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February 27, 2009

Mr. Paresh Khatri
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Fourth Quarter 2008 Groundwater Monitoring Report
Former AutoPro
5200 Telegraph Avenue
Oakland, California

Case Number RO0000323
Geotracker Global ID T0600100131
PSI Project No. 575-8G012

Dear Mr. Kharti:

Tri Star Partnership is pleased to submit the subject Quarterly Groundwater Monitoring Report for the subject site. Please refer to the attached report for details.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached Groundwater Monitoring Report are true and correct to the best of my knowledge, without independently investigating or verifying the information contained therein.

If you have any questions regarding this report or any aspect of the project, please call Mr. Frank Poss with PSI at 510-434-9200.

Sincerely,



George Tuma
General Partner
Tri Star Partnership

cc: Mr. Frank Poss, PSI

**FOURTH QUARTER 2008
GROUNDWATER MONITORING REPORT**

**TEST ONLY SMOG STATION
(FORMER AUTOPRO)
5200 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA**

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GROUNDWATER MONITORING REPORT**

**TEST ONLY SMOG STATION
(FORMER AUTOPRO)
5200 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA**

prepared for

Tri Star Partnership
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February 27, 2009
575-8G012

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STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

The information provided in this Groundwater Monitoring Report prepared by PSI, Project Number 575-8G012, is intended exclusively for Tri Star Partnership for the evaluation of groundwater contamination as it pertains to the subject site in Oakland, California at the time the activities were conducted. The professional services provided have been performed in accordance with practices generally accepted by other environmental professionals, geologists, hydrologists, hydrogeologists, engineers, and environmental scientists practicing in this field. No other warranty, either expressed or implied, is made. As with all subsurface soil and groundwater sampling, there is no guarantee that the work conducted has identified any and all sources or locations of petroleum hydrocarbons or hazardous substances or chemicals in the soil or groundwater.

This report is issued with the understanding that Tri Star Partnership is responsible for ensuring that the information contained in this report is brought to the attention of the appropriate regulatory agency. This report has been reviewed by a geologist who is registered in the State of California and whose signature and license number appear below.

Professional Service Industries, Inc.



Frank R. Poss
Principal Consultant


Brand Burfield, PG 6986
Project Geologist

1.0 INTRODUCTION

The Subject Property is an approximately 9,100 square foot, triangular-shaped parcel located at 5200 Telegraph Avenue, on northeastern corner of Telegraph Avenue and Claremont Avenue in Oakland, Alameda County, California (see Figure 1 – Site Location Map). The site is currently asphalt-paved and is a smog testing facility (“Test Only SMOG Station”) but was formerly an auto repair facility (“Autopro Inc.”) and a Shell gasoline service station. The subject site includes five former Underground Storage Tanks (USTs) located in three separate excavation areas. The three excavations include an approximately 140 square-foot former waste oil UST excavation on the northeastern portion of the property, a 750 square-foot excavation containing three former gasoline or diesel USTs near the center of the property, and a 450 square-foot gasoline UST (and associated piping) excavation on the southern portion of the property. Locations of the existing site improvements and the former UST excavations are depicted on Figure 2 – Groundwater Elevation Map.

This report summarizes the Fourth Quarter 2008 groundwater monitoring activities conducted in December 2008 at the former UST site. The purpose of this project is to monitor petroleum hydrocarbon concentrations in groundwater to comply with the quarterly sampling requirements of the Alameda County Environmental Health Services (ACEH).

2.0 SITE BACKGROUND

Previous reports and investigations have been completed at the former UST site at 5200 Telegraph Avenue, Oakland, California, while the site was operated as Autopro, an automotive repair facility. The site is currently under the regulatory oversight of the ACEH and is identified by County Fuel Leak Case Number RO0000323 and State Geotracker Global ID T0600100131.

2.1 HISTORICAL SITE USE

The property is currently developed with an active automotive smog testing station. According to regulatory documents reviewed, the Subject Property has been developed as an automotive service station since at least 1973. Information obtained at the Alameda County Department of Environmental Health indicates that the Subject Property was developed as a Shell gasoline service station until 1978 and has operated as an automotive service or smog testing station until the present.

