122				

Sample ID: I070306MB2MSD	SampType: MSD	TestCode: 8015_W_GP	Units: mg/L	Prep Date:				RunNo: 65225		
Client ID: ZZZZZZ	Batch ID: I06VW175	TestNo: EPA 8015B(M		Analysis Date: 7/3/2006				SeqNo: 968156		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.993	0.050	1.000	0	99.3	71	122	0.9680	2.55	30	

Sample ID: I070306MB2	SampType: MBLK	TestCode: 8015_W_GP	Units: mg/L	Prep Date:				RunNo: 65225		
Client ID: PBW	Batch ID: I06VW175	TestNo: EPA 8015B(M		Analysis Date: 7/3/2006				SeqNo: 968157		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: I070506LCS2	SampType: LCS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65287
Client ID: LCSW	Batch ID: I06VW178	TestNo: EPA 8015B(M		Analysis Date: 7/5/2006	SeqNo: 969273

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.920	0.050	1.000	0	92.0	72	119				

Sample ID: I070506MB4MS	SampType: MS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65287
Client ID: ZZZZZZ	Batch ID: I06VW178	TestNo: EPA 8015B(M		Analysis Date: 7/5/2006	SeqNo: 969274

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.892	0.050	1.000	0	89.2	72	119				

Sample ID: I070506MB4MSD	SampType: MSD	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65287
Client ID: ZZZZZZ	Batch ID: I06VW178	TestNo: EPA 8015B(M		Analysis Date: 7/6/2006	SeqNo: 969275

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.910	0.050	1.000	0	91.0	72	119	0.8920	2.00	30	

Sample ID: I070506MB4	SampType: MBLK	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65287
Client ID: PBW	Batch ID: I06VW178	TestNo: EPA 8015B(M		Analysis Date: 7/6/2006	SeqNo: 969276

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									

Qualifiers:

- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

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CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: C070306LCS1	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 65229
Client ID: LCSS	Batch ID: C06VS032	TestNo: EPA 8260B		Analysis Date: 7/3/2006	SeqNo: 968189

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	102.170	5.0	100.0	0	102	85	122				
MTBE	105.940	5.0	100.0	0	106	67	134				
Toluene	105.730	5.0	100.0	0	106	83	122				

Sample ID: C070306MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 65229
Client ID: ZZZZZZ	Batch ID: C06VS032	TestNo: EPA 8260B		Analysis Date: 7/3/2006	SeqNo: 968191

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	94.210	5.0	100.0	0	94.2	57	144				
MTBE	94.280	5.0	100.0	0	94.3	47	147				
Toluene	99.300	5.0	100.0	0	99.3	54	144				

Sample ID: C070306MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 65229
Client ID: PBS	Batch ID: C06VS032	TestNo: EPA 8260B		Analysis Date: 7/3/2006	SeqNo: 968193

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichloroethane	ND	5.0									
Benzene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
Toluene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R062906LCS2** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **65137**
Client ID: **LCSS** Batch ID: **R06VS128** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **966700**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	95.310	5.0	100.0	0	95.3	85	122				
MTBE	96.170	5.0	100.0	0	96.2	67	134				
Toluene	93.590	5.0	100.0	0	93.6	83	122				

Sample ID: **R062906MB3MS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **65137**
Client ID: **ZZZZZZ** Batch ID: **R06VS128** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **966701**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	90.410	5.0	100.0	0	90.4	57	144				
MTBE	93.540	5.0	100.0	0	93.5	47	147				
Toluene	89.650	5.0	100.0	0	89.6	54	144				

Sample ID: **R062906MB3MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **65137**
Client ID: **ZZZZZZ** Batch ID: **R06VS128** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **966702**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	95.670	5.0	100.0	0	95.7	57	144	90.41	5.65	30	
MTBE	102.200	5.0	100.0	0	102	47	147	93.54	8.85	30	
Toluene	95.010	5.0	100.0	0	95.0	54	144	89.65	5.81	30	

Sample ID: **R062906MB3** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **65137**
Client ID: **PBS** Batch ID: **R06VS128** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **966703**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichloroethane	ND	5.0									
Benzene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R062906MB3**	SampType: **MBLK**	TestCode: **8260_S**	Units: **µg/Kg**	Prep Date:	RunNo: **65137**
Client ID: **PBS**	Batch ID: **R06VS128**	TestNo: **EPA 8260B**		Analysis Date: **6/29/2006**	SeqNo: **966703**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	10									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
Toluene	ND	5.0									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out

Calculations are based on raw values

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R063006LCS1	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 65196
Client ID: LCSS	Batch ID: R06VS129	TestNo: EPA 8260B		Analysis Date: 6/30/2006	SeqNo: 967691

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	97.180	5.0	100.0	0	97.2	85	122				
MTBE	98.770	5.0	100.0	0	98.8	67	134				
Toluene	93.750	5.0	100.0	0	93.8	83	122				

Sample ID: R063006MB1MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 65196
Client ID: ZZZZZZ	Batch ID: R06VS129	TestNo: EPA 8260B		Analysis Date: 6/30/2006	SeqNo: 967692

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	92.660	5.0	100.0	0	92.7	57	144				
MTBE	93.500	5.0	100.0	0	93.5	47	147				
Toluene	91.500	5.0	100.0	0	91.5	54	144				

Sample ID: R063006MB1MSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 65196
Client ID: ZZZZZZ	Batch ID: R06VS129	TestNo: EPA 8260B		Analysis Date: 6/30/2006	SeqNo: 967693

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	89.400	5.0	100.0	0	89.4	57	144	92.66	3.58	30	
MTBE	92.250	5.0	100.0	0	92.2	47	147	93.50	1.35	30	
Toluene	88.020	5.0	100.0	0	88.0	54	144	91.50	3.88	30	

Sample ID: R063006MB1	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 65196
Client ID: PBS	Batch ID: R06VS129	TestNo: EPA 8260B		Analysis Date: 6/30/2006	SeqNo: 967694

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichloroethane	ND	5.0									
Benzene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R063006MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **65196**
Client ID: **PBS** Batch ID: **R06VS129** TestNo: **EPA 8260B** Analysis Date: **6/30/2006** SeqNo: **967694**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	10									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
Toluene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A062806LC2** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **65109**
Client ID: **LCSW** Batch ID: **A06VW186** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **966539**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	18.610	0.50	20.00	0	93.0	90	121				
MTBE	16.160	0.50	20.00	0	80.8	66	132				
Toluene	19.480	0.50	20.00	0	97.4	93	121				

Sample ID: **A062806MB6MS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **65109**
Client ID: **ZZZZZZ** Batch ID: **A06VW186** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **966540**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.360	0.50	20.00	0	96.8	90	121				
MTBE	16.460	0.50	20.00	0	82.3	66	132				
Toluene	20.310	0.50	20.00	0	102	93	121				

Sample ID: **A062806MB6MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **65109**
Client ID: **ZZZZZZ** Batch ID: **A06VW186** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **966541**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.480	0.50	20.00	0	97.4	90	121	19.36	0.618	30	
MTBE	16.690	0.50	20.00	0	83.4	66	132	16.46	1.39	30	
Toluene	20.270	0.50	20.00	0	101	93	121	20.31	0.197	30	

Sample ID: **A062806MB6** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **65109**
Client ID: **PBW** Batch ID: **A06VW186** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **966542**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	0.50									
Di-isopropyl ether	ND	0.50									
Ethyl tert-butyl ether	ND	0.50									
Ethylbenzene	ND	0.50									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A062806MB6** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **65109**
Client ID: **PBW** Batch ID: **A06VW186** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **966542**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	1.0									
MTBE	ND	0.50									
o-Xylene	ND	0.50									
Tert-amyl methyl ether	ND	0.50									
Tert-Butanol	ND	10									
Toluene	ND	0.50									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A062906LC1** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **65198**
Client ID: **LCSW** Batch ID: **A06VW187** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **967786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.990	0.50	20.00	0	100	90	112				
MTBE	18.930	0.50	20.00	0	94.6	65	138				
Toluene	20.360	0.50	20.00	0	102	90	111				

Sample ID: **A062906MB3MS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **65198**
Client ID: **ZZZZZZ** Batch ID: **A06VW187** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **967787**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.100	0.50	20.00	0	101	90	112				
MTBE	19.230	0.50	20.00	0	96.2	65	138				
Toluene	20.930	0.50	20.00	0	105	90	111				

Sample ID: **A062906MB3MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **65198**
Client ID: **ZZZZZZ** Batch ID: **A06VW187** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **967788**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	20.260	0.50	20.00	0	101	90	112	20.10	0.793	30	
MTBE	19.300	0.50	20.00	0	96.5	65	138	19.23	0.363	30	
Toluene	20.700	0.50	20.00	0	104	90	111	20.93	1.10	30	

Sample ID: **A062906MB3** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **65198**
Client ID: **PBW** Batch ID: **A06VW187** TestNo: **EPA 8260B** Analysis Date: **6/29/2006** SeqNo: **967789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	0.50									
Di-isopropyl ether	ND	0.50									
Ethyl tert-butyl ether	ND	0.50									
Ethylbenzene	ND	0.50									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085258
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A062906MB3**	SampType: **MBLK**	TestCode: **8260_WP_LL**	Units: **µg/L**	Prep Date:	RunNo: **65198**
Client ID: **PBW**	Batch ID: **A06VW187**	TestNo: **EPA 8260B**		Analysis Date: **6/29/2006**	SeqNo: **967789**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	1.0									
MTBE	ND	0.50									
o-Xylene	ND	0.50									
Tert-amyl methyl ether	ND	0.50									
Tert-Butanol	ND	10									
Toluene	ND	0.50									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out

Calculations are based on raw values

CHAIN OF CUSTODY

PAGE OF

PROJECT NAME: APA Fund

PROJECT NO.: 838.006 LAB: ATL

PROJECT CONTACT: Obi Nzewi TURNAROUND: Standard

SAMPLED BY: Obi Nzewi

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX				CONTAINERS						PRESERVATIVE						SAMPLING DATE										NOTES	ANALYSIS REQUESTED										
		WATER	SOIL	AIR		VOA	LITER	PINT	TUBE			HCL	H_2SO_4	HNO_3	ICE	OTHER	NONE	MONTH		DAY		YEAR		TIME					TPHg (8015m)	TPHd & mo (8015m w/silica gel)	BTEX, 5 Fuel Oxygenates and 2 Lead Scavengers (8260)									
	P-2	X				6						X			X			0	6	2	3	0	6	0	8	2	5		X		X								
	P-2	X					1								X		X	0	6	2	3	0	6	0	8	2	5			X								
	M-6	X				6						X			X			0	6	2	3	0	6	0	9	H	5		X		X								
	M-6	X					1								X		X	0	6	2	3	0	6	0	9	H	5			X								
	M-5	X				6						X			X			0	6	2	3	0	6	0	9	1	5		X		X								
	M-5	X					1								X		X	0	6	2	3	0	6	0	9	1	5			X								
	M-1	X				6						X			X			0	6	2	3	0	6	1	0	2	5		X		X								
	M-1	X					1								X		X	0	6	2	3	0	6	1	0	2	5			X								
	B-18	X				6						X			X			0	6	2	3	0	6	0	9	H	0		X		X								
	B-18	X					1								X		X	0	6	2	3	0	6	0	9	H	0			X								

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	6/26/06 1430	[signature]	6/27/06 0920
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

g:/server migration/data/template/chain of custody

COMMENTS & NOTES:

FUGRO WEST, INC.

1000 Broadway, Suite 200

Oakland, California 94607

Tel: 510.268.0461 Fax: 510.268.0137

Excel

CHAIN OF CUSTODY

PROJECT NAME: APA Fund

PROJECT NO.: 838.006 LAB: ATL

PROJECT CONTACT: Obi Nzewi TURNAROUND: Standard

SAMPLED BY: Obi Nzewi

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX				CONTAINERS						PRESERVATIVE						SAMPLING DATE										NOTES	ANALYSIS REQUESTED									
		WATER	SOIL	AIR		VOA	LITER	PINT	TUBE			HCL	H_2SO_4	HNO_3	ICE	OTHER	NONE	MONTH		DAY		YEAR		TIME					TPHg (8015m)	TPHd & mo (8015m w/silica gel)	BTEX, 5 Fuel Oxygenates and 2 Lead Scavengers (8260)							
	B-18 @10		X						1						X		X	0	6	2	3	0	6	0	8	4	5		X	X	X							
	B-18 @15		X						1						X		X	0	6	2	3	0	6	0	9	0	0		X	X	X							
	B-18 @18		X						1						X		X	0	6	2	3	0	6	0	9	1	0		X	X	X							
	B-18 @20		X						1						X		X	0	6	2	3	0	6	0	9	4	5		X	X	X							
	B-18 @25		X						1						X		X	0	6	2	3	0	6	1	0	0	0		X	X	X							
	B-18 @30.5		X						1						X		X	0	6	2	3	0	6	1	0	1	0		X	X	X							
	B-18 @36		X						1						X		X	0	6	2	3	0	6	1	0	3	0		X	X	X							
	B-18 @41		X						1						X		X	0	6	2	3	0	6	1	0	5	0		X	X	X							
	B-18 @46		X						1						X		X	0	6	2	3	0	6	1	1	1	2		X	X	X							

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Obi Nzewi	6/26/06 1430		6/27/06 0920
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

g:/server migration/data/template/chain of custody

COMMENTS & NOTES:

FUGRO WEST, INC.
1000 Broadway, Suite 200
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0137

Excel

GSA 7.8 1c

Rachelle Arada

From: Carmen Aguila
Sent: Wednesday, July 05, 2006 10:56 AM
To: Rachelle Arada
Subject: FW: 2801 Macarthur Blvd Oakland

-----Original Message-----
From: Bing Roura
Sent: Friday, June 30, 2006 12:20 PM
To: Carmen Aguila
Cc: Rachelle Arada
Subject: FW: 2801 Macarthur Blvd Oakland

FYI.
Bing
-----Original Message-----
From: Nzewi, Obi [mailto:ONzewi@Fugro.com]
Sent: Friday, June 30, 2006 12:06 PM
To: Bing Roura
Subject: 2801 Macarthur Blvd Oakland

Hi Bing, please ensure that none of the soil samples for this job (Fugro Job No: 838.006, and ATL Job No: 085202) are discarded without consultation with Fugro.
Thanks
-----Original Message-----
From: Bing Roura [mailto:bing@atlglobal.com]
Sent: Wednesday, June 28, 2006 3:06 PM
To: Nzewi, Obi
Cc: Carmen Aguila
Subject: RE: 2801 Macarthur

For B-14@3.0, I cannot find the sample. Is this supposed to be B-14@30?
Thanks,
Bing

-----Original Message-----
From: Nzewi, Obi [mailto:ONzewi@Fugro.com]
Sent: Wednesday, June 28, 2006 12:08 PM
To: Bing Roura
Subject: 2801 Macarthur

Hi Bing, could you please prepare a duplicate sample from the following and test them for TPHg.
Soil: B-14 @3.0, B-18 @15
Groundwater: B-13, B-15, B-17, and B-18

Thanks
Obi Nzewi
Project Geologist
Fugro West Inc
1000 Broadway, Suite 200
www.fugrowest.com
phone: (510) 268 0461
fax: (510) 268 0137
cell: (510) 701 4174

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July 05, 2006

Obi Nzewi
Fugro West, Inc.
1000 Broadway, Suite 200
Oakland, CA 94607
TEL: (510) 268-0461
FAX: (510) 268-0137

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 085175

RE: APA Fund, 838.006

Attention: Obi Nzewi

Enclosed are the results for sample(s) received on June 22, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

CLIENT: Fugro West, Inc.
Project: APA Fund, 838.006
Lab Order: 085175

CASE NARRATIVE

Analytical Comments for EPA 8015 (DRO & ORO)