The following table summarizes the historic use of the Subject Property.

Summary	
Year(s)	Interpreted Property Use
1973, 1978	According to Street Directories the subject property is listed as Jordan Shell Service Station.
1984, 1989, 1990, 1994	According to Street Directories the subject property is listed as Auto Pro Inc 2. In December 1990, five underground storage tanks (USTs) were removed from the site.
1999, 2003	According to Street Directories the subject property is listed as Auto Pro Inc.
2008	The subject property is Test Only SMOG Station.

2.2 PREVIOUS ENVIRONMENTAL SITE ACTIVITIES

This section summarizes the findings and conclusions of select previous environmental investigations and other pertinent documents (see references; Section 5) made available to PSI.

2.2.1 Underground Storage Tank Removal - 1990

Five USTs were removed from three different excavations at the subject site in December 1990 by Pacific Excavators (Pacific, 1991). Soil and groundwater samples collected from the UST fuel excavations contained levels of total petroleum hydrocarbons as gasoline (TPH-G), total petroleum hydrocarbons as diesel (TPH-D), benzene, toluene, ethylbenzene, total xylenes (BTEX), and total lead. In addition soil samples collected from the waste oil tank excavation contained concentrations of oil and grease (O&G). In addition, in 1991 soil was sampled and a small amount of contaminated soil was excavated and removed from the site (ESE, 1994).

2.2.2 Limited Soil and Groundwater Investigation - 1993

In April 1993, Environmental Science & Engineering Inc. (ESE) conducted a limited soil and groundwater investigation at the site. Two soil borings were drilled in the area of two former UST excavations through the backfill into native material, with soil and groundwater samples collected from the borings. Results of the investigation indicated concentrations of total semi-volatile petroleum hydrocarbons (TSVPH); these hydrocarbons were reported not to consist of diesel or gasoline (ESE, 1993).

2.2.3 Preliminary Site Assessment and Groundwater Monitoring - 1994

ESE conducted a preliminary site assessment (PSA) of the property in April 1994. The investigation consisted of drilling four soil borings, installation of four monitoring wells (MW-1 through MW-4), and collection of soil and groundwater samples. According to the

investigation, soil beneath the site consisted of silty clay to between approximately 10 and 13 feet below ground surface (bgs) and groundwater was found to be approximately 11 to 13 feet bgs. Soil and groundwater samples collected during the investigation were found to contain petroleum hydrocarbons (ESE, 1994).

According to the Second Quarter 1994 Groundwater Monitoring Report, groundwater flow direction at the site is bimodal and flows both to the southwest and east, dependant upon the location at the site. According to ESE this may have been a result of the high permeability of the backfill material in the former UST excavations. The data presented in the Second Quarter 1994 monitoring report indicated that petroleum hydrocarbons are migrating off-site to the southwest and concluded that the existing monitoring well network is not sufficient to determine the extent off-site migration (ESE, 1994).

2.2.4 Site Assessment and Groundwater Monitoring - 1996

ESE conducted an additional soil and water investigation (in addition to quarterly groundwater sampling) to determine the on and off-site extent of the soil and groundwater contamination. The 1996 study included seven geoprobe soil borings which were drilled and sampled; a total of 14 soil and seven groundwater samples were collected during the investigation. A concentration of 1.5 mg/kg TPH-G was detected in the sample collected from boring AP-2 at 10 feet. The remaining soil samples were non-detect for all constituents of concern. TPH-D was detected at concentrations ranging from 190 and 74,000 µg/l in groundwater samples from AP-1, AP-2, AP-3, and AP-6. TPH-G was detected at concentrations ranging between 1,400 and 14,000 µg/l in groundwater samples from AP-1, AP-2 and AP-3. TPH-MO was detected at a concentration of 1,900 µg/l in the groundwater sample from AP-6. In addition BTEX constituents were detected in groundwater samples from AP-1, AP-2, and AP-3. MTBE was detected at concentrations of 60 µg/l and 100 µg/l in groundwater samples from AP-2 and AP-3 (ESE, 1996).