Silica Gel clean-up was performed on the extracts.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-13
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 1:45:00 PM
Lab ID:	085175-001A	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
		EPA 8260B				
RunID: MS11_060624A	QC Batch: A06VW179			PrepDate:		Analyst: **HH**
1,2-Dibromoethane	ND	0.50		µg/L	1	6/24/2006
1,2-Dichloroethane	0.98	0.50		µg/L	1	6/24/2006
Benzene	ND	0.50		µg/L	1	6/24/2006
Di-isopropyl ether	ND	0.50		µg/L	1	6/24/2006
Ethyl tert-butyl ether	ND	0.50		µg/L	1	6/24/2006
Ethylbenzene	ND	0.50		µg/L	1	6/24/2006
m,p-Xylene	ND	1.0		µg/L	1	6/24/2006
MTBE	ND	0.50		µg/L	1	6/24/2006
o-Xylene	ND	0.50		µg/L	1	6/24/2006
Tert-amyl methyl ether	ND	0.50		µg/L	1	6/24/2006
Tert-Butanol	ND	10		µg/L	1	6/24/2006
Toluene	ND	0.50		µg/L	1	6/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-13
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 1:45:00 PM
Lab ID:	085175-001B	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC6_060622A	QC Batch: I06VW167			PrepDate:		Analyst: **TT**
GRO	ND	0.050		mg/L	1	6/22/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-13
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 1:45:00 PM
Lab ID:	085175-001C	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_060626B	QC Batch: 28810			PrepDate:	6/26/2006	Analyst: **CBR**
DRO	0.055	0.053		mg/L	1	6/26/2006
ORO	ND	0.053		mg/L	1	6/26/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-13
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 1:45:00 PM
Lab ID:	085175-001D	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC6_060703A	QC Batch: I06VW175			PrepDate:		Analyst: **EA**
GRO	ND	0.050		mg/L	1	7/3/2006
GRO	ND	0.050		mg/L	1	7/3/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-14
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 10:35:00 AM
Lab ID:	085175-002A	**Matrix:**	WATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_060624A QC Batch: A06VW179 PrepDate: Analyst: **HH**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	0.50		µg/L	1	6/24/2006
1,2-Dichloroethane	ND	0.50		µg/L	1	6/24/2006
Benzene	ND	0.50		µg/L	1	6/24/2006
Di-isopropyl ether	ND	0.50		µg/L	1	6/24/2006
Ethyl tert-butyl ether	ND	0.50		µg/L	1	6/24/2006
Ethylbenzene	ND	0.50		µg/L	1	6/24/2006
m,p-Xylene	ND	1.0		µg/L	1	6/24/2006
MTBE	ND	0.50		µg/L	1	6/24/2006
o-Xylene	ND	0.50		µg/L	1	6/24/2006
Tert-amyl methyl ether	ND	0.50		µg/L	1	6/24/2006
Tert-Butanol	ND	10		µg/L	1	6/24/2006
Toluene	ND	0.50		µg/L	1	6/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-14
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 10:35:00 AM
Lab ID:	085175-002B	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC6_060622A	QC Batch: I06VW167			PrepDate:		Analyst: **TT**
GRO	0.078	0.050		mg/L	1	6/22/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-14
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 10:35:00 AM
Lab ID:	085175-002C	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_060626B	QC Batch: 28810			PrepDate:	6/26/2006	Analyst: **CBR**
DRO	0.063	0.059		mg/L	1	6/26/2006
ORO	ND	0.059		mg/L	1	6/26/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 4:15:00 PM
Lab ID:	085175-003A	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**EPA 8260B**		
RunID: MS11_060626A	QC Batch: A06VW181			PrepDate:		Analyst: **HH**
1,2-Dibromoethane	ND	1.0		µg/L	2	6/26/2006
1,2-Dichloroethane	ND	1.0		µg/L	2	6/26/2006
Benzene	6.2	1.0		µg/L	2	6/26/2006
Di-isopropyl ether	ND	1.0		µg/L	2	6/26/2006
Ethyl tert-butyl ether	ND	1.0		µg/L	2	6/26/2006
Ethylbenzene	36	1.0		µg/L	2	6/26/2006
m,p-Xylene	15	2.0		µg/L	2	6/26/2006
MTBE	6.8	1.0		µg/L	2	6/26/2006
o-Xylene	14	1.0		µg/L	2	6/26/2006
Tert-amyl methyl ether	ND	1.0		µg/L	2	6/26/2006
Tert-Butanol	ND	20		µg/L	2	6/26/2006
Toluene	ND	1.0		µg/L	2	6/26/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 4:15:00 PM
Lab ID:	085175-003B	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC6_060622A	QC Batch: I06VW167			PrepDate:		Analyst: **TT**
GRO	7.0	0.050		mg/L	1	6/22/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 4:15:00 PM
Lab ID:	085175-003C	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_060626B	QC Batch: 28810			PrepDate:	6/26/2006	Analyst: **CBR**
DRO	1.5	0.056		mg/L	1	6/26/2006
ORO	ND	0.056		mg/L	1	6/26/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 4:15:00 PM
Lab ID:	085175-003D	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC6_060703A	QC Batch: I06VW175			PrepDate:		Analyst: **EA**
GRO	6.9	0.50		mg/L	10	7/3/2006
GRO	6.9	0.50		mg/L	10	7/3/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15@24'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 7:50:00 AM
Lab ID:	085175-004A	**Matrix:**	WATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS11_060626A QC Batch: A06VW181 PrepDate: Analyst: **HH**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	1.0		µg/L	2	6/26/2006
1,2-Dichloroethane	2.1	1.0		µg/L	2	6/26/2006
Benzene	19	1.0		µg/L	2	6/26/2006
Di-isopropyl ether	ND	1.0		µg/L	2	6/26/2006
Ethyl tert-butyl ether	ND	1.0		µg/L	2	6/26/2006
Ethylbenzene	78	1.0		µg/L	2	6/26/2006
m,p-Xylene	39	2.0		µg/L	2	6/26/2006
MTBE	4.4	1.0		µg/L	2	6/26/2006
o-Xylene	33	1.0		µg/L	2	6/26/2006
Tert-amyl methyl ether	ND	1.0		µg/L	2	6/26/2006
Tert-Butanol	ND	20		µg/L	2	6/26/2006
Toluene	ND	1.0		µg/L	2	6/26/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15@24'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 7:50:00 AM
Lab ID:	085175-004B	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
			EPA 8015B(M)			
RunID: GC6_060622A	QC Batch: I06VW167			PrepDate:		Analyst: **TT**
GRO	10	0.050		mg/L	1	6/22/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15@24'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 7:50:00 AM
Lab ID:	085175-004C	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_060626B	QC Batch: 28810			PrepDate:	6/26/2006	Analyst: **CBR**
DRO	1.2	0.050		mg/L	1	6/26/2006
ORO	ND	0.050		mg/L	1	6/26/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-13@5.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 10:05:00 AM
Lab ID:	085175-005A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	1.2	1.0		mg/Kg	1	6/27/2006
ORO	2.2	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_060623A	QC Batch: E06VS127			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/24/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/24/2006
Benzene	ND	5.0		µg/Kg	1	6/24/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/24/2006
m,p-Xylene	ND	10		µg/Kg	1	6/24/2006
MTBE	ND	5.0		µg/Kg	1	6/24/2006
o-Xylene	ND	5.0		µg/Kg	1	6/24/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/24/2006
Tert-Butanol	ND	100		µg/Kg	1	6/24/2006
Toluene	ND	5.0		µg/Kg	1	6/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-13@10.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 10:19:00 AM
Lab ID:	085175-006A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	1.2	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060623A	QC Batch: E06VS127			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/24/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/24/2006
Benzene	ND	5.0		µg/Kg	1	6/24/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/24/2006
m,p-Xylene	ND	10		µg/Kg	1	6/24/2006
MTBE	ND	5.0		µg/Kg	1	6/24/2006
o-Xylene	ND	5.0		µg/Kg	1	6/24/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/24/2006
Tert-Butanol	ND	100		µg/Kg	1	6/24/2006
Toluene	ND	5.0		µg/Kg	1	6/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-13@11.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 10:23:00 AM
Lab ID:	085175-007A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060623A	QC Batch: E06VS127			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/24/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/24/2006
Benzene	ND	5.0		µg/Kg	1	6/24/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/24/2006
m,p-Xylene	ND	10		µg/Kg	1	6/24/2006
MTBE	ND	5.0		µg/Kg	1	6/24/2006
o-Xylene	ND	5.0		µg/Kg	1	6/24/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/24/2006
Tert-Butanol	ND	100		µg/Kg	1	6/24/2006
Toluene	ND	5.0		µg/Kg	1	6/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-13@15.5'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 10:35:00 AM
Lab ID:	085175-008A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060623A	QC Batch: E06VS127			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/24/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/24/2006
Benzene	ND	5.0		µg/Kg	1	6/24/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/24/2006
m,p-Xylene	ND	10		µg/Kg	1	6/24/2006
MTBE	ND	5.0		µg/Kg	1	6/24/2006
o-Xylene	ND	5.0		µg/Kg	1	6/24/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/24/2006
Tert-Butanol	ND	100		µg/Kg	1	6/24/2006
Toluene	ND	5.0		µg/Kg	1	6/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-13@20.5'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 10:48:00 AM
Lab ID:	085175-009A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060623A	QC Batch: E06VS127			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/24/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/24/2006
Benzene	ND	5.0		µg/Kg	1	6/24/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/24/2006
m,p-Xylene	ND	10		µg/Kg	1	6/24/2006
MTBE	ND	5.0		µg/Kg	1	6/24/2006
o-Xylene	ND	5.0		µg/Kg	1	6/24/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/24/2006
Tert-Butanol	ND	100		µg/Kg	1	6/24/2006
Toluene	ND	5.0		µg/Kg	1	6/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-13@25.5'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 11:04:00 AM
Lab ID:	085175-010A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	1.4	1.0		mg/Kg	1	6/27/2006
ORO	1.2	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060626A	QC Batch: D06VS058			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/26/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/24/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/24/2006
Benzene	ND	5.0		µg/Kg	1	6/24/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/24/2006
m,p-Xylene	ND	10		µg/Kg	1	6/24/2006
MTBE	ND	5.0		µg/Kg	1	6/24/2006
o-Xylene	ND	5.0		µg/Kg	1	6/24/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/24/2006
Tert-Butanol	ND	100		µg/Kg	1	6/24/2006
Toluene	ND	5.0		µg/Kg	1	6/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-13@25.5'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 11:04:00 AM
Lab ID:	085175-010B	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC2_060623A	QC Batch: E06VS127			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006

Qualifiers:	B	Analyte detected in the associated Method Blank
	H	Holding times for preparation or analysis exceeded
	S	Spike/Surrogate outside of limits due to matrix interference
	DO	Surrogate Diluted Out
	E	Value above quantitation range
	ND	Not Detected at the Reporting Limit
		Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-13@30.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 11:15:00 AM
Lab ID:	085175-011A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	1.3	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060623A	QC Batch: E06VS127			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/24/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/24/2006
Benzene	ND	5.0		µg/Kg	1	6/24/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/24/2006
m,p-Xylene	ND	10		µg/Kg	1	6/24/2006
MTBE	ND	5.0		µg/Kg	1	6/24/2006
o-Xylene	ND	5.0		µg/Kg	1	6/24/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/24/2006
Tert-Butanol	ND	100		µg/Kg	1	6/24/2006
Toluene	ND	5.0		µg/Kg	1	6/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-13@35.5'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 11:32:00 AM
Lab ID:	085175-012A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	1.1	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060623A	QC Batch: E06VS127			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/24/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/24/2006
Benzene	ND	5.0		µg/Kg	1	6/24/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/24/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/24/2006
m,p-Xylene	ND	10		µg/Kg	1	6/24/2006
MTBE	ND	5.0		µg/Kg	1	6/24/2006
o-Xylene	ND	5.0		µg/Kg	1	6/24/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/24/2006
Tert-Butanol	ND	100		µg/Kg	1	6/24/2006
Toluene	ND	5.0		µg/Kg	1	6/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-13@45.5'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 12:01:00 PM
Lab ID:	085175-013A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	1.3	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060623A	QC Batch: E06VS127			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/25/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/25/2006
Benzene	ND	5.0		µg/Kg	1	6/25/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/25/2006
m,p-Xylene	ND	10		µg/Kg	1	6/25/2006
MTBE	ND	5.0		µg/Kg	1	6/25/2006
o-Xylene	ND	5.0		µg/Kg	1	6/25/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/25/2006
Tert-Butanol	ND	100		µg/Kg	1	6/25/2006
Toluene	ND	5.0		µg/Kg	1	6/25/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-13@60.5'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/19/2006 1:25:00 PM
Lab ID:	085175-014A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	1.3	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060623A	QC Batch: E06VS127			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060626A	QC Batch: R06VS121			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/26/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/26/2006
Benzene	ND	5.0		µg/Kg	1	6/26/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/26/2006
m,p-Xylene	ND	10		µg/Kg	1	6/26/2006
MTBE	ND	5.0		µg/Kg	1	6/26/2006
o-Xylene	ND	5.0		µg/Kg	1	6/26/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/26/2006
Tert-Butanol	ND	100		µg/Kg	1	6/26/2006
Toluene	ND	5.0		µg/Kg	1	6/26/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-14@5.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 8:50:00 AM
Lab ID:	085175-015A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	1.1	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060623A	QC Batch: D06VS057			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060626A	QC Batch: R06VS121			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/26/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/26/2006
Benzene	ND	5.0		µg/Kg	1	6/26/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/26/2006
m,p-Xylene	ND	10		µg/Kg	1	6/26/2006
MTBE	ND	5.0		µg/Kg	1	6/26/2006
o-Xylene	ND	5.0		µg/Kg	1	6/26/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/26/2006
Tert-Butanol	ND	100		µg/Kg	1	6/26/2006
Toluene	ND	5.0		µg/Kg	1	6/26/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-14@15.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 9:05:00 AM
Lab ID:	085175-016A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	1.3	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060623A	QC Batch: D06VS057			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/25/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/25/2006
Benzene	ND	5.0		µg/Kg	1	6/25/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/25/2006
m,p-Xylene	ND	10		µg/Kg	1	6/25/2006
MTBE	ND	5.0		µg/Kg	1	6/25/2006
o-Xylene	ND	5.0		µg/Kg	1	6/25/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/25/2006
Tert-Butanol	ND	100		µg/Kg	1	6/25/2006
Toluene	ND	5.0		µg/Kg	1	6/25/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-14@25.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 9:25:00 AM
Lab ID:	085175-017A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060623A	QC Batch: D06VS057			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/25/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/25/2006
Benzene	ND	5.0		µg/Kg	1	6/25/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/25/2006
m,p-Xylene	ND	10		µg/Kg	1	6/25/2006
MTBE	ND	5.0		µg/Kg	1	6/25/2006
o-Xylene	ND	5.0		µg/Kg	1	6/25/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/25/2006
Tert-Butanol	ND	100		µg/Kg	1	6/25/2006
Toluene	ND	5.0		µg/Kg	1	6/25/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-14@26.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 9:27:00 AM
Lab ID:	085175-018A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	1.3	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060623A	QC Batch: D06VS057			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/25/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/25/2006
Benzene	ND	5.0		µg/Kg	1	6/25/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/25/2006
m,p-Xylene	ND	10		µg/Kg	1	6/25/2006
MTBE	ND	5.0		µg/Kg	1	6/25/2006
o-Xylene	ND	5.0		µg/Kg	1	6/25/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/25/2006
Tert-Butanol	ND	100		µg/Kg	1	6/25/2006
Toluene	ND	5.0		µg/Kg	1	6/25/2006

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-14@30.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 9:40:00 AM
Lab ID:	085175-019A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate:	6/26/2006	Analyst: **CBR**
DRO	1.4	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060623A	QC Batch: D06VS057			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/25/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/25/2006
Benzene	ND	5.0		µg/Kg	1	6/25/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/25/2006
m,p-Xylene	ND	10		µg/Kg	1	6/25/2006
MTBE	ND	5.0		µg/Kg	1	6/25/2006
o-Xylene	ND	5.0		µg/Kg	1	6/25/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/25/2006
Tert-Butanol	ND	100		µg/Kg	1	6/25/2006
Toluene	ND	5.0		µg/Kg	1	6/25/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-14@30.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 9:40:00 AM
Lab ID:	085175-019B	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC2_060629A	QC Batch: E06VS133			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/29/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-14@35.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 9:50:00 AM
Lab ID:	085175-020A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060623A	QC Batch: D06VS057			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/25/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/25/2006
Benzene	ND	5.0		µg/Kg	1	6/25/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/25/2006
m,p-Xylene	ND	10		µg/Kg	1	6/25/2006
MTBE	ND	5.0		µg/Kg	1	6/25/2006
o-Xylene	ND	5.0		µg/Kg	1	6/25/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/25/2006
Tert-Butanol	ND	100		µg/Kg	1	6/25/2006
Toluene	ND	5.0		µg/Kg	1	6/25/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-14@40.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 10:05:00 AM
Lab ID:	085175-021A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060623A	QC Batch: D06VS057			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/25/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/25/2006
Benzene	ND	5.0		µg/Kg	1	6/25/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/25/2006
m,p-Xylene	ND	10		µg/Kg	1	6/25/2006
MTBE	ND	5.0		µg/Kg	1	6/25/2006
o-Xylene	ND	5.0		µg/Kg	1	6/25/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/25/2006
Tert-Butanol	ND	100		µg/Kg	1	6/25/2006
Toluene	ND	5.0		µg/Kg	1	6/25/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-14@45.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 10:20:00 AM
Lab ID:	085175-022A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	1.2	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060623A	QC Batch: D06VS057			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060624A	QC Batch: R06VS120			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/25/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/25/2006
Benzene	ND	5.0		µg/Kg	1	6/25/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/25/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/25/2006
m,p-Xylene	ND	10		µg/Kg	1	6/25/2006
MTBE	ND	5.0		µg/Kg	1	6/25/2006
o-Xylene	ND	5.0		µg/Kg	1	6/25/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/25/2006
Tert-Butanol	ND	100		µg/Kg	1	6/25/2006
Toluene	ND	5.0		µg/Kg	1	6/25/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15@5.5'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 1:00:00 PM
Lab ID:	085175-023A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate: 6/26/2006		Analyst: **CBR**
DRO	1.0	1.0		mg/Kg	1	6/27/2006
ORO	1.5	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060623A	QC Batch: D06VS057			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060626A	QC Batch: R06VS121			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/26/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/26/2006
Benzene	ND	5.0		µg/Kg	1	6/26/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/26/2006
m,p-Xylene	ND	10		µg/Kg	1	6/26/2006
MTBE	ND	5.0		µg/Kg	1	6/26/2006
o-Xylene	ND	5.0		µg/Kg	1	6/26/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/26/2006
Tert-Butanol	ND	100		µg/Kg	1	6/26/2006
Toluene	ND	5.0		µg/Kg	1	6/26/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15@10.5'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 1:15:00 PM
Lab ID:	085175-024A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060627B	QC Batch: 28828			PrepDate:	6/26/2006	Analyst: **CBR**
DRO	1.2	1.0		mg/Kg	1	6/27/2006
ORO	ND	1.0		mg/Kg	1	6/27/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060623A	QC Batch: D06VS057			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060626A	QC Batch: R06VS121			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/26/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/26/2006
Benzene	ND	5.0		µg/Kg	1	6/26/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/26/2006
m,p-Xylene	ND	10		µg/Kg	1	6/26/2006
MTBE	ND	5.0		µg/Kg	1	6/26/2006
o-Xylene	ND	5.0		µg/Kg	1	6/26/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/26/2006
Tert-Butanol	ND	100		µg/Kg	1	6/26/2006
Toluene	ND	5.0		µg/Kg	1	6/26/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15@16.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 2:10:00 PM
Lab ID:	085175-025A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate:	6/28/2006	Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	6/29/2006
ORO	1.7	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060623A	QC Batch: D06VS057			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060626A	QC Batch: R06VS121			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/26/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/26/2006
Benzene	ND	5.0		µg/Kg	1	6/26/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/26/2006
m,p-Xylene	ND	10		µg/Kg	1	6/26/2006
MTBE	ND	5.0		µg/Kg	1	6/26/2006
o-Xylene	ND	5.0		µg/Kg	1	6/26/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/26/2006
Tert-Butanol	ND	100		µg/Kg	1	6/26/2006
Toluene	ND	5.0		µg/Kg	1	6/26/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15@20.5'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 2:25:00 PM
Lab ID:	085175-026A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate:	6/28/2006	Analyst: **CBR**
DRO	1.2	1.0		mg/Kg	1	6/29/2006
ORO	2.1	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060623A	QC Batch: D06VS057			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/23/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060626A	QC Batch: R06VS121			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/26/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/26/2006
Benzene	ND	5.0		µg/Kg	1	6/26/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/26/2006
m,p-Xylene	ND	10		µg/Kg	1	6/26/2006
MTBE	ND	5.0		µg/Kg	1	6/26/2006
o-Xylene	ND	5.0		µg/Kg	1	6/26/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/26/2006
Tert-Butanol	ND	100		µg/Kg	1	6/26/2006
Toluene	ND	5.0		µg/Kg	1	6/26/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15@25.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 2:35:00 PM
Lab ID:	085175-027A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate: 6/28/2006		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	6/29/2006
ORO	1.5	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060626A	QC Batch: D06VS058			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/26/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060626A	QC Batch: R06VS121			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/26/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/26/2006
Benzene	ND	5.0		µg/Kg	1	6/26/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/26/2006
m,p-Xylene	ND	10		µg/Kg	1	6/26/2006
MTBE	ND	5.0		µg/Kg	1	6/26/2006
o-Xylene	ND	5.0		µg/Kg	1	6/26/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/26/2006
Tert-Butanol	ND	100		µg/Kg	1	6/26/2006
Toluene	ND	5.0		µg/Kg	1	6/26/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15@25.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 2:35:00 PM
Lab ID:	085175-027B	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
		EPA 8015B(M)				
RunID: GC1_060626A	QC Batch: D06VS058			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/26/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15@30.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 2:56:00 PM
Lab ID:	085175-028A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate:	6/28/2006	Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	6/29/2006
ORO	1.5	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060626A	QC Batch: D06VS058			PrepDate:		Analyst: **ML**
GRO	9.6	5.0		mg/Kg	5	6/26/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060626B	QC Batch: R06VS122			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/27/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/27/2006
Benzene	ND	5.0		µg/Kg	1	6/27/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/27/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/27/2006
Ethylbenzene	29	5.0		µg/Kg	1	6/27/2006
m,p-Xylene	ND	10		µg/Kg	1	6/27/2006
MTBE	ND	5.0		µg/Kg	1	6/27/2006
o-Xylene	28	5.0		µg/Kg	1	6/27/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/27/2006
Tert-Butanol	ND	100		µg/Kg	1	6/27/2006
Toluene	ND	5.0		µg/Kg	1	6/27/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15@35.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 3:25:00 PM
Lab ID:	085175-029A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate:	6/28/2006	Analyst: **CBR**
DRO	1.1	1.0		mg/Kg	1	6/29/2006
ORO	1.5	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060626A	QC Batch: D06VS058			PrepDate:		Analyst: **ML**
GRO	57	5.0		mg/Kg	5	6/26/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060626B	QC Batch: R06VS122			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/27/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/27/2006
Benzene	ND	5.0		µg/Kg	1	6/27/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/27/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/27/2006
Ethylbenzene	43	5.0		µg/Kg	1	6/27/2006
m,p-Xylene	ND	10		µg/Kg	1	6/27/2006
MTBE	ND	5.0		µg/Kg	1	6/27/2006
o-Xylene	ND	5.0		µg/Kg	1	6/27/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/27/2006
Tert-Butanol	ND	100		µg/Kg	1	6/27/2006
Toluene	ND	5.0		µg/Kg	1	6/27/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15@40.5'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 3:41:00 PM
Lab ID:	085175-030A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate: 6/28/2006		Analyst: **CBR**
DRO	3.7	1.0		mg/Kg	1	6/30/2006
ORO	ND	1.0		mg/Kg	1	6/30/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060626A	QC Batch: D06VS058			PrepDate:		Analyst: **ML**
GRO	150	50		mg/Kg	50	6/26/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060626B	QC Batch: R06VS122			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/27/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/27/2006
Benzene	ND	5.0		µg/Kg	1	6/27/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/27/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/27/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/27/2006
m,p-Xylene	ND	10		µg/Kg	1	6/27/2006
MTBE	ND	5.0		µg/Kg	1	6/27/2006
o-Xylene	ND	5.0		µg/Kg	1	6/27/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/27/2006
Tert-Butanol	ND	100		µg/Kg	1	6/27/2006
Toluene	ND	5.0		µg/Kg	1	6/27/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Jul-06*

CLIENT:	Fugro West, Inc.	**Client Sample ID:**	B-15@45.0'
Lab Order:	085175	**Tag Number:**	
Project:	APA Fund, 838.006	**Collection Date:**	6/20/2006 3:45:00 PM
Lab ID:	085175-031A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID						
EPA 3550B				**EPA 8015B(M)**		
RunID: GC7_060629A	QC Batch: 28899			PrepDate: 6/28/2006		Analyst: **CBR**
DRO	ND	1.0		mg/Kg	1	6/29/2006
ORO	1.5	1.0		mg/Kg	1	6/29/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060626A	QC Batch: D06VS058			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	6/26/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060626A	QC Batch: R06VS121			PrepDate:		Analyst: **TT**
1,2-Dibromoethane	ND	5.0		µg/Kg	1	6/26/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	6/26/2006
Benzene	ND	5.0		µg/Kg	1	6/26/2006
Di-isopropyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	6/26/2006
Ethylbenzene	ND	5.0		µg/Kg	1	6/26/2006
m,p-Xylene	ND	10		µg/Kg	1	6/26/2006
MTBE	ND	5.0		µg/Kg	1	6/26/2006
o-Xylene	ND	5.0		µg/Kg	1	6/26/2006
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	6/26/2006
Tert-Butanol	ND	100		µg/Kg	1	6/26/2006
Toluene	ND	5.0		µg/Kg	1	6/26/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories
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CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: MB-28828	SampType: MBLK	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/26/2006	RunNo: 65017
Client ID: PBS	Batch ID: 28828	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/27/2006	SeqNo: 964593

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									

Sample ID: LCS-28828	SampType: LCS	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/26/2006	RunNo: 65017
Client ID: LCSS	Batch ID: 28828	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/27/2006	SeqNo: 964612

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	13.226	1.0	33.00	0	40.1	38	106				

Sample ID: MB-28828	SampType: MBLK	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/26/2006	RunNo: 65017
Client ID: PBS	Batch ID: 28828	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/27/2006	SeqNo: 964613

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									

Sample ID: LCS-28828	SampType: LCS	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/26/2006	RunNo: 65017
Client ID: LCSS	Batch ID: 28828	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/27/2006	SeqNo: 964614

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	13.481	1.0	33.00	0	40.9	38	106				

Sample ID: 085175-005AMS	SampType: MS	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/26/2006	RunNo: 65017
Client ID: B-13@5.0'	Batch ID: 28828	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/27/2006	SeqNo: 964615

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	15.776	1.0	33.00	1.159	44.3	27	109				

Qualifiers:

- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **085175-005AMSD**	SampType: **MSD**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/26/2006**	RunNo: **65017**
Client ID: **B-13@5.0'**	Batch ID: **28828**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **6/27/2006**	SeqNo: **964618**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	15.970	1.0	33.00	1.159	44.9	27	109	15.78	1.22	30	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out

Calculations are based on raw values

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CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: LCS-28899	SampType: LCS	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/28/2006	RunNo: 65118
Client ID: LCSS	Batch ID: 28899	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/29/2006	SeqNo: 966263

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	19.211	1.0	33.00	0	58.2	38	106				

Sample ID: MB-28899	SampType: MBLK	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/28/2006	RunNo: 65118
Client ID: PBS	Batch ID: 28899	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/29/2006	SeqNo: 966264

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									

Sample ID: 085175-025AMS	SampType: MS	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/28/2006	RunNo: 65118
Client ID: B-15@16.0'	Batch ID: 28899	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/29/2006	SeqNo: 966277

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	13.364	1.0	33.00	0	40.5	27	109				

Sample ID: 085175-025AMSD	SampType: MSD	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/28/2006	RunNo: 65118
Client ID: B-15@16.0'	Batch ID: 28899	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/29/2006	SeqNo: 966278

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	13.569	1.0	33.00	0	41.1	27	109	13.36	1.52	30	

Sample ID: MB-28899	SampType: MBLK	TestCode: 8015_S_DM L	Units: mg/Kg	Prep Date: 6/28/2006	RunNo: 65118
Client ID: PBS	Batch ID: 28899	TestNo: EPA 8015B(M	EPA 3550B	Analysis Date: 6/29/2006	SeqNo: 966279

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DM LL

Sample ID: **LCS-28899**	SampType: **LCS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/28/2006**	RunNo: **65118**
Client ID: **LCSS**	Batch ID: **28899**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **6/29/2006**	SeqNo: **966280**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	20.861	1.0	33.00	0	63.2	38	106				

Sample ID: **MB-28899**	SampType: **MBLK**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/28/2006**	RunNo: **65118**
Client ID: **PBS**	Batch ID: **28899**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **6/30/2006**	SeqNo: **966796**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									

Sample ID: **LCS-28899**	SampType: **LCS**	TestCode: **8015_S_DM L**	Units: **mg/Kg**	Prep Date: **6/28/2006**	RunNo: **65118**
Client ID: **LCSS**	Batch ID: **28899**	TestNo: **EPA 8015B(M**	**EPA 3550B**	Analysis Date: **6/30/2006**	SeqNo: **966797**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	23.390	1.0	33.00	0	70.9	38	106				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: D062306MB1	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 64920
Client ID: PBS	Batch ID: D06VS057	TestNo: EPA 8015B(M		Analysis Date: 6/23/2006	SeqNo: 962876

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.158	1.0									

Sample ID: D062306MB1MS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 64920
Client ID: ZZZZZZ	Batch ID: D06VS057	TestNo: EPA 8015B(M		Analysis Date: 6/23/2006	SeqNo: 962877

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.723	1.0	5.000	0.1580	91.3	34	140				

Sample ID: D062306MB1MSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 64920
Client ID: ZZZZZZ	Batch ID: D06VS057	TestNo: EPA 8015B(M		Analysis Date: 6/23/2006	SeqNo: 962878

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.889	1.0	5.000	0.1580	94.6	34	140	4.723	3.45	30	

Sample ID: D062306LCS2	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 64920
Client ID: LCSS	Batch ID: D06VS057	TestNo: EPA 8015B(M		Analysis Date: 6/23/2006	SeqNo: 962891

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.948	1.0	5.000	0.1580	95.8	78	122				

Qualifiers:

- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

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CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: D062606MB1	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 64973
Client ID: PBS	Batch ID: D06VS058	TestNo: EPA 8015B(M		Analysis Date: 6/26/2006	SeqNo: 963830

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.163	1.0									

Sample ID: D062606MB1MS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 64973
Client ID: ZZZZZZ	Batch ID: D06VS058	TestNo: EPA 8015B(M		Analysis Date: 6/26/2006	SeqNo: 963831

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.837	1.0	5.000	0.1630	93.5	34	140				

Sample ID: D062606MB1MSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 64973
Client ID: ZZZZZZ	Batch ID: D06VS058	TestNo: EPA 8015B(M		Analysis Date: 6/26/2006	SeqNo: 963832

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.911	1.0	5.000	0.1630	95.0	34	140	4.837	1.52	30	

Sample ID: D062606LCS2	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 64973
Client ID: LCSS	Batch ID: D06VS058	TestNo: EPA 8015B(M		Analysis Date: 6/26/2006	SeqNo: 963835

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.728	1.0	5.000	0.1630	91.3	78	122				

Qualifiers:

- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interferenc
- DO Surrogate Diluted Out

Calculations are based on raw values

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CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E062306MB1	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 64911
Client ID: PBS	Batch ID: E06VS127	TestNo: EPA 8015B(M		Analysis Date: 6/23/2006	SeqNo: 962659

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									

Sample ID: E062306MB1MS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 64911
Client ID: ZZZZZZ	Batch ID: E06VS127	TestNo: EPA 8015B(M		Analysis Date: 6/23/2006	SeqNo: 962660

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.103	1.0	5.000	0	102	34	140				

Sample ID: E062306MB1MSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 64911
Client ID: ZZZZZZ	Batch ID: E06VS127	TestNo: EPA 8015B(M		Analysis Date: 6/23/2006	SeqNo: 962661

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.045	1.0	5.000	0	101	34	140	5.103	1.14	30	

Sample ID: E062306LCS2	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 64911
Client ID: LCSS	Batch ID: E06VS127	TestNo: EPA 8015B(M		Analysis Date: 6/23/2006	SeqNo: 962678

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.116	1.0	5.000	0	102	78	122				

Qualifiers:
E Value above quantitation range
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E062906MB1	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65105
Client ID: PBS	Batch ID: E06VS133	TestNo: EPA 8015B(M		Analysis Date: 6/29/2006	SeqNo: 966102

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									

Sample ID: E062906MB1MS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65105
Client ID: ZZZZZZ	Batch ID: E06VS133	TestNo: EPA 8015B(M		Analysis Date: 6/29/2006	SeqNo: 966103

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.965	1.0	5.000	0	99.3	34	140				

Sample ID: E062906MB1MSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65105
Client ID: ZZZZZZ	Batch ID: E06VS133	TestNo: EPA 8015B(M		Analysis Date: 6/29/2006	SeqNo: 966104

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.639	1.0	5.000	0	92.8	34	140	4.965	6.79	30	

Sample ID: E062906LCS1	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 65105
Client ID: LCSS	Batch ID: E06VS133	TestNo: EPA 8015B(M		Analysis Date: 6/29/2006	SeqNo: 966106

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.671	1.0	5.000	0	93.4	78	122				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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S Spike/Surrogate outside of limits due to matrix interferenc
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DM_LL

Sample ID: MB-28810	SampType: MBLK	TestCode: 8015_W_DM_	Units: mg/L	Prep Date: 6/26/2006	RunNo: 65070
Client ID: PBW	Batch ID: 28810	TestNo: EPA 8015B(M	EPA 3510C	Analysis Date: 6/26/2006	SeqNo: 965479

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.050									
ORO	ND	0.050									

Sample ID: LCS-28810	SampType: LCS	TestCode: 8015_W_DM_	Units: mg/L	Prep Date: 6/26/2006	RunNo: 65070
Client ID: LCSW	Batch ID: 28810	TestNo: EPA 8015B(M	EPA 3510C	Analysis Date: 6/26/2006	SeqNo: 965480

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.742	0.050	1.000	0	74.2	60	130				

Sample ID: MB-28810MS	SampType: MS	TestCode: 8015_W_DM_	Units: mg/L	Prep Date: 6/26/2006	RunNo: 65070
Client ID: ZZZZZZ	Batch ID: 28810	TestNo: EPA 8015B(M	EPA 3510C	Analysis Date: 6/26/2006	SeqNo: 965481

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.664	0.050	1.000	0	66.4	60	130				

Sample ID: MB-28810MSD	SampType: MSD	TestCode: 8015_W_DM_	Units: mg/L	Prep Date: 6/26/2006	RunNo: 65070
Client ID: ZZZZZZ	Batch ID: 28810	TestNo: EPA 8015B(M	EPA 3510C	Analysis Date: 6/26/2006	SeqNo: 965482

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.748	0.050	1.000	0	74.8	60	130				

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: I062206LCS1	SampType: LCS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 64822
Client ID: LCSW	Batch ID: I06VW167	TestNo: EPA 8015B(M		Analysis Date: 6/22/2006	SeqNo: 960896

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.825	0.050	1.000	0	82.5	71	122				