Second Quarter 1996 groundwater monitoring activities at the site included sampling of monitoring wells MW-1 through MW-4. TPH-G and TPH-D were detected in MW-1, MW-3, and MW-4. BTEX constituents and MTBE were detected in MW-3 and MW-4 (ESE, 1996).

2.2.5 Remediation and Site Closure Report - 1999

In 1998, with approval from the ACEH, it was determined that oxygen release compounds (ORCs) would be introduced into MW-3 and MW-4 to enhance the biodegradation of the contaminant plume at the site. ORCs were placed in MW-3 and MW-4 on March 23, 1998 by QST Environmental (QST). This resulted in a slight increase of BTEX and TPH immediately after the installation of the ORCs. According to QST, the increase in hydrocarbons may have been a result of the increase in the groundwater table elevation; the increased elevation may have caused a mobilization of additional petroleum hydrocarbon constituents from the capillary fringe thus increasing

concentrations. Constituents have declined or stabilized since the removal of the ORCs, and as such, QST determined that constituent reduction and degradation was enhanced by the ORC (QST, 1999).

QST conducted a risk assessment as part of their site closure report. The evaluation focused on MW-1 through MW-4, the closest wells to the source. Concentrations of constituents in MW-5 (a nearby off-site Chevron well) indicate that the plume has stabilized in the downgradient (southwest) direction. The risk assessment was tied to the identification of the constituents of concern, potential pathways in environmental media, and potential receptors of exposure. According to the report the objectives of the site conceptual model have been realized through the identification of soil and groundwater as the environmental media for remedial action via soil vapor extraction and water entrainment. Receptors of potential exposure were based on residential land use and groundwater as a drinking water resource (QST, 1999).

Based on the 1996 ESE site investigation report, off-site soil between the Chevron Station and the subject property did not appear to be impacted by hydrocarbon contamination. Groundwater samples collected at the time of the 1996 investigation indicated concentrations of TPH-G, TPH-D, BTEX, and MTBE. Based on a 1996 soil vapor study, the Autopro plume and the Chevron plume are intermingled and the downgradient concentrations could not be accurately ascertained.

Based on exposure and toxicity assessments as part of the risk assessment, and since the site is surfaced with asphalt and concrete, repeat exposure to the constituents of concern is unlikely. The Environmental Protection Agency (EPA) Preliminary Remediation Goal (PRG) for industrial properties for benzene was exceeded in one soil sample collected in 1996. According to QST, the absence of benzene in groundwater at the site eliminates the possibility of vertical migration upward into soil vapor (QST, 1999).

2.2.6 Quarterly Monitoring and Utility Backfill Sampling – 2004

According to Second Quarter 2004 sampling data TPH-G was detected at concentrations of 530, 33,000, and 1,700 µg/l in MW-1, MW-3, and MW-4 respectively. TPH-D was detected at concentrations between 56 and 1,200 µg/l in MW-1 through MW-4. Ethylbenzene was detected at concentrations of 0.67 µg/l in MW-4 and total xylenes were detected at concentrations of 5.6 and 1.22 µg/l in MW-3 and MW-4. Total petroleum hydrocarbons as motor oil (TPH-MO), benzene, toluene and fuel oxygenates were not detected during the sampling event. Monitoring well MW-5, was damaged at the time of sampling, thus was not sampled (MACTEC, 2004).

According to Third Quarter 2004 sampling data TPH-G was detected at concentrations of 260, 13,000, and 1,800 µg/l in MW-1, MW-3, and MW-4 respectively. TPH-D was detected at concentrations between 74 and 2,500 µg/l in MW-1 through MW-4.

TPH-MO, BTEX, and fuel oxygenates were not detected during the Third Quarter Sampling event (MACTEC, 2004).

In August 2004, two borings were advanced to approximately 16 feet bgs adjacent to the sanitary sewer line and storm drain line to investigate if the utility corridor was a conduit for contamination migration. This investigation was performed at the request of the ACEH in a letter dated December 24, 2002. The intent of the investigation was to obtain grab groundwater samples from each of the utility trench backfills. However, the boring adjacent to the sanitary sewer line was dry. Therefore, samples were obtained only from the storm drain backfill. The samples collected from the storm drain backfill were tested for TPH-G, TPH-D, benzene, toluene, ethylbenzene and xylenes were detected at concentrations of 57,000, 29,000, 9.5, 36, 11, and 29 µg/l respectively. Concentrations of contaminants of concern in the areas explored suggest that the release from the site has migrated to the utility trenches, which have acted as a preferential pathway for the contaminants (MACTEC, 2004).

According to the Second and Third Quarter 2004 Monitoring Report (MACTEC, 2004) the slotted casing in each of the wells (MW-1 through MW-4) is below the groundwater level. Since the interval of slotted casing in a well should span the surface of the groundwater aquifer being monitored, the slotted casing in these wells is considered to have been improperly placed at construction. The report indicates that, while these improperly placed slotted intervals will likely have little impact in the monitoring of groundwater levels and contaminant trends, they may adversely affect the ability to determine the presence of free floating product in groundwater at the site.

According to Fourth Quarter 2004 sampling data TPH-G was detected at concentrations of 710, 5,100, and 2,300 µg/l in monitoring wells MW-1, MW-3, and MW-4 respectively. TPH-D was detected at concentrations between 53 and 3,300 µg/l in all wells except Chevron well MW-2. TPH-MO was detected at concentrations of 450 and 1,400 µg/l in MW-1 and MW-4. Benzene concentrations in MW-3 exceeded the California State Drinking Water Standard Maximum Contaminant Level (MCL) of 1.0 µg/l; the remaining BTEX concentrations did not exceed MCLs for this sampling event. Groundwater flow at the time of sampling was to the northeast which is inconsistent with historical flow to the south/southwest; the reason for the change was unknown and was thought to be a result of heavy rainfall (MACTEC, 2005).

2.2.7 Site Recommendations From the ACEH - 2008

According to a letter from the Alameda County Environmental Health Services Department, dated March 28, 2008, analytical data from the Fourth Quarter 2004 Groundwater Monitoring Report was determined to be insufficient since all monitoring wells at the site have their slotted casing below groundwater. Depth to groundwater at the site ranges between 8 and 13 feet bgs; however MW-1 is screened from 15-30 feet and MW-2, MW-3, and MW-4 are screened between 15-25 feet. As a result, concentrations of contaminants detected in the groundwater samples may not be

representative of actual site conditions. In addition, grab groundwater samples collected at a nearby cross-gradient site in 2007 indicated concentrations of TPH-G in all three samples. The ACEH stated that further evaluation of preferential pathways and additional off-site plume delineation is warranted at the site and that hydrocarbon concentrations in downgradient well MW-3 warranted further characterization of the onsite plume. Since groundwater monitoring at the site has not been conducted since Fourth Quarter 2004, the ACEH recommended that quarterly monitoring be initiated and the wells be re-developed at the site. In addition it was recommended that a new site conceptual model be developed for the subject property and that all analytical data from 2001 onward be submitted via the SWRCB Geotracker website, with all reports from July 1, 2005 onward be submitted to the website as well (ACEH, 2008).

3.0 GROUNDWATER MONITORING ACTIVITIES

3.1 MONITORING WELL REDEVELOPMENT

On December 16, 2008, all four monitoring wells (MW-1 through MW-4) were redeveloped via the surge-block method. The block used was a capped, eight foot long, 1½-inch diameter PVC pipe filled with clean sand that was lowered to the bottom of the well and then raised to above the groundwater level repeatedly for a ten minute duration. This action (surge) forced water to move in and out of the well screen and filter pack in order to remove any silt or clay from the surrounding formation that were caught in the filter pack, and to improve groundwater flow into the monitoring well. After the surge was completed, a submersible pump was lowered into the well and groundwater was purged until relatively clear (between 4 to 14 gallons per well). Purging the water from the well served the purpose of removing suspended sediment from the well and creating a cone of depression to encourage new water to flow into the well from the surrounding soil formation. This series of procedures was repeated three times to each of the monitoring wells with the exception of MW-1.