Sample ID: I062206MB2MS	SampType: MS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 64822
Client ID: ZZZZZZ	Batch ID: I06VW167	TestNo: EPA 8015B(M		Analysis Date: 6/22/2006	SeqNo: 960898

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.983	0.050	1.000	0	98.3	71	122				

Sample ID: I062206MB2	SampType: MBLK	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 64822
Client ID: PBW	Batch ID: I06VW167	TestNo: EPA 8015B(M		Analysis Date: 6/22/2006	SeqNo: 960899

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									

Sample ID: I062206MB2MSD	SampType: MSD	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 64822
Client ID: ZZZZZZ	Batch ID: I06VW167	TestNo: EPA 8015B(M		Analysis Date: 6/22/2006	SeqNo: 960901

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.978	0.050	1.000	0	97.8	71	122	0.9830	0.510	30	

Qualifiers:

- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
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CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: I070306LCS1	SampType: LCS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65225
Client ID: LCSW	Batch ID: I06VW175	TestNo: EPA 8015B(M		Analysis Date: 7/3/2006	SeqNo: 968154

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.925	0.050	1.000	0	92.5	71	122				

Sample ID: I070306MB2MS	SampType: MS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65225
Client ID: ZZZZZZ	Batch ID: I06VW175	TestNo: EPA 8015B(M		Analysis Date: 7/3/2006	SeqNo: 968155

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.968	0.050	1.000	0	96.8	71	122				

Sample ID: I070306MB2MSD	SampType: MSD	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65225
Client ID: ZZZZZZ	Batch ID: I06VW175	TestNo: EPA 8015B(M		Analysis Date: 7/3/2006	SeqNo: 968156

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.993	0.050	1.000	0	99.3	71	122	0.9680	2.55	30	

Sample ID: I070306MB2	SampType: MBLK	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 65225
Client ID: PBW	Batch ID: I06VW175	TestNo: EPA 8015B(M		Analysis Date: 7/3/2006	SeqNo: 968157

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									

Qualifiers:
- E Value above quantitation range
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CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R062406LCS1	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 64928
Client ID: LCSS	Batch ID: R06VS120	TestNo: EPA 8260B		Analysis Date: 6/24/2006	SeqNo: 962970

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	99.780	5.0	100.0	0	99.8	77	131				
MTBE	110.170	5.0	100.0	0	110	50	143				
Toluene	96.460	5.0	100.0	1.190	95.3	78	129				

Sample ID: R062406MB2MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 64928
Client ID: ZZZZZZ	Batch ID: R06VS120	TestNo: EPA 8260B		Analysis Date: 6/24/2006	SeqNo: 962971

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	97.060	5.0	100.0	0	97.1	68	137				
MTBE	103.740	5.0	100.0	0	104	54	141				
Toluene	93.770	5.0	100.0	1.190	92.6	53	150				

Sample ID: R062406MB2MSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 64928
Client ID: ZZZZZZ	Batch ID: R06VS120	TestNo: EPA 8260B		Analysis Date: 6/24/2006	SeqNo: 962972

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	99.950	5.0	100.0	0	100	68	137	97.06	2.93	30	
MTBE	103.100	5.0	100.0	0	103	54	141	103.7	0.619	30	
Toluene	100.350	5.0	100.0	1.190	99.2	53	150	93.77	6.78	30	

Sample ID: R062406MB2	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 64928
Client ID: PBS	Batch ID: R06VS120	TestNo: EPA 8260B		Analysis Date: 6/24/2006	SeqNo: 962973

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichloroethane	ND	5.0									
Benzene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
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S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R062406MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **64928**
Client ID: **PBS** Batch ID: **R06VS120** TestNo: **EPA 8260B** Analysis Date: **6/24/2006** SeqNo: **962973**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	10									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
Toluene	1.190	5.0									

Qualifiers:
E Value above quantitation range
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CLIENT: Fugro West, Inc.
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R062606LCS1** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **64971**
Client ID: **LCSS** Batch ID: **R06VS121** TestNo: **EPA 8260B** Analysis Date: **6/26/2006** SeqNo: **963760**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	97.980	5.0	100.0	0	98.0	77	131				
MTBE	111.810	5.0	100.0	0	112	50	143				
Toluene	94.430	5.0	100.0	0	94.4	78	129				

Sample ID: **R062606MB1MS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **64971**
Client ID: **ZZZZZZ** Batch ID: **R06VS121** TestNo: **EPA 8260B** Analysis Date: **6/26/2006** SeqNo: **963761**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	107.700	5.0	100.0	0	108	68	137				
MTBE	113.940	5.0	100.0	0	114	54	141				
Toluene	100.600	5.0	100.0	0	101	53	150				

Sample ID: **R062606MB1MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **64971**
Client ID: **ZZZZZZ** Batch ID: **R06VS121** TestNo: **EPA 8260B** Analysis Date: **6/26/2006** SeqNo: **963762**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	98.290	5.0	100.0	0	98.3	68	137	107.7	9.14	30	
MTBE	106.340	5.0	100.0	0	106	54	141	113.9	6.90	30	
Toluene	96.110	5.0	100.0	0	96.1	53	150	100.6	4.57	30	

Sample ID: **R062606MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **64971**
Client ID: **PBS** Batch ID: **R06VS121** TestNo: **EPA 8260B** Analysis Date: **6/26/2006** SeqNo: **963763**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichloroethane	ND	5.0									
Benzene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R062606MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **64971**
Client ID: **PBS** Batch ID: **R06VS121** TestNo: **EPA 8260B** Analysis Date: **6/26/2006** SeqNo: **963763**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	10									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
Toluene	ND	5.0									

Qualifiers:
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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: R062606LCS2	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 65021
Client ID: LCSS	Batch ID: R06VS122	TestNo: EPA 8260B		Analysis Date: 6/26/2006	SeqNo: 964554

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	95.950	5.0	100.0	0	96.0	77	131				
MTBE	93.850	5.0	100.0	0	93.8	50	143				
Toluene	94.420	5.0	100.0	0	94.4	78	129				

Sample ID: R062606MB3MS	SampType: MS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 65021
Client ID: ZZZZZZ	Batch ID: R06VS122	TestNo: EPA 8260B		Analysis Date: 6/26/2006	SeqNo: 964555

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	93.370	5.0	100.0	0	93.4	68	137				
MTBE	91.570	5.0	100.0	0	91.6	54	141				
Toluene	91.580	5.0	100.0	0	91.6	53	150				

Sample ID: R062606MB3MSD	SampType: MSD	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 65021
Client ID: ZZZZZZ	Batch ID: R06VS122	TestNo: EPA 8260B		Analysis Date: 6/26/2006	SeqNo: 964556

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	95.070	5.0	100.0	0	95.1	68	137	93.37	1.80	30	
MTBE	93.020	5.0	100.0	0	93.0	54	141	91.57	1.57	30	
Toluene	93.250	5.0	100.0	0	93.2	53	150	91.58	1.81	30	

Sample ID: R062606MB3	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 65021
Client ID: PBS	Batch ID: R06VS122	TestNo: EPA 8260B		Analysis Date: 6/26/2006	SeqNo: 964557

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichloroethane	ND	5.0									
Benzene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R062606MB3** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **65021**
Client ID: **PBS** Batch ID: **R06VS122** TestNo: **EPA 8260B** Analysis Date: **6/26/2006** SeqNo: **964557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	10									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
Toluene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A062306LC2** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **64906**
Client ID: **LCSW** Batch ID: **A06VW179** TestNo: **EPA 8260B** Analysis Date: **6/24/2006** SeqNo: **962554**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	18.690	0.50	20.00	0	93.5	90	121				
MTBE	16.550	0.50	20.00	0	82.8	66	132				
Toluene	19.650	0.50	20.00	0	98.2	93	121				

Sample ID: **A062306MB6MS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **64906**
Client ID: **ZZZZZZ** Batch ID: **A06VW179** TestNo: **EPA 8260B** Analysis Date: **6/24/2006** SeqNo: **962555**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.180	0.50	20.00	0	95.9	90	121				
MTBE	16.960	0.50	20.00	0	84.8	66	132				
Toluene	19.900	0.50	20.00	0	99.5	93	121				

Sample ID: **A062306MB6MSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **64906**
Client ID: **ZZZZZZ** Batch ID: **A06VW179** TestNo: **EPA 8260B** Analysis Date: **6/24/2006** SeqNo: **962556**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	18.870	0.50	20.00	0	94.4	90	121	19.18	1.63	30	
MTBE	16.470	0.50	20.00	0	82.4	66	132	16.96	2.93	30	
Toluene	19.920	0.50	20.00	0	99.6	93	121	19.90	0.100	30	

Sample ID: **A062306MB6** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **64906**
Client ID: **PBW** Batch ID: **A06VW179** TestNo: **EPA 8260B** Analysis Date: **6/24/2006** SeqNo: **962557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	0.50									
Di-isopropyl ether	ND	0.50									
Ethyl tert-butyl ether	ND	0.50									
Ethylbenzene	ND	0.50									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A062306MB6** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **64906**
Client ID: **PBW** Batch ID: **A06VW179** TestNo: **EPA 8260B** Analysis Date: **6/24/2006** SeqNo: **962557**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	1.0									
MTBE	ND	0.50									
o-Xylene	ND	0.50									
Tert-amyl methyl ether	ND	0.50									
Tert-Butanol	ND	10									
Toluene	ND	0.50									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: A062606LC1	SampType: LCS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 65023
Client ID: LCSW	Batch ID: A06VW181	TestNo: EPA 8260B		Analysis Date: 6/26/2006	SeqNo: 964634

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.320	0.50	20.00	0	96.6	90	121				
MTBE	17.360	0.50	20.00	0	86.8	66	132				
Toluene	20.090	0.50	20.00	0	100	93	121				

Sample ID: A062606MB3MS	SampType: MS	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 65023
Client ID: ZZZZZZ	Batch ID: A06VW181	TestNo: EPA 8260B		Analysis Date: 6/26/2006	SeqNo: 964635

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	18.890	0.50	20.00	0	94.4	90	121				
MTBE	17.350	0.50	20.00	0	86.8	66	132				
Toluene	19.840	0.50	20.00	0	99.2	93	121				

Sample ID: A062606MB3MSD	SampType: MSD	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 65023
Client ID: ZZZZZZ	Batch ID: A06VW181	TestNo: EPA 8260B		Analysis Date: 6/26/2006	SeqNo: 964636

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.260	0.50	20.00	0	96.3	90	121	18.89	1.94	30	
MTBE	17.640	0.50	20.00	0	88.2	66	132	17.35	1.66	30	
Toluene	20.200	0.50	20.00	0	101	93	121	19.84	1.80	30	

Sample ID: A062606MB3	SampType: MBLK	TestCode: 8260_WP_LL	Units: µg/L	Prep Date:	RunNo: 65023
Client ID: PBW	Batch ID: A06VW181	TestNo: EPA 8260B		Analysis Date: 6/26/2006	SeqNo: 964637

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	0.50									
Di-isopropyl ether	ND	0.50									
Ethyl tert-butyl ether	ND	0.50									
Ethylbenzene	ND	0.50									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Fugro West, Inc.
Work Order: 085175
Project: APA Fund, 838.006

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **A062606MB3**	SampType: **MBLK**	TestCode: **8260_WP_LL**	Units: **µg/L**		Prep Date:					RunNo: **65023**	
Client ID: **PBW**	Batch ID: **A06VW181**	TestNo: **EPA 8260B**			Analysis Date: **6/26/2006**					SeqNo: **964637**	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	1.0									
MTBE	ND	0.50									
o-Xylene	ND	0.50									
Tert-amyl methyl ether	ND	0.50									
Tert-Butanol	ND	10									
Toluene	ND	0.50									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CHAIN OF CUSTODY

PROJECT NAME: APA Fund

PROJECT NO.: 838.006 LAB: ATL

PROJECT CONTACT: Obi Nzewi TURNAROUND: Standard

SAMPLED BY: Obi Nzewi

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX				CONTAINERS						PRESERVATIVE						SAMPLING DATE										NOTES	ANALYSIS REQUESTED										
		WATER	SOIL	AIR		VOA	LITER	PINT	TUBE			HCL	H_2SO_4	HNO_3	ICE	OTHER	NONE	MONTH		DAY		YEAR		TIME					TPHg (8015m)	TPHd & mo (8015m w/silica gel)	BTEX, 5 Fuel Oxygenates and 2 Lead Scavengers (8260)									
	B-13	X				6						X			X			0	6	1	9	0	6	1	3	4	5		X		X								
	B-13	X					1								X			0	6	1	9	0	6	1	3	4	5			X								
	B-14	X				6						X			X			0	6	2	0	0	6	1	0	3	5		X		X								
	B-14	X					1								X			0	6	2	0	0	6	1	0	3	5			X								
	B-15	X				6						X			X			0	6	2	0	0	6	1	6	1	5		X		X								
	B-15	X					1								X			0	6	2	0	0	6	1	6	1	5			X								
	B-15 0 24'	X				6						X			X			0	6	2	1	0	6	0	7	5	0		X		X								
	B-15 0 24'	X					1								X			0	6	2	1	0	6	0	7	5	0			X								

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	6/21/06 4pm	[signature]	06/22/06 0900
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

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COMMENTS & NOTES:

Do not throw any of the Soil samples away until after confirming with Fugro!

FUGRO WEST, INC.
1000 Broadway, Suite 200
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0137

Excel

CHAIN OF CUSTODY

PROJECT NAME: APA Fund

PROJECT NO.: 838.006 LAB: ATL

PROJECT CONTACT: Obi Nzewi TURNAROUND: Standard

SAMPLED BY: Obi Nzewi

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX				CONTAINERS						PRESERVATIVE						SAMPLING DATE										NOTES	ANALYSIS REQUESTED										
		WATER	SOIL	AIR		VOA	LITER	PINT	TUBE			HCL	H_2SO_4	HNO_3	ICE	OTHER	NONE	MONTH		DAY		YEAR		TIME					TPHg (8015m)	TPHd & mo (8015m w/silica gel)	BTEX, 5 Fuel Oxygenates and 2 Lead Scavengers (8260)								
	B-13 @ 5.0'		X						X						X			0	6	1	9	0	6	1	0	0	5		X	X	X							
	B-13 @ 10.0'		X						X						X			0	6	1	9	0	6	1	0	1	9		X	X	X							
	B-13 @ 11.0'		X						X						X			0	6	1	9	0	6	1	0	2	3		X	X	X							
	B-13 @ 15.5'		X						X						X			0	6	1	9	0	6	1	0	3	5		X	X	X							
	B-13 @ 20.5'		X						X						X			0	6	1	9	0	6	1	0	4	8		X	X	X							
	B-13 @ 25.5'		X						X						X			0	6	1	9	0	6	1	1	0	4	(1)	X	X	X							
	B-13 @ 30.0'		X						X						X			0	6	1	9	0	6	1	1	1	5		X	X	X							
	B-13 @ 35.5'		X						X						X			0	6	1	9	0	6	1	1	3	2		X	X	X							
	B-13 @ 45.5'		X						X						X			0	6	1	9	0	6	1	2	0	7		X	X	X							
	B-13 @ 60.5'		X						X						X			0	6	1	9	0	6	1	3	2	5		X	X	X							

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	6/21/02 4pm	[signature]	062206 0900
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

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COMMENTS & NOTES:

(1) Please prepare a duplicate sample from the tube and conduct only TPHg (8015) on the duplicate.

FUGRO WEST, INC.
1000 Broadway, Suite 200
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0137

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CHAIN OF CUSTODY

PROJECT NAME: APA Fund

PROJECT NO.: 838.006 LAB: ATL

PROJECT CONTACT: Obi Nzewi TURNAROUND: Standard

SAMPLED BY: Obi Nzewi

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX				CONTAINERS						PRESERVATIVE						SAMPLING DATE				NOTES	ANALYSIS REQUESTED									
		WATER	SOIL	AIR		VOA	LITER	PINT	TUBE			HCL	H_2SO_4	HNO_3	ICE	OTHER	NONE	MONTH	DAY	YEAR	TIME		TPHg (8015m)	TPHd & mo (8015m w/silica gel)	BTEX, 5 Fuel Oxygenates and 2 Lead Scavengers (8260)								
	B-14 @ 5.0'		X						X						X			06	20	06	0850		X	X	X							
	B-14 @ 15.0'		X						X						X			06	20	06	0905		X	X	X							
	B-14 @ 25.0'		X						X						X			06	20	06	0925		X	X	X							
	B-14 @ 26.0'		X						X						X			06	20	06	0927		X	X	X							
	B-14 @ 30.0'		X						X						X			06	20	06	0940		X	X	X							
	B-14 @ 35.0'		X						X						X			06	20	06	0950		X	X	X							
	B-14 @ 40.0'		X						X						X			06	20	06	1005		X	X	X							
	B-14 @ 45.0'		X						X						X			06	20	06	1020		X	X	X							

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	6/21/06 4pm	[signature]	062206 0910
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

g:/server migration/data/template/chain of custody

COMMENTS & NOTES:

FUGRO WEST, INC.
1000 Broadway, Suite 200
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0137

Excel

CHAIN OF CUSTODY

PROJECT NAME: APA Fund

PROJECT NO.: 838.006 LAB: ATL

PROJECT CONTACT: Obi Nzewi TURNAROUND: Standard

SAMPLED BY: Obi Nzewi

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX				CONTAINERS						PRESERVATIVE						SAMPLING DATE				NOTES	ANALYSIS REQUESTED										
		WATER	SOIL	AIR		VOA	LITER	PINT	TUBE			HCL	H_2SO_4	HNO_3	ICE	OTHER	NONE	MONTH	DAY	YEAR	TIME		TPHg (8015m)	TPHd & mo (8015m w/silica gel)	BTEX, 5 Fuel Oxygenates and 2 Lead Scavengers (8260)									
	B-15 @ 5.5'		X						X						X			06	20	06	1300		X	X	X								
	B-15 @ 10.5'		X						X						X			06	20	06	1315		X	X	X								
	B-15 @ 16.0'		X						X						X			06	20	06	1410		X	X	X								
	B-15 @ 20.5'		X						X						X			06	20	06	1425		X	X	X								
	B-15 @ 25.0'		X						X						X			06	20	06	1435	(1)	X	X	X								
	B-15 @ 30.0'		X						X						X			06	20	06	1456		X	X	X								
	B-15 @ 35.0'		X						X						X			06	20	06	1525		X	X	X								
	B-15 @ 40.5'		X						X						X			06	20	06	1541		X	X	X								
	B-15 @ 45.0'		X						X						X			06	20	06	1545		X	X	X								

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Alexander	6/21/06 4pm		062206 0910
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

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COMMENTS & NOTES:

(1) Please prepare a duplicate sample from the tube and conduct only TPHg (8015) on the duplicate.