In monitoring well MW-1, the block was only able to be lowered approximately 14 feet into the well before it became lodged. Several attempts were made to get past the blockage (presumably a slight bend or protrusion in the well casing) with no success. Fortunately, the well recharged easily during purging, suggesting that the filter pack and screen are in good working order.

3.2 GROUNDWATER ELEVATION AND HYDRAULIC GRADIENT

Prior to sampling, the depth to groundwater in each monitoring well was measured in accordance with the field procedures outlined in Section 3.3 using an electric water level indicator. Water levels are read from the top of the monitoring well casing (TOC) to an accuracy of 0.01 foot. This is performed in order to calculate the groundwater elevations and to determine the groundwater gradient. Before and after each use, the water level indicator was decontaminated to prevent cross-contamination of the wells.

Depth to groundwater, measured on December 22, 2008, and calculated groundwater elevations are presented in Table 1. Groundwater surface contours representing December 22, 2008, water levels beneath the site are shown on Figure 2. Based on the water level measurements obtained, the groundwater flow direction at the subject site is generally toward the northeast with a hydraulic gradient of approximately 0.01. The groundwater level from MW-1 was not used for this gradient and direction calculation because the level conflicted with the other three monitoring wells. Historically the hydraulic gradient has been determined to be to the southwest with the exception of a few instances of bimodal flow (ESE, 1994 and MACTEC, 2005). The unexpected direction of the gradient may be due to an incorrect top of casing survey elevation on some of the wells, or

as ESE has suggested, it may be due to the high permeability of the backfill material of the former UST pits that is affecting the flow direction on a small scale.

3.3 GROUNDWATER SAMPLING

On December 22, 2008, groundwater samples were collected from monitoring wells MW-1 through MW-4 at the project site. The following procedures for well monitoring, well purging and water sampling were implemented while sampling the wells:

1. All non-dedicated equipment was washed prior to entering the well with an Alconox solution, followed by a deionized water rinse.
2. Prior to purging the wells, depth to water was measured using a groundwater interface probe to an accuracy of 0.01 foot. The measurements were made to the top of the well casing on the north side.
3. The monitoring wells were purged of a minimum of three well volumes of water until pH, conductivity, and temperature stabilized. The wells were purged with a new, single-use dedicated bailer.
4. Water samples were collected with a single-use disposable bailer after the well had been purged. The water collected was immediately decanted into laboratory-supplied vials and bottles. The containers were filled, capped, labeled, and placed in a chilled cooler prior to delivery at the laboratory for analysis.
5. Chain of custody procedures, including chain of custody forms, were used to document water sample handling and transport from collection to delivery at the laboratory for analyses.
6. Purged water was contained in a DOT approved 55-gallon drum and left on site for proper disposal. The drum was labeled with the contents, date, well number, client name, and project number.

The purge logs are presented in Appendix A.

3.4 LABORATORY ANALYSIS, RESULTS, AND DISCUSSION

Three groundwater samples were submitted for analysis to SunStar Laboratories, Inc of Lake Forest, California, a State of California certified environmental analytical laboratory. The samples were analyzed for the following:

- Total Petroleum Hydrocarbons as Gasoline (TPH-G) using EPA Method 8015M
- Total Petroleum Hydrocarbons as Diesel (TPH-D) using EPA Method 8015M

- Total Petroleum Hydrocarbons as Motor Oil (TPH-MO) using EPA Method 8015M
- Volatile Organic Compounds (VOCs) and fuel oxygenates using EPA Method 8260B

The following are the results of the groundwater analysis:

- TPH-G was detected above the laboratory reporting limit of 50 micrograms per liter ($\mu\text{g/L}$) in the groundwater samples from MW-1 (390 $\mu\text{g/L}$), MW-3 (3,600 $\mu\text{g/L}$), and MW-4 (1,200 $\mu\text{g/L}$).
- TPH-D was detected above the laboratory reporting limit of 50 $\mu\text{g/L}$ in the groundwater samples from MW-1 (150 $\mu\text{g/L}$), MW-3 (1,400 $\mu\text{g/L}$), and MW-4 (700 $\mu\text{g/L}$).
- TPH-MO was not detected at or above the laboratory reporting limit of 100 $\mu\text{g/L}$ in any of the groundwater samples collected.
- VOCs associated with hydrocarbon contamination were detected above their respective laboratory reporting limit in the groundwater samples collected from MW-1, MW-3, and MW-4;
 - N-Butylbenzene at 5.5 $\mu\text{g/L}$ in MW-1 and 18 $\mu\text{g/L}$ in MW-4
 - Sec-Butylbenzene at 3.9 $\mu\text{g/L}$ in MW-1 and 9.3 $\mu\text{g/L}$ in MW-4
 - Isopropyltoluene at 3.2 $\mu\text{g/L}$ in MW-1, 39 $\mu\text{g/L}$ in MW-3, and 10 $\mu\text{g/L}$ in MW-4
 - P-Isopropyltoluene at 14 $\mu\text{g/L}$ in MW-3, and 9.0 $\mu\text{g/L}$ in MW-4
 - Naphthalene at 2.0 $\mu\text{g/L}$ in MW-1
 - N-Propylbenzene at 7.3 $\mu\text{g/L}$ in MW-1, 60 $\mu\text{g/L}$ in MW-3, and 21 $\mu\text{g/L}$ in MW-4
 - 1,3,5-Trimethylbenzene at 23 $\mu\text{g/L}$ in MW-3
 - Total Xylenes at 9.8 $\mu\text{g/L}$ in MW-3
- Petroleum hydrocarbon related contaminants were not detected in the sample collected from MW-2.

A summary of the laboratory results for groundwater samples is presented in Table 2. Copies of the laboratory report and chain of custody records are presented in Appendix B.

The groundwater analytical results were compared to their respective San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) for Residential Land Use where and groundwater is a drinking water resource. Groundwater samples MW-1, MW-3, and MW-4 had the following constituents greater

then their respective ESL;

- TPH-G in MW-1 at 390 µg/L, MW-3 at 3,600 µg/L, and MW-4 at 1,200 µg/L (ESL of 100 µg/L)
- TPH-D in MW-1 at 150 µg/L, MW-3 at 1,400 µg/L, and MW-4 at 700 µg/L (ESL of 100 µg/L)

3.5 MONITORING WELL EVALUATION

In a letter from the Alameda County Environmental Health Services (ACEH) dated March 8, 2008, they expressed concern that the wells were constructed incorrectly such that groundwater levels were above the slotted casing interval of the wells. ACEH is concerned that the “drowned wells” are affecting the detected contaminant concentrations in the wells. On December 22, 2008, the groundwater level was at approximately 10.5 feet below ground surface (bgs). The references reviewed indicate that the wells are screened from 15-25 feet bgs, with the exception of MW-1 which is screened from 15-30 feet bgs. Based on this data, the top of the screens remain below groundwater levels.

During groundwater sampling, the bottom of each well was sounded to determine the total depth. It was determined that the sounded depths below the top of casing are 26.07, 24.69, 14.54, and 15.69 feet for MW-1 through MW-4 respectively. With the exception of MW-2, these measured depths do not agree with the installation data for the wells; the depths of MW-1, MW-3, and MW-4 all measure to be about 5 to 10 feet less than their stated depth at installation. There are several possible causes for the discrepancy between the installed and sounded depths of these wells;

1. Incorrect installation data.
2. Blockage (with a bailer for example).
3. Filling of the well casing (by siltation or man-made fill)

Sometime between the ESE 1996 report and the MACTEC 2004 monitoring report, wells MW-3 and MW-4 have “lost” 10 feet of depth. Since the sounded depths of MW-3 and MW-4 would put the current bottom of the well at or above the installed slotted casing, and since both of these wells had no problems producing groundwater, the most likely causes of the discrepancy are either incorrect installation data of a partial blockage of the wells.