FUGRO WEST, INC.
1000 Broadway, Suite 200
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0137

Excel

Rachelle Arada

From: Carmen Aguila
Sent: Wednesday, July 05, 2006 10:56 AM
To: Rachelle Arada
Subject: FW: 2801 Macarthur Blvd Oakland

-----Original Message-----
From: Bing Roura
Sent: Friday, June 30, 2006 12:20 PM
To: Carmen Aguila
Cc: Rachelle Arada
Subject: FW: 2801 Macarthur Blvd Oakland

FYI.
Bing
-----Original Message-----
From: Nzewi, Obi [mailto:ONzewi@Fugro.com]
Sent: Friday, June 30, 2006 12:06 PM
To: Bing Roura
Subject: 2801 Macarthur Blvd Oakland

Hi Bing, please ensure that none of the soil samples for this job (Fugro Job No: 838.006, and ATL Job No: 085202) are discarded without consultation with Fugro.
Thanks
-----Original Message-----
From: Bing Roura [mailto:bing@atlglobal.com]
Sent: Wednesday, June 28, 2006 3:06 PM
To: Nzewi, Obi
Cc: Carmen Aguila
Subject: RE: 2801 Macarthur

For B-14@3.0, I cannot find the sample. Is this supposed to be B-14@30?
Thanks,
Bing

-----Original Message-----
From: Nzewi, Obi [mailto:ONzewi@Fugro.com]
Sent: Wednesday, June 28, 2006 12:08 PM
To: Bing Roura
Subject: 2801 Macarthur

Hi Bing, could you please prepare a duplicate sample from the following and test them for TPHg.
Soil: B-14 @3.0, B-18 @15
Groundwater: B-13, B-15, B-17, and B-18

Thanks
Obi Nzewi
Project Geologist
Fugro West Inc
1000 Broadway, Suite 200
www.fugrowest.com
phone: (510) 268 0461
fax: (510) 268 0137
cell: (510) 701 4174

PHYSICAL PROPERTIES
LABORATORY TEST RESULTS

LABORATORY TEST SUMMARY

PROJECT NUMBER: 838.006

PROJECT NAME: 2801 MacArthur Blvd.

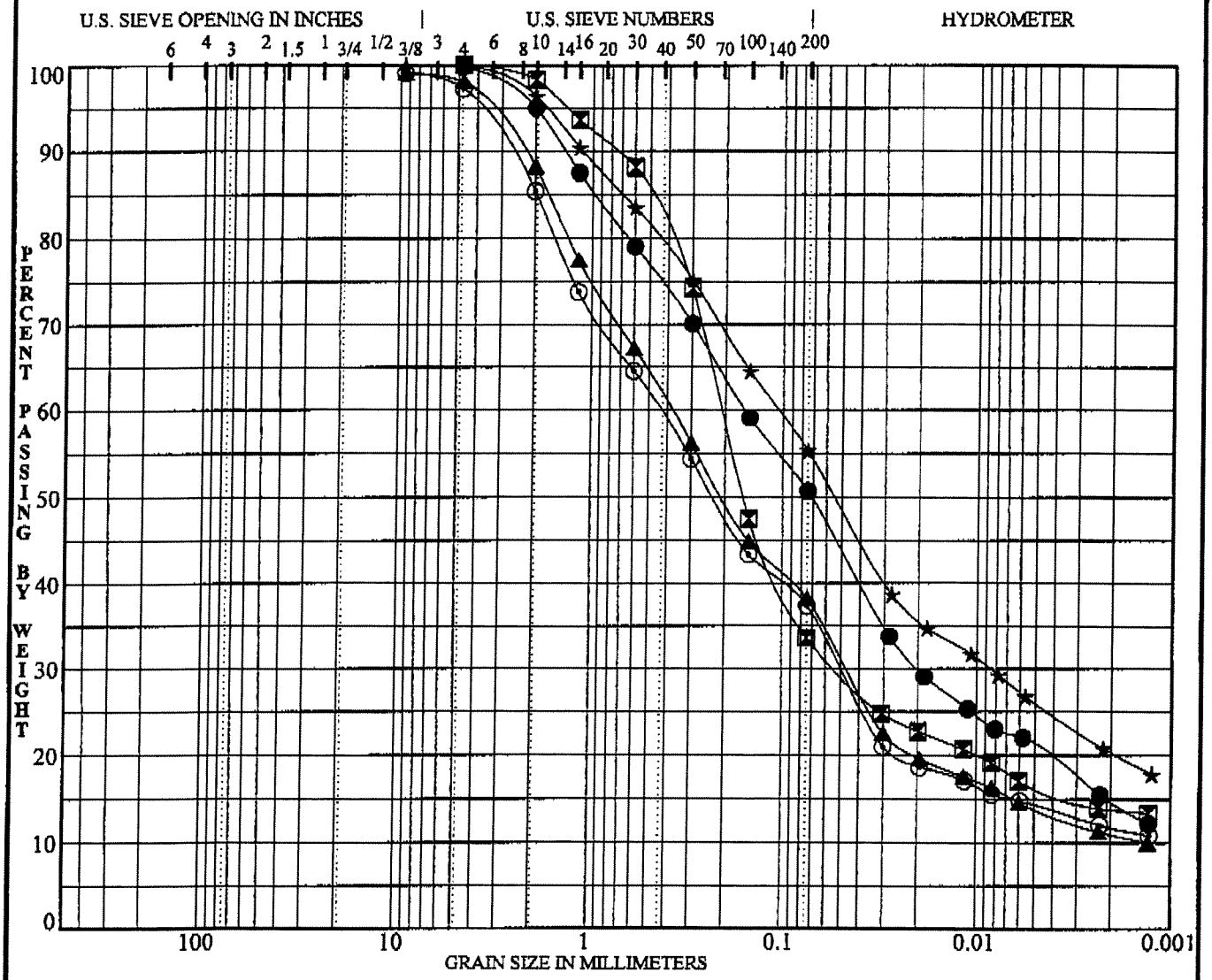
DATE OF REPORT: July 26, 2006

ATTENTION: Jeri Alexander
Fugro West, Oakland

Boring Number	Sample Depth	Sample Description	Dry Unit Weight (pcf) ASTM D2937	Moisture Content (%) ASTM D2216	Specific Gravity AASHTO T-100	Porosity (%)
B-13	15.5'	Orange brown sandy CLAY (CL-SC)	110.6	16.1	2.655	33.2
	25.5'	Lt. orange brown silty clayey SAND (SC)	114.8	16.6	2.666	30.9
	30.0'	Lt. brown silty clayey SAND (SC)	117.6	12.2	2.702	30.1
B-14	15.0'	Orange brown sandy CLAY (CL)	105.3	17.4	-	-
	30.0'	Brown silty clayey SAND (SC)	106.2	14.2	-	-

Sincerely,

Kin W. Yee
Laboratory Manager
Fugro West, Inc.



Cobbles	Gravel		Sand			Silt and Clay
	Coarse	Fine	Coarse	Medium	Fine	

Key Symbol	Boring No.	Depth (Feet)	% Passing No. 200 Sieve	% Passing No. 4 Sieve	Sample Description	USCS
●	B-13	15.5	51	100	Orange brown sandy CLAY	CL-SC
⊠	B-13	25.5	34	100	Light orange brown silty clayey SAND	SC
▲	B-13	30.0	38	98	Light brown silty clayey SAND	SC
★	B-14	15.0	55	100	Orange brown sandy CLAY	CL
⊙	B-14	30.0	37	97	Brown silty clayey SAND	SC

GRADATION_B 838.006 V012505.GPJ STD.GDT 7/26/06

FUGRO

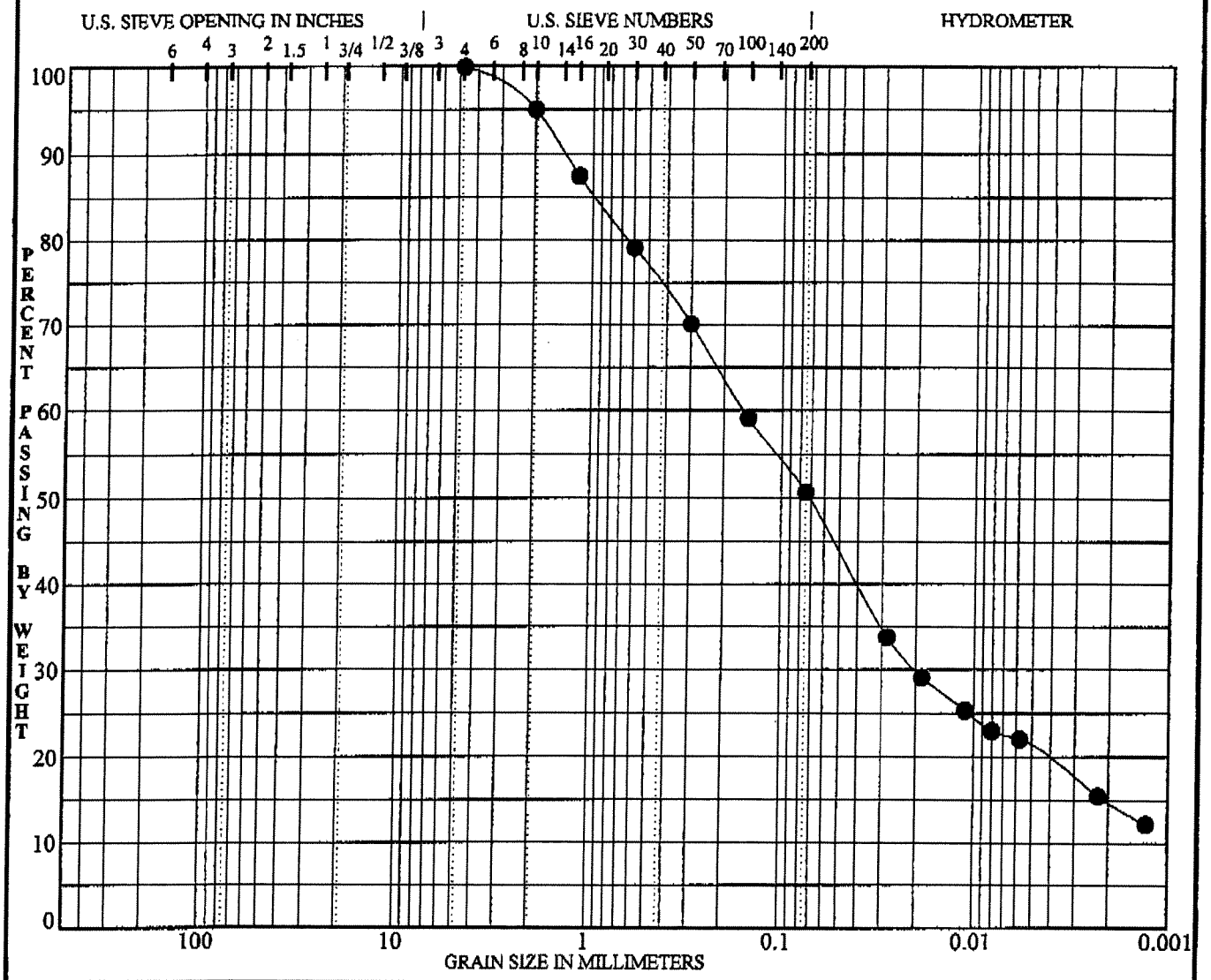
PREPD BY:
APPD BY:
DATE: 7/26/06
DWG FILE:

GRADATION TEST DATA

2801 MACARTHUR BLVD.
Oakland, California

FIGURE 1

PROJECT No. 838.006



Cobbles	Gravel		Sand			Silt and Clay
	Coarse	Fine	Coarse	Medium	Fine	

Key Symbol	Boring No.	Depth (Feet)	% Passing No. 200 Sieve	% Passing No. 4 Sieve	Sample Description	USCS
●	B-13	15.5	51	100	Orange brown sandy CLAY	CL-SC

GRADATION_B 838.006 VD12535.GPJ STD.GDT 7/26/06

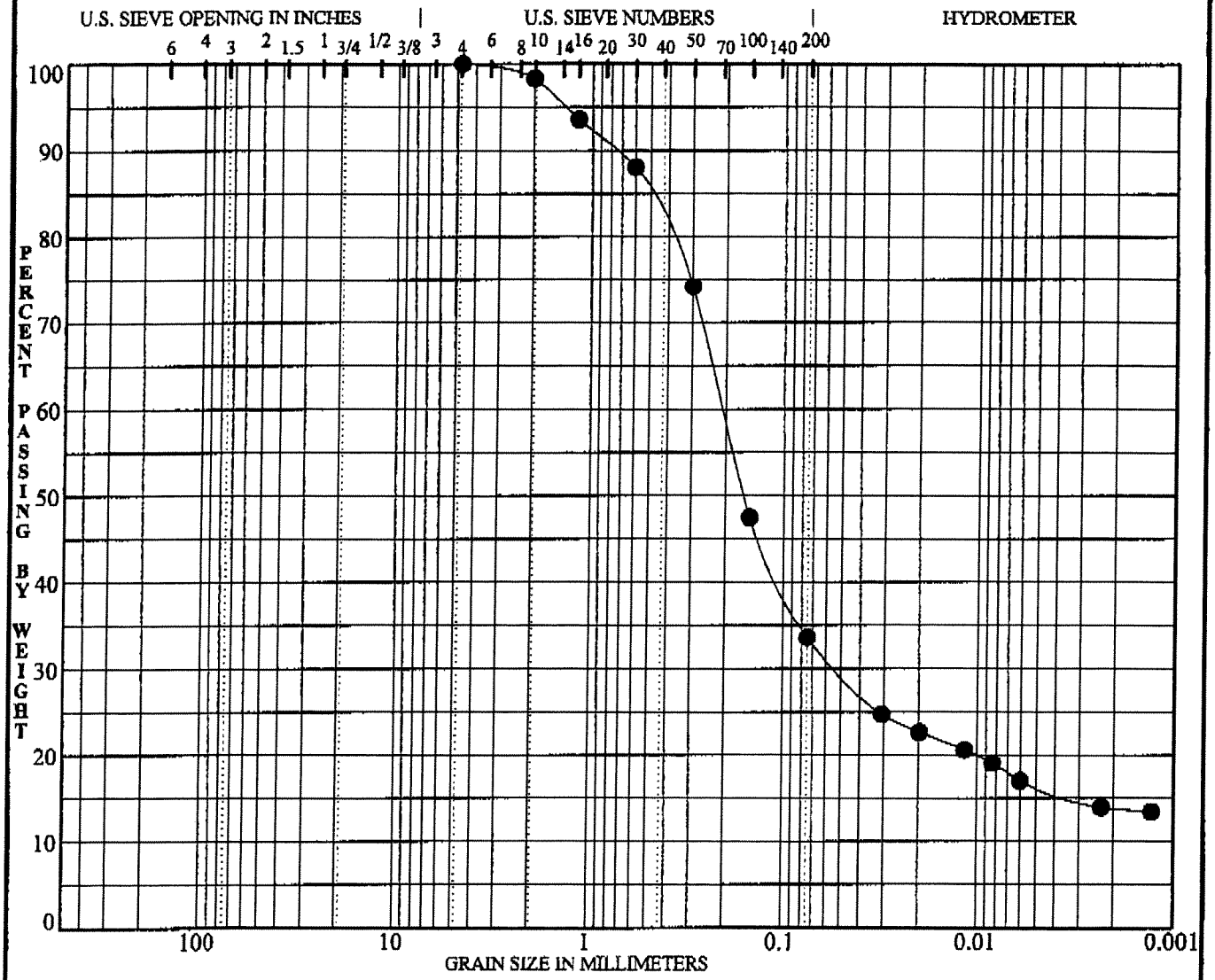
FUGRO

PREPD BY:
APPD BY:
DATE: 7/26/06
DWG FILE:

GRADATION TEST DATA

2801 MACARTHUR BLVD.
Oakland, California

FIGURE
2
PROJECT No.
838.006



Cobbles	Gravel		Sand			Silt and Clay
	Coarse	Fine	Coarse	Medium	Fine	

Key Symbol	Boring No.	Depth (Feet)	% Passing No. 200 Sieve	% Passing No. 4 Sieve	Sample Description	USCS
●	B-13	25.5	34	100	Light orange brown silty clayey SAND	SC

FUGRO

PREP'D BY:
APP'D BY:
DATE: 7/26/06
DWG FILE:

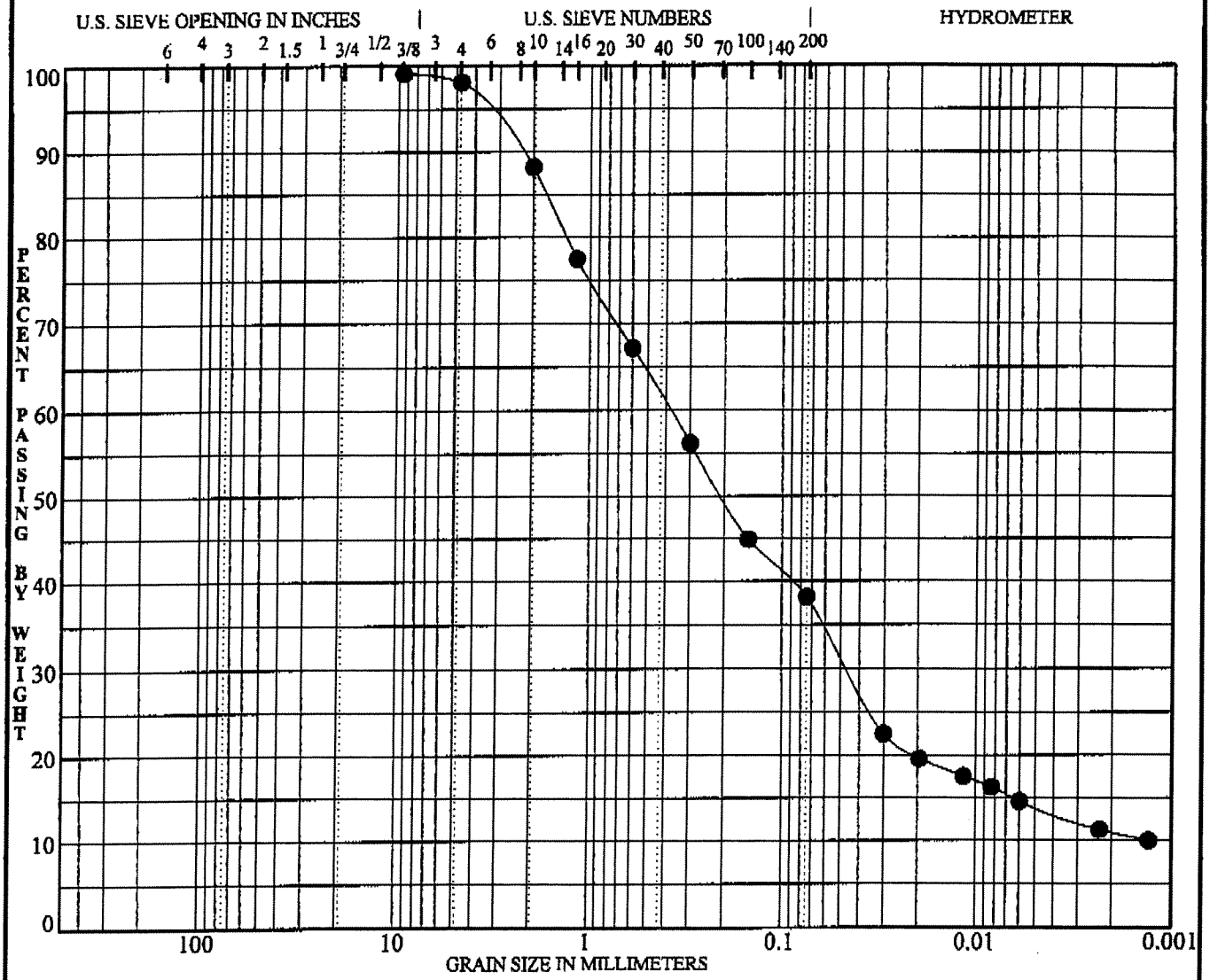
GRADATION TEST DATA

2801 MACARTHUR BLVD.
Oakland, California

FIGURE 3

PROJECT No. 838.006

GRADATION_B_838.006_V012505.GPJ STD.GDT 7/26/06



Cobbles	Gravel		Sand			Silt and Clay
	Coarse	Fine	Coarse	Medium	Fine	

Key Symbol	Boring No.	Depth (Feet)	% Passing No. 200 Sieve	% Passing No. 4 Sieve	Sample Description	USCS
●	B-13	30.0	38	98	Light brown silty clayey SAND	SC

GRADATION_B 838.006 V012505.GPJ STD.GDT 7/26/06

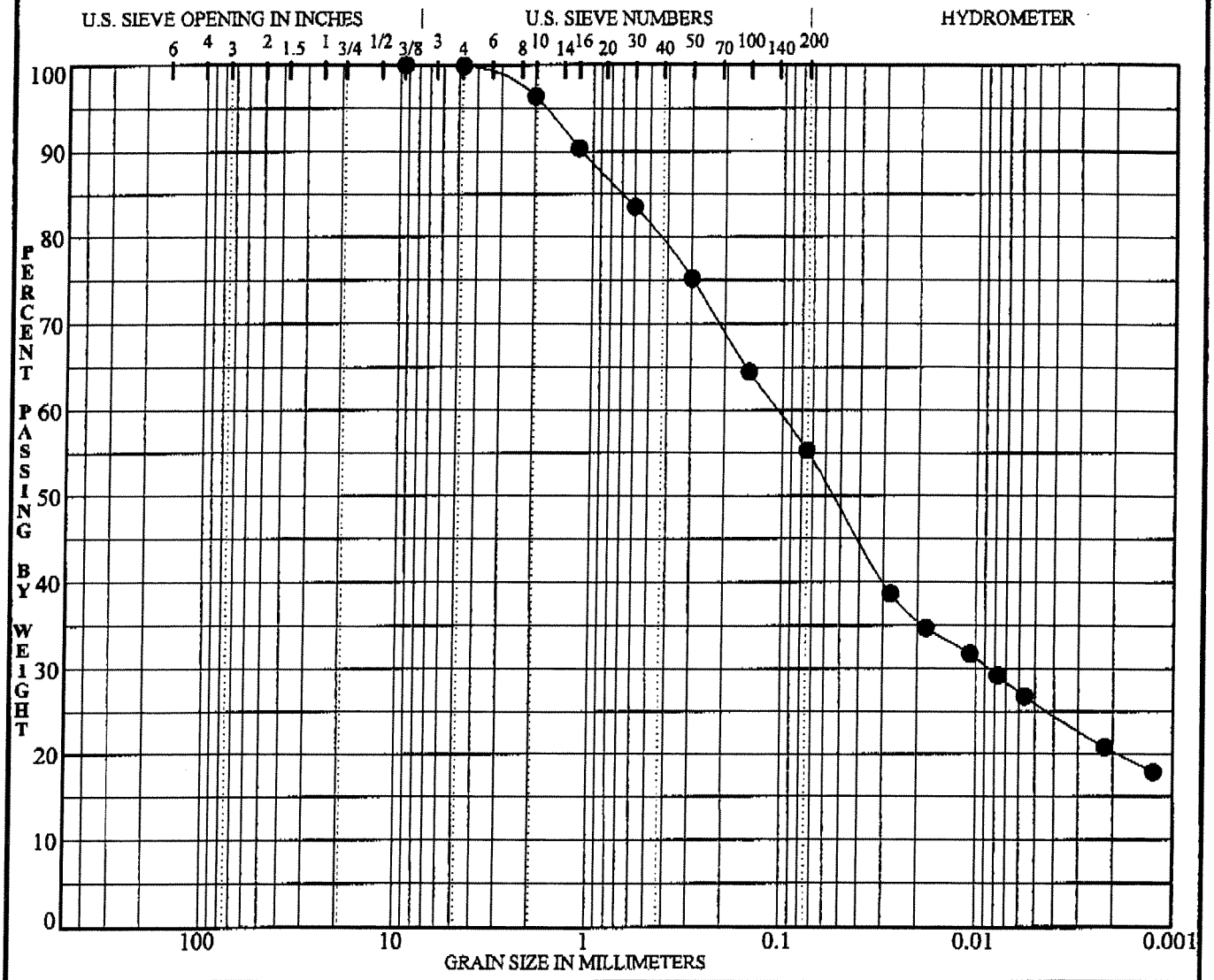
FUGRO

PREPD BY:
APPD BY:
DATE: 7/26/06
DWG FILE:

GRADATION TEST DATA

2801 MACARTHUR BLVD.
Oakland, California

FIGURE
4
PROJECT No.
838.006



Cobbles	Gravel		Sand			Silt and Clay
	Coarse	Fine	Coarse	Medium	Fine	

Key Symbol	Boring No.	Depth (Feet)	% Passing No. 200 Sieve	% Passing No. 4 Sieve	Sample Descsription	USCS
●	B-14	15.0	55	100	Orange brown sandy CLAY	CL

GRADATION B 838.006 V012505.GPJ STD.GDT 7/26/06

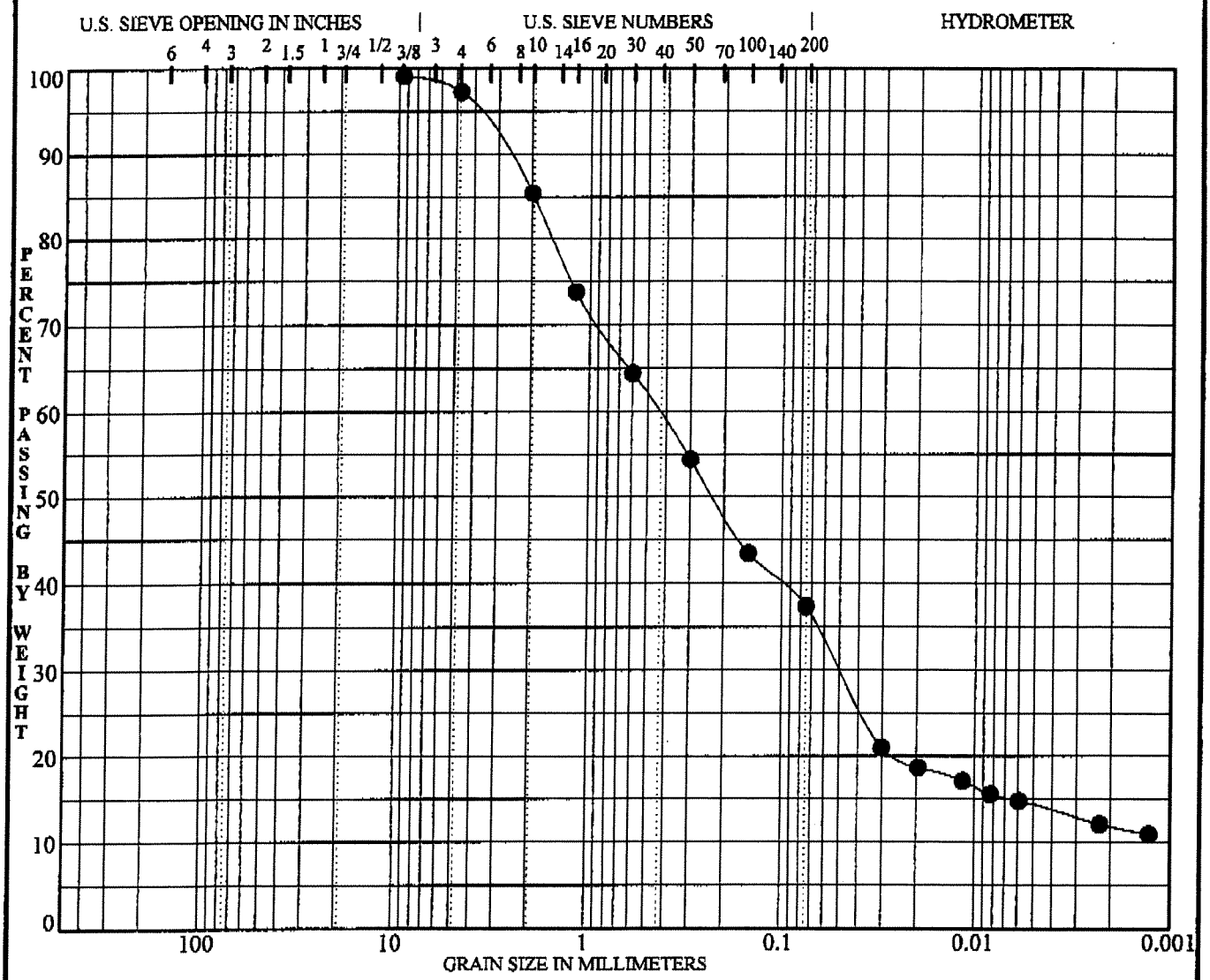
FUGRO

PREPD BY:
APPD BY:
DATE: 7/26/06
DWG FILE:

GRADATION TEST DATA

2801 MACARTHUR BLVD.
Oakland, California

FIGURE
5
PROJECT No.
838.006



Cobbles	Gravel		Sand			Silt and Clay
	Coarse	Fine	Coarse	Medium	Fine	

Key Symbol	Boring No.	Depth (Feet)	% Passing No. 200 Sieve	% Passing No. 4 Sieve	Sample Descsription	USCS
●	B-14	30.0	37	97	Brown silty clayey SAND	SC

GRADATION_B 836.006_V012505.GPJ STD.GDT 7/26/06

FUGRO

PREPD BY:
APPD BY:
DATE: 7/26/06
DWG FILE:

GRADATION TEST DATA

2801 MACARTHUR BLVD.
Oakland, California

FIGURE
6
PROJECT No.
836.006

APPENDIX D
FIELD FORMS

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

FUGRO

WELL SAMPLING FORM

PROJECT NAME: 2801 Macarthur Blvd
PROJECT NO.: 838.006
SAMPLED BY: M. Pleva
DATE: 6/21/06
WEATHER: Sunny, 98°

WELL NO.: P-1
WELL CASING DIAMETER: 2"
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 38.50 FEET

DEPTH TO GROUNDWATER (BTOC): 26.70 FEET

FEET OF WATER IN WELL: 11.18 FEET

CALCULATED PURGE VOLUME: 5.77 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

FREE PRODUCT: none

PURGE METHOD: bailer

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	Temp	pH	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
Downhole (Pre-Purge)	1526	21.95	6.34	1564	1.078	23.3	0.25	
2.0	1540	22.68	6.96	1590	1.093	20.78	1.64	Slight hydrocarbon odor
4.0	1558	22.10	7.14	1553	1.068	57.4	1.76	"
5.0 *	1605	21.97	7.10	1564	1.073	68.9	1.77	"

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 31.27 TIME SAMPLED:

SAMPLING METHOD bailer

CONTAINERS / PRESERVATIVE:

_____/_____ 40 ML

_____/_____ LITER

_____/_____ Poly

_____/_____ OTHER

ANALYSES: (Note if any samples are field filtered)

_____ TEHd, TEHmo (8015 w/ Silica gel)
_____ TVHg, BTEX, MTBE (8015/8020)
_____ VOCs (8260)
_____ HVOCs (8260)
_____ Title 22 Metals (6010/9000)
_____ Pesticides (8080)
_____ PCBs (8080)
_____ Sulfate (300.0)
_____ Nitrate (300.0)
_____ Fe $^{2+}$

MISC FIELD OBSERVATION: well plugged w/ hard clay @ 17.0 feet. used pvc to push through.

* PURGED DRY @ 5.0 gallons

WELL SAMPLING FORM

PROJECT NAME: 2801 Macarthur Blvd
PROJECT NO.: 838.006
SAMPLED BY:
DATE: 6/21/06
WEATHER: Bright sunny hot

WELL NO.: P-2
WELL CASING DIAMETER: 2"
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 42.35 FEET
DEPTH TO GROUNDWATER (BTOC): 22.65 FEET
FEET OF WATER IN WELL: 19.7 FEET

CALCULATED PURGE VOLUME: 9.6 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)
FREE PRODUCT: none
PURGE METHOD: bails

MEASUREMENT METHOD: (ELECTRONIC SOUNDER) or OTHER

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	Temp	pH	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
Downhole (Pre-Purge)	1638	20.67	9.20	466	0.330	213.0	0.00	
3.0	1646	21.56	9.39	479	0.330	107.0	0.80	hydrocarbon odor
6.0	1656	21.44	9.33	483	0.337	76.4	0.80	"
9.5	1706	21.28	9.06	511	0.350	29.5	0.85	"

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): ~~30.94 MP~~ 26.94 TIME SAMPLED: 0825

SAMPLING METHOD bailer

CONTAINERS / PRESERVATIVE: 6 / HCl (40 ML); 1 / None (LITER); / (Poly); / (OTHER)

ANALYSES: (Note if any samples are field filtered)

- _____ TEHd, TEHmo (8015 w/ Silica gel)
- _____ TVHg, BTEX, MTBE (8015/8020)
- _____ VOCs (8260)
- _____ HVOCs (8260)
- _____ Title 22 Metals (6010/9000)
- _____ Pesticides (8080)
- _____ PCBs (8080)
- _____ Sulfate (300.0)
- _____ Nitrate (300.0)
- _____ Fe $^{2+}$

MISC FIELD OBSERVATION:

WELL SAMPLING FORM

PROJECT NAME: 2801 Macarthur Blvd.
PROJECT NO.: 838.006
SAMPLED BY: Melissa Pena
DATE: 01/22/06
WEATHER: Sunny, 98°+

WELL NO.: M-1
WELL CASING DIAMETER: 2"
TOC ELEVATION: _____

TOTAL DEPTH OF CASING (BTOC): 45.0 FEET
DEPTH TO GROUNDWATER (BTOC): 25.56 FEET
FEET OF WATER IN WELL: 19.44 FEET

CALCULATED PURGE VOLUME: 9.57 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)
FREE PRODUCT: none
PURGE METHOD: bailer

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER _____

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	Temp	pH	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
Downhole (Pre-Purge)	1101	21.21	6.77	978	0.686	243.3	0.54	
3.0	1112	22.06	7.06	998	0.687	41.9	1.18	hydrocarbon odor, turbid
6.0	1121	22.42	7.14	1016	0.694	-31.0	1.10	"
9.5	1130	21.92	7.17	1033	0.713	-67.1	1.05	"

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 25.26 TIME SAMPLED: 1025

SAMPLING METHOD bailer

CONTAINERS / PRESERVATIVE:

4 / 40 ML	/ LITER
/ Poly	/ OTHER

ANALYSES: (Note if any samples are field filtered)

____	TEHd, TEHmo (8015 w/ Silica gel)	____	Pesticides (8080)
____	TVHg, BTEX, MTBE (8015/8020)	____	PCBs (8080)
____	VOCs (8260)	____	Sulfate (300.0)
____	HVOCs (8260)	____	Nitrate (300.0)
____	Title 22 Metals (6010/9000)	____	Fe^{2+}

MISC FIELD OBSERVATION: _____

WELL SAMPLING FORM

PROJECT NAME: 2801 Macarthur Blvd
PROJECT NO.: 838.016
SAMPLED BY: Obi Nzeri / Melissa Plevra
DATE: 6/21/06
WEATHER: Bright Sunny hot

WELL NO.: M-H
WELL CASING DIAMETER: 2"
TOC ELEVATION:

TOTAL DEPTH OF CASING (BTOC): 45.65 FEET

DEPTH TO GROUNDWATER (BTOC): 30.58 FEET

FEET OF WATER IN WELL: 15.07 FEET

CALCULATED PURGE VOLUME: 7.4 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

FREE PRODUCT: none

PURGE METHOD: bailer

MEASUREMENT METHOD: (ELECTRONIC SOUNDER) or OTHER _____

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	Temp	pH	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
Downhole (Pre-Purge)	1555	21.40	6.59	52H	0.304	H9.7	0.78	
3	1606	21.93	6.83	549	0.379	42.5	1.71	hydrocarbon odor
6	1612	21.80	7.12	564	0.391	-32.6	1.91	"
7.5	1616	21.64	7.00	603	0.419	-53.3	1.64	"

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 37.67 TIME SAMPLED: 6/22/06/1140

SAMPLING METHOD bailer

CONTAINERS / PRESERVATIVE:

6 / HCl — 40 ML

1 / ✓ — LITER

/ — Poly

/ — OTHER

ANALYSES: (Note if any samples are field filtered)

- _____ TEHd, TEHmo (8015 w/ Silica gel)
- _____ TVHg, BTEX, MTBE (8015/8020)
- _____ VOCs (8260)
- _____ HVOCs (8260)
- _____ Title 22 Metals (6010/9000)
- _____ Pesticides (8080)
- _____ PCBs (8080)
- _____ Sulfate (300.0)
- _____ Nitrate (300.0)
- _____ Fe $^{2+}$

MISC FIELD OBSERVATION: _____

FUGRO

WELL SAMPLING FORM

PROJECT NAME: 2801 Macarthur Blvd.
PROJECT NO.: 838.006
SAMPLED BY: Melissa Pena
DATE: 6/22/06
WEATHER: Sunny 98°

WELL NO.: MW-5
WELL CASING DIAMETER: 2-inch
TOC ELEVATION: _____

TOTAL DEPTH OF CASING (BTOC): 38.00 FEET
DEPTH TO GROUNDWATER (BTOC): 23.93 FEET
FEET OF WATER IN WELL: 14.07 FEET

CALCULATED PURGE VOLUME: 6.88 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)
FREE PRODUCT: none
PURGE METHOD: bailer

MEASUREMENT METHOD: ELECTRONIC SOUNDER or OTHER _____

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	Temp	pH	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
Downhole (Pre-Purge)	0855	20.46	6.73	645	0.459	140.1	0.46	
2.5	0905	20.79	6.80	587	0.415	200.3	1.01	no odor, cloudy
5.0	0911	20.88	6.80	603	0.425	203.7	1.16	"
7.0	0916	21.04	6.79	644	0.452	212.6	1.20	"

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): 24.95 TIME SAMPLED: 0915

SAMPLING METHOD bailer

CONTAINERS / PRESERVATIVE:

4 / 40 ML	/ LITER
/ Poly	/ OTHER

ANALYSES: (Note if any samples are field filtered)

_____ TEHd, TEHmo (8015 w/ Silica gel)	_____ Pesticides (8080)		
_____ TVHg, BTEX, MTBE (8015/8020)	_____ PCBs (8080)		
_____ VOCs (8260)	_____ Sulfate (300.0)		
_____ HVOCs (8260)	_____ Nitrate (300.0)		
_____ Title 22 Metals (6010/9000)	_____ Fe $^{2+}$		

MISC FIELD OBSERVATION: _____

WELL SAMPLING FORM

PROJECT NAME: 2801 Macarthur Blvd.
PROJECT NO.: 333-006
SAMPLED BY: Obi Dzewu / Melissa Plesa
DATE: 6/22/06
WEATHER: Bright Sunny Hot

WELL NO.: M-6
WELL CASING DIAMETER: 2"
TOC ELEVATION: _____

TOTAL DEPTH OF CASING (BTOC): 47.70 FEET

DEPTH TO GROUNDWATER (BTOC): 29.61 FEET

FEET OF WATER IN WELL: 18.09 FEET

CALCULATED PURGE VOLUME: 8.9 gallons
(feet of water * casing dia^2 * .0408 * # of Volumes)

FREE PRODUCT: None

PURGE METHOD: Disposeable bailer

MEASUREMENT METHOD: (ELECTRONIC SOUNDER) or OTHER _____

FIELD MEASUREMENTS

GALLONS REMOVED	TIME	Temp	pH	CONDUCTIVITY (µMHOS/CM)	TDS (g/L)	ORP (mV)	DO (mg/l)	COMMENTS (odor, color, ...)
Downhole (Pre-Purge)	1010	20.17	6.9	327	.233	284.3	0.24	
3	1020	20.61	7.03	325	0.230	~~329~~ 237.5	0.98	no odor, cloudy
6	1030	20.71	7.21	342	0.242	13.3	0.77	"
9	1040	20.83	7.23	360	0.254	8.0	0.79	"

ACTUAL DEPTH TO GROUNDWATER BEFORE SAMPLING (BTOC): ~~32.73~~ 32.73 TIME SAMPLED: 0945

SAMPLING METHOD bailer

CONTAINERS / PRESERVATIVE:

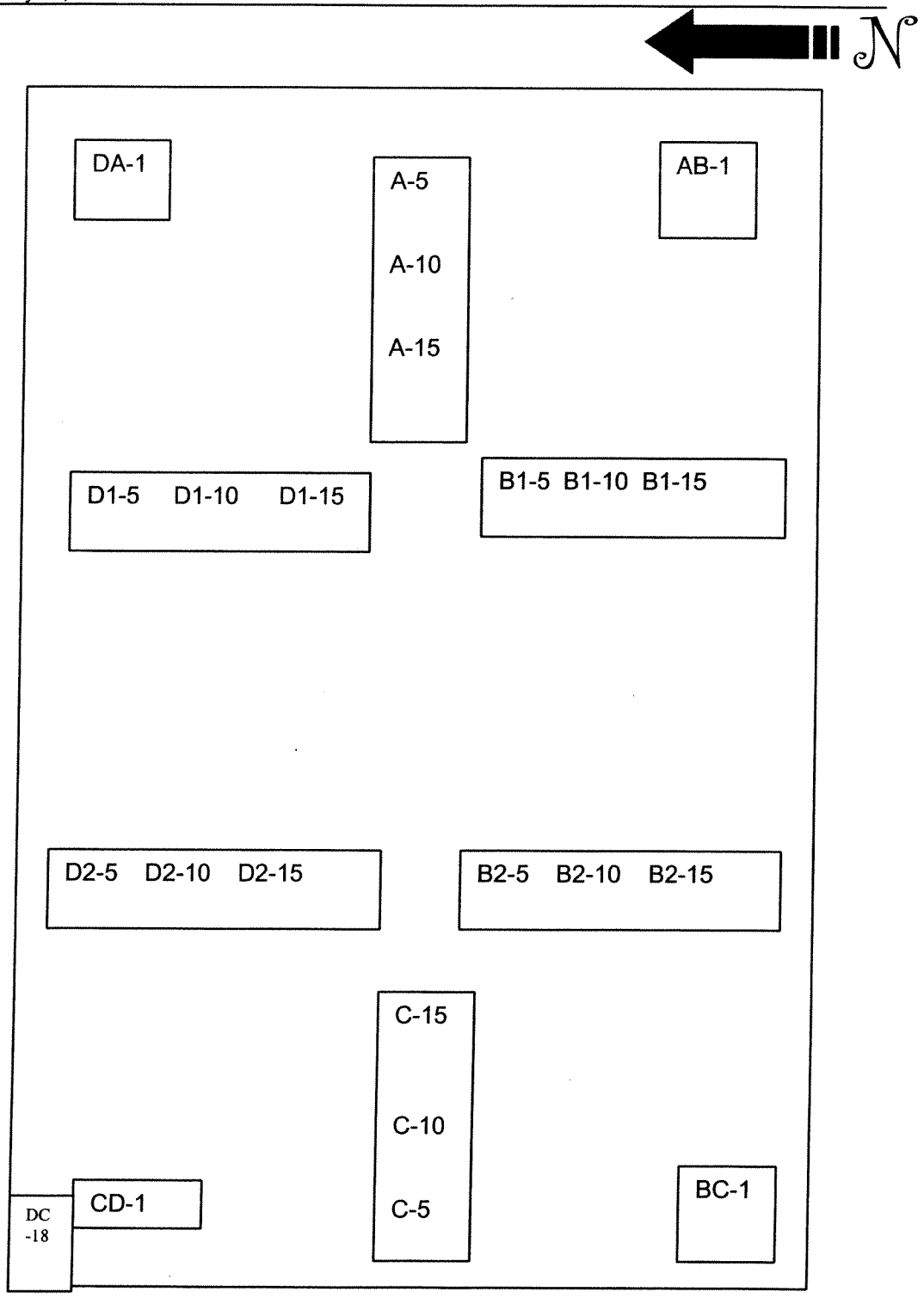
4 / 40 ML	/ LITER
/ Poly	/ OTHER

ANALYSES: (Note if any samples are field filtered)

- _____ TEHd, TEHmo (8015 w/ Silica gel)
- _____ TVHg, BTEX, MTBE (8015/8020)
- _____ VOCs (8260)
- _____ HVOCs (8260)
- _____ Title 22 Metals (6010/9000)
- _____ Pesticides (8080)
- _____ PCBs (8080)
- _____ Sulfate (300.0)
- _____ Nitrate (300.0)
- _____ Fe $^{2+}$

MISC FIELD OBSERVATION: _____

APPENDIX E
ADDITIONAL HISTORICAL DATA



not to scale

Figure 2
Soil Sampling Locations

Laboratory Analyses

The samples collected were analyzed by Curtis & Tompkins, Ltd. for:

- total petroleum hydrocarbons as gasoline (TPHg) using EPA Method 5030 (extraction), and the California Leaking Underground Fuel Tank Manual Method (EPA Method 8015 Modified) by gas chromatography/flame ionization detector (GC/FID);
- benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Methods 5030 (extraction) and 8021B (GC); and
- total lead using EPA Methods 3050 (extraction) and 6010B (atomic absorption spectroscopy)

from the following schedule:

Schedule of Sample Analyses
Petroleum-Affected Soil Removal and Disposition Project
A.P.A. Fund Site
Oakland, California

Sample Number	TPHg	BTEX	Total Lead
A-5		X	
A-10		X	
A-15		X	
B-1-5		X	
B-1-10		X	
B-1-15		X	
B-2-5		X	
B-2-10		X	
B-2-15		X	
C-5		X	
C-10		X	
C-15		X	
D-2-5		X	
D-2-10		X	
D-2-15		X	
D-1-5		X	
D-1-10		X	
D-1-15		X	
DA-1		X	
AB-1		X	
BC-1		X	
CD-1		X	
DC-18		X	
COMP1	X	X	X
COMP2	X	X	X

A summary of the analytical results follows: (laboratory analysis reports are included in Appendix A)

Summary of Laboratory Analytical Results for Soil Samples
Petroleum-Affected Soil Removal and Disposition Project
A.P.A. Fund Site
Oakland, California
(see Notes next page)

Sample Number	TPHg (mg/Kg)	BTEX (ug/Kg)	Total Lead (mg/Kg)
A-5		<4.6	
A-10		<5.1	
A-15		<5.2	
B-1-5		<5.2	
B-1-10		<4.9	
B-1-15		<5.2	
B-2-5		<5.3	
B-2-10		<5.3	
B-2-15		<4.9	
C-5		<5.2	
C-10		<5.3	
C-15		<5.0	
D-2-5		<4.9	
D-2-10		B: <5.3 T: <5.3 **E: 54 C** **m,pX: 23** **oX: 13 C**	
D-2-15		<4.8	
D-1-5		B: <5.1 T: <5.1 **E: 12 C** **m,pX: 11** **oX: 8.8**	
D-1-10		B: <25 **T: 260** E: <25 **m,pX: 3,800** **oX: 2,900**	
D-1-15		B: <5.1 **T: 25 C** **E: 61 C** **m,pX: 110** **oX: 73**	
DA-1		B: <5.4 **T: 15 C** **E: 200** **m,pX: 520** **oX: 190**	
AB-1		<4.8	
BC-1		<5.1	

Summary of Laboratory Analytical Results for Soil Samples (cont'd)
Petroleum-Affected Soil Removal and Disposition Project
A.P.A. Fund Site
Oakland, California

Sample Number	TPHg (mg/Kg)	BTEX (ug/Kg)	Total Lead (mg/Kg)
CD-1		**B: 99** **T: 450** **E: 240** **m,pX: 610** **oX: 370**	
DC-18		B: <5.2 T: <5.2 **E: 13 C** **m,pX: 10** **oX: 9.9 C**	
COMP1	**2.2**	<4.9	**3.9**
COMP2	**2.1**	B: <4.7 T: <4.7 E: <4.7 **m,pX: 7.2** **oX: 5.0**	**4.8**

Notes:

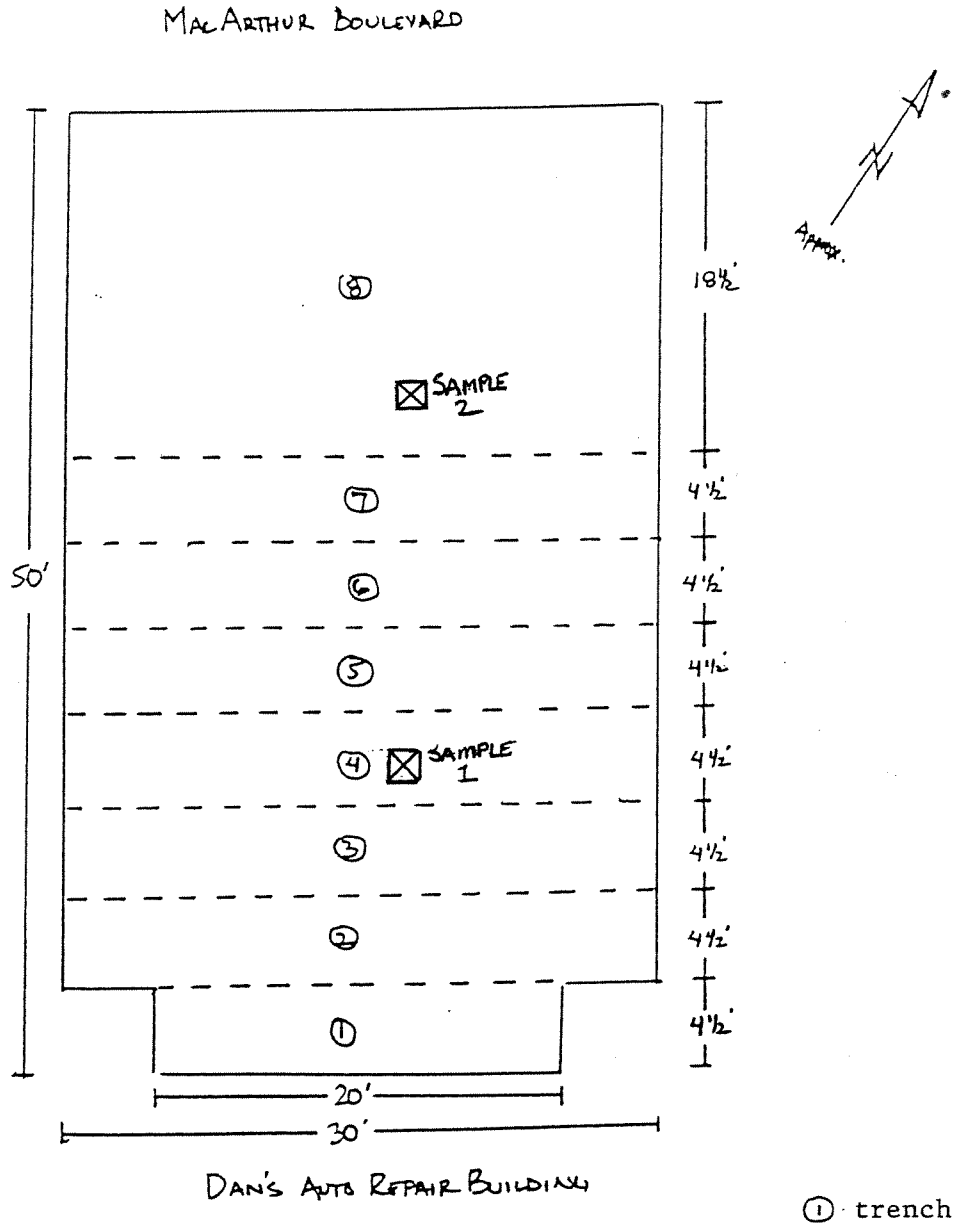
Detections shown in **Boldface**
mg/Kg: milligrams per kilogram
ug/Kg: micrograms per kilogram
BTEX: benzene, toluene, ethylbenzene, xylenes
m,pX: *meta*- and *para*-xylenes (isomers)
oX: *ortho*-xylene
C: laboratory assigned data qualifier, "presence confirmed but confirmation concentration differed by more than a factor of two."
<: not detected above following reporting limit

See laboratory analysis reports in Appendix A.