4.0 CONCLUSIONS AND RECOMMENDATIONS

PSI conducted well redevelopment on December 16, 2008, and groundwater monitoring activities on December 22, 2008. The results of the monitoring event are summarized below.

- Based on our field measurements, groundwater at the site flows generally toward the northeast under a hydraulic gradient of 0.01. This flow direction is nearly the opposite of what was expected at the site, based on the historic data reviewed.
- TPH-G, TPH-D, and VOCs were detected in the groundwater samples from monitoring wells MW-1, MW-3, and MW-4.
- Petroleum Hydrocarbon-Related contaminants were not detected in monitoring well MW-2 which contained only a low concentration of the non-hydrocarbon associated chemical, chloroform.
- All of the groundwater analytical results were below their respective RWQCB ESLs with the exception of the samples from MW-1, MW-3, and MW-4, which had TPH-G and TPH-D above their respective ESL.

Based on the soil and groundwater analytical results, it appears that TPH-G, TPH-D and VOC impacted groundwater is present in the area of the former UST excavations. The groundwater flow direction has primarily been to the southwest in the previous quarters, with a few exceptions in which the flow is reversed to the northwest in a bimodal fashion.

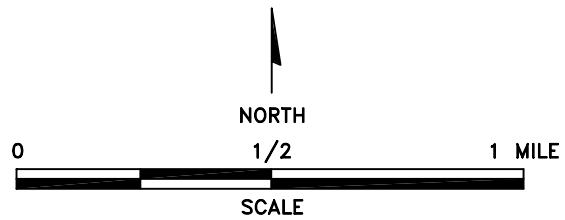
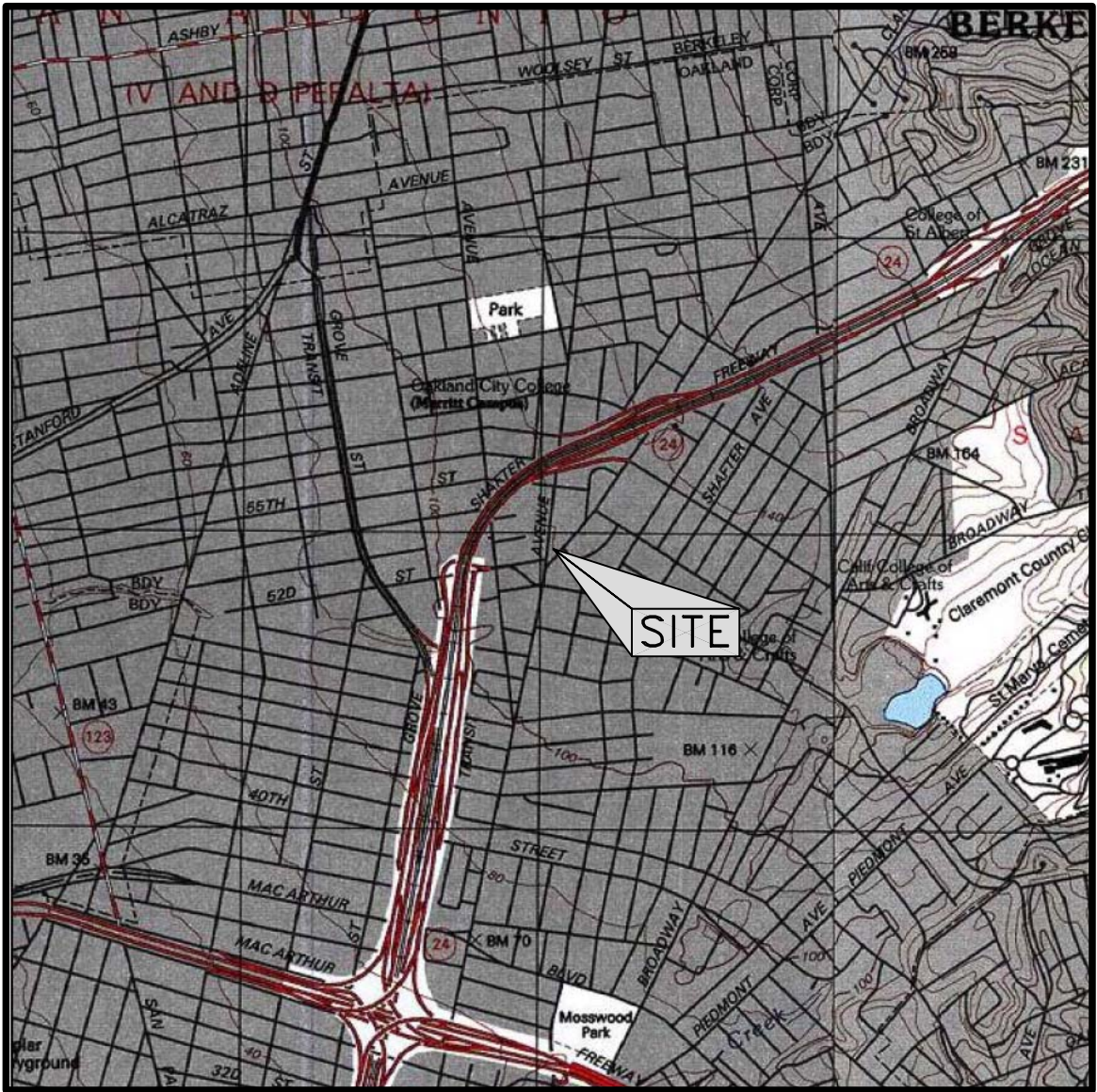
PSI recommends the monitoring wells be re-evaluated during the Second Quarter 2009 Groundwater Monitoring event for groundwater flow confirmation and well depth. Furthermore, PSI recommends continued quarterly groundwater monitoring at the site until case closure has been granted.

In regards to the ACEH letter dated March 28, 2008, PSI will submit a workplan to characterize the contaminant source area, study the preferential pathways of the contaminants, address the drowned wells, and the need for re-surveying the wells by March 13, 2009.

5.0 REFERENCES

1. Pacific Excavators, January 24, 1991, "Autopro soils report, 5200 Telegraph Avenue, Oakland, California."
2. Environmental Science & Engineering, Inc, April 19, 1993, "Auto Pro 5200 Telegraph Avenue, Oakland, California."
3. Environmental Science & Engineering, Inc, August 16, 1994, "Second Quarter Groundwater Monitoring Report, Remedial Investigation, 5200 Telegraph Avenue, Oakland, California."
4. Environmental Science & Engineering, Inc, September 5, 1996, "Additional Soil and Groundwater Investigation and Second Quarter 1996 Groundwater Monitoring Report, 5200 Telegraph Avenue, Oakland, California"
5. US Geological Survey (USGS), 1997 Oakland West Quadrangle, California, 7.5 Minute Series (topographic), United States Department of the Interior, Scale: 1:24,000.
6. QST, Inc, July 8, 1999, "Site Closure Report Auto Pro, 5200 Telegraph Avenue, Oakland, California."
7. MACTEC, November 30, 2004, "Quarterly Monitoring Second and Third Quarters and Backfill Sampling Summary, Auto Pro Site 5200 Telegraph Avenue, Oakland, California"
8. MACTEC, February 10, 2005, "Quarterly Monitoring Fourth Quarter, Auto Pro Site 5200 Telegraph Avenue, Oakland, California"
9. Alameda County Health Care Services Agency, Environmental Health Services Department (ACEH), March 28, 2008, "Fuel Leak Case No. RO0000323 and Geotracker ID T0600100131, Auto Pro 5200 Telegraph Avenue, Oakland, California.

FIGURES



REFERENCE:
 U.S.G.S. OAKLAND
 WEST, CALIFORNIA,
 7.5 MINUTE SERIES
 TOPOGRAPHIC MAP,
 DATED 1997.

psi Information
 To Build On
 Engineering