Well Destruction
Destruction of one existing shallow groundwater monitoring well onsite was performed by a licensed C-57 water well drilling contractor under a permit from Alameda County.

Loading, Transportation and Disposition of Soils
Soils removed were loaded and transported under non-hazardous waste manifest to the Newby Island Sanitary Landfill. The generator's copies of manifest numbers 93172 and 93172, and 93221 through 93271 for all of the soils loaded, transported and disposed of from the Site are included in Appendix B.

Non-CDS



NOTE: Trench 1 was located approximately 4' feet from the perimeter of the building.

-not to scale-

[Put Drawing No. and Plotting Information Here]

GEOMATRIX

SITE PLAN
2801 MacArthur Boulevard
Oakland, California

Project No.
7633.000

Figure
1

	Sample 1	Sample 2
Location (See Figure 1)	Trench 4, 15 feet below grade	Trench 8, 15 feet below grade
Compounds		
Benzene	Non Detect (ND)	ND
Toluene	ND	ND
Ethyl benzene	ND	ND
Xylene	0.78 mg/Kg	ND

The only compound detected was xylene(s) at a concentration of 0.78 mg/Kg in sample 2.

We appreciate the opportunity to provide A.P.A. Fund Ltd. with our professional consulting services. If you have any questions, please contact me at (510) 663-4100.

Sincerely yours,
GEOMATRIX CONSULTANTS, INC.

Mark Freitas

Mark Freitas, P.E.
Principal Engineer

MF/KSK/
I:\Project\7000s\7633\environmental letter.doc

Attachments: Figure 1 Site Plan
Attachment 1 Laboratory Analytical Reports and Chain of Custodies

APPENDIX F
AGENCY LETTERS

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

March 31, 2006

Nicholas Molnar
440 Grand Ave., Suite 320
Oakland, CA 94610

Raymond & Grace Yu
c/o Alpha TV
2819 MacArthur Blvd.
Oakland, CA 94602

Dear Mr. Molnar, Mr. & Mrs. Yu:

Subject: Fuel Leak Case No. RO0000001, Dan's Auto Repair, 2801 MacArthur Blvd., Oakland, CA 94602

Alameda County Environmental Health (ACEH) staff reviewed "Work Plan Additional Site Study..." dated October 11, 2005 prepared by . We approve of the Work Plan with the condition that the technical comment is adhered to. We request that you address the following technical comment, perform the proposed work, and send us the technical reports requested below.

TECHNICAL COMMENTS

1) Boring Soil Sampling – Soil samples shall be collected at changes of lithology, at the soil/groundwater interface, and at areas of obvious contamination. Please modify your proposal for boring soil sampling.

TECHNICAL REPORT REQUEST

Please submit the following technical reports to Alameda County Environmental Health (Attention: Don Hwang). according to the following schedule:

May 31, 2006 – Soil and Water Investigation Report

If you ~~have any~~ questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist
Local Oversight Program

C: Aniko Molnar, 7 Morningsun Ave., Mill Valley, CA 94941
Donna Drogos
File

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

July 28, 2005

Nicholas Molnar
440 Grand Ave., Suite 320
Oakland, CA 94610

Raymond Yu
4098 Laguna Ave.
Oakland, CA 94602

Dear Messrs. Molnar and Yu:

Subject: Fuel Leak Case No. RO0000001, Dan's Auto Repair, 2801 MacArthur Blvd., Oakland, CA 94602

Alameda County Environmental Health (ACEH) staff reviewed "Groundwater Monitoring Event – March 2003" dated June 30, 2004 prepared by Aniko Molnar and determined it to be unacceptable and not ready for submittal. We do not agree that the site is ready for closure. We request that you address the following comments and send us the technical reports requested below.

TECHNICAL COMMENTS

1) Professional Certification & Conclusions/Recommendations - The report has not been submitted as a valid technical report. Please note the California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure that all future technical reports submitted for this fuel leak case meet these requirements.

2) Lack of Verification Groundwater Sampling in the Source area – After the excavation and removal of petroleum and benzene affected soils on November 13, 2000, no groundwater samples have been collected from the source area. Additionally, monitoring wells M-1 and M-2, both located just outside the excavation pit, have been paved over. Also, we were told that piezometer P-3, located adjacent to one of the former pump islands, was decommissioned. However, our file does not have any such documentation. M-2 and P-3 have not been sampled since December 9, 1999 and M-1

has never been sampled. On December 9, 1999, 11,000 ug/l TVH (g) and 560 ug/l Benzene were detected in M2, and 3,700 ug/l Benzene, was detected in P-3. The source areas have not been evaluated since remediation. We request that you propose sampling, which will be representative of conditions in the source areas in the Work Plan requested below.

3) Monitoring Wells M-1, M-2, and piezometer P-3 must be located – Unless these wells are used, they must be properly destroyed.

4) Increasing Groundwater Concentrations – During the most recent monitoring event, March 25, 2003, concentrations of TVH (g) increased to 54,000 ug/l from 32,000 ug/l the previous monitoring event on December 9, 1999 for sample location P-2. Also, on March 25, 2003, concentrations of TVH (g) increased to 6,200 ug/l from 1,500 ug/l on December 9, 1999 for sample location M-4. Thus, please continue groundwater monitoring.

5) Historical Hydraulic Gradients – Please show using a rose diagram with magnitude and direction; include cumulative groundwater gradients in all future reports submitted for this site. This information will be used to assess whether groundwater contamination has been adequately delineated downgradient of the source areas.

6) Contaminated Groundwater Plume between P-2 and M-4 - Please propose additional groundwater sampling locations, which will determine if M-5 and M-6 are properly situated to intercept the plume. Please submit with the Work Plan requested below.

7) Submerged Monitoring Well Screens for P-2, P-3, M-1, M-2, M-3, M-4, M-6 – During a major portion of the sampling events, the depth to groundwater has been above the top of the monitoring well screens. Please evaluate the effect of groundwater elevations rising above well screens on hydrocarbon concentrations and propose recommendations to augment or validate the groundwater concentrations obtained. Include, with your analysis, hydrographs for each monitoring well with groundwater elevation vs. time and plot TPH-G and benzene, and also indicate the top of screen elevations. Please submit with the Work Plan requested below.

OTHER COMMENTS

8) Landowner Notification Requirement -
Pursuant to California Health & Safety Code Section 25297.15, the active or primary responsible party for a fuel leak case must inform all current property owners of the site of cleanup actions or requests for closure. Furthermore, ACEH may not consider any cleanup proposals or requests for case closure without assurance that this notification requirement has been met. Additionally, the active or primary responsible party is required to forward to ACEH a complete mailing list of all record fee titleholders to the site.

At this time we require that you submit a complete mailing list of all record fee title owners of the site, which states, at a minimum, the following:

A. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site:

- OR -

B. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that I am the sole landowner for the above site.

(Note: Complete item A if there are multiple site landowners. If you are the sole site landowner, skip item A and complete item B.)

In the future, for you to meet these requirements when submitting cleanup proposals or requests for case closure, ACEH requires that you:

1. Notify all current record owners of fee title to the site of any cleanup proposals or requests for case closure;
2. Submit a letter to ACEH which certifies that the notification requirement in 25297.15(a) of the Health and Safety Code has been met;
3. Forward to ACEH a copy of your complete mailing list of all record fee title holders to the site; and
4. Update your mailing list of all record fee titleholders, and repeat the process outlined above prior to submittal of any additional *Corrective Action Plan* or your *Request for Case Closure.*

Your written certification to ACEH (Item 2 above) must state, at a minimum, the following:

A. In accordance with Section 25297.15(a) of the Health & Safety Code, I, (name of primary responsible party), certify that I have notified all responsible landowners of the enclosed proposed action. (Check space for applicable proposed action(s)):
___ cleanup proposal (Corrective Action Plan)
___ request for case closure
___ local agency intention to make a determination that no further action is required
___ local agency intention to issue a closure letter

- OR -

B. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that I am the sole landowner for the above site.

(Note: Complete item A if there are multiple site landowners. If you are the sole site landowner, skip item A and complete item B.)

TECHNICAL REPORT REQUEST

Please submit the following technical reports to Alameda County Environmental Health (Attention: Don Hwang), according to the following schedule:

September 28, 2005 – Work plan

OTHER REQUEST

September 28, 2005 – List of record fee titleholders

If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang
Hazardous Materials Specialist
Local Oversight Program

C: Aniko Molnar, 7 Morningsun Ave., Mill Valley, CA 94941
Donna Drogos
File

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

December 22, 2004

Nicholas Molnar
c/o Aniko Molnar
775 E Blithedale Ave #325
Mill Valley, CA 94941

Raymond Yue
4098 Laguna Ave.
Oakland, CA 94602

Dear Messrs. Molnar and Yue:

Subject: Fuel Leak Case No. RO0000001, Dan's Auto Repair, 2801 MacArthur Blvd., Oakland, CA 94602

Alameda County Environmental Health (ACEH) staff reviewed "Groundwater Monitoring Event – March 2003" dated June 30, 2004 prepared by Aniko Molnar. The sampling in March 2003 included Wells M-3, M-4, M-5, M-6, and piezometer P-2. Wells M-1, M-2, and piezometer P-3 were inaccessible, as they have been paved over. We do not agree that the site is ready for closure. We request that you address the following comments and send us the technical reports requested below.

TECHNICAL COMMENTS

1) Professional Certification –
The California Business and Professions Code (Sections 6735, 6835, and 7835.1) require that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

A review of our case file indicates that none of your consultant's (Aniko Molnar) reports are stamped by the licensed professional. Please note the California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or

certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. We request that you submit the required professional certifications for the reports by Aniko Molnar. Please ensure that all future technical reports submitted for this fuel leak case meet these requirements.

2) Groundwater Contamination – Up to 54,000 ug/l TVH (g) (Total volatile hydrocarbons in the gasoline range C7-C12), 1,900 ug/l Benzene, 3,000 ug/l Toluene, 1,200 ug/l Ethylbenzene, and 7,100 ug/l Xylenes, were detected during sampling in March 2003. No groundwater cleanup levels have been proposed. Please propose groundwater cleanup levels in the Work Plan requested below.

3) Groundwater Monitoring needs to be reinstituted – The groundwater contaminant concentrations noted above and historical groundwater analytical results indicates that an ongoing monitoring program is necessary. Please propose a groundwater monitoring program in the Work Plan requested below.

4) Groundwater Monitoring Well Locations – Monitoring wells exhibiting higher contaminant concentrations previously, were not sampled recently. M2, which was located close to and downgradient of the former underground gasoline tanks, and P-3, which was adjacent to one of the former pump islands, were omitted. On December 9, 1999, 11,000 ug/l TVH (g) and 560 ug/l Benzene were detected in M2, and 3,700 ug/l Benzene, was detected in P-3. Please propose sampling locations, which will be representative of conditions at the site and include areas where higher contaminant concentrations were found previously in the Work Plan requested below.

5) Historical Hydraulic Gradients – Please show using a rose diagram with magnitude and direction; include cumulative groundwater gradients in all future reports submitted for this site.

6) Preferential Pathway Survey – We request that you perform a preferential pathway study that details the potential migration pathways and potential conduits (wells, utilities, pipelines, etc.) for horizontal and vertical migration that may be present in the vicinity of the site.

a) Utility Survey - Please submit map(s) and cross-sections showing the location and depth of all utility lines and trenches (including sewers, storm drains, pipelines, trench backfill, etc.) within and near the site and plume area(s). Evaluate the probability of the contaminant plumes encountering preferential pathways and conduits that could spread the contamination, particularly in the vertical direction to deeper water aquifers. Please submit with the Work Plan requested below.
b) Well Survey – Locate wells within a quarter mile radius of the site. Show the location of the wells and the site on a map and tabulate well construction details for each well. Please submit with the Work Plan requested below.

7) Submerged Monitoring Well Screens for P-2, P-3, M-1, M-2, M-3, M-4, M-6 – During a major portion of the sampling events, the depth to groundwater has been above the top of the monitoring well screens. Please evaluate the effect of groundwater elevations rising above well screens on hydrocarbon concentrations and propose recommendations to augment or validate the groundwater concentrations obtained. Include, with your analysis, hydrographs for each monitoring well with groundwater elevation vs. time and plot TPH-G and benzene, and also indicate the top of screen elevations. Please submit with the Work Plan requested below.

8) Monitoring Well Screen Length - The monitoring well screen lengths are all 10 feet or greater. We request that your monitoring network be depth discrete, generally, screened intervals of 3 to 5 feet in length.

OTHER COMMENTS

9) Landowner Notification Requirement -
Pursuant to California Health & Safety Code Section 25297.15, the active or primary responsible party for a fuel leak case must inform all current property owners of the site of cleanup actions or requests for closure. Furthermore, ACEH may not consider any cleanup proposals or requests for case closure without assurance that this notification requirement has been met. Additionally, the active or primary responsible party is required to forward to ACEH a complete mailing list of all record fee titleholders to the site.

At this time we require that you submit a complete mailing list of all record fee title owners of the site, which states, at a minimum, the following:

> *A. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site:*
>
> *- OR -*
>
> *B. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that I am the sole landowner for the above site.*
>
> *(Note: Complete item A if there are multiple site landowners. If you are the sole site landowner, skip item A and complete item B.)*

In the future, for you to meet these requirements when submitting cleanup proposals or requests for case closure, ACEH requires that you:

1. Notify all current record owners of fee title to the site of any cleanup proposals or requests for case closure;
2. Submit a letter to ACEH which certifies that the notification requirement in 25297.15(a) of the Health and Safety Code has been met;
3. Forward to ACEH a copy of your complete mailing list of all record fee title holders to the site; and
4. Update your mailing list of all record fee titleholders, and repeat the process outlined above prior to submittal of any additional *Corrective Action Plan* or your *Request for Case Closure.*

Your written certification to ACEH (Item 2 above) must state, at a minimum, the following:

A. In accordance with Section 25297.15(a) of the Health & Safety Code, I, (name of primary responsible party), certify that I have notified all responsible landowners of the enclosed proposed action. (Check space for applicable proposed action(s)):
___ cleanup proposal (Corrective Action Plan)
___ request for case closure
___ local agency intention to make a determination that no further action is required
___ local agency intention to issue a closure letter

- OR -

B. In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I, (name of primary responsible party), certify that I am the sole landowner for the above site.

(Note: Complete item A if there are multiple site landowners. If you are the sole site landowner, skip item A and complete item B.)

TECHNICAL REPORT REQUEST

Please submit the following technical reports to Alameda County Environmental Health (Attention: Don Hwang), according to the following schedule:

February 22, 2004 – Work plan
February 22, 2004 - Professional Certification, Historical hydraulic gradients, Utility Survey, Well Survey, Submerged Monitoring Well Screens Evaluation

OTHER REQUEST

February 22, 2004 – List of record fee titleholders

If you have any questions, please call me at (510) 567-6746.

Sincerely,

-Don Hwang

Hazardous Materials Specialist
Local Oversight Program

C: Aniko Molnar, 7 Morning Sun Ave., Mill Valley, CA 94941
Donna Drogos
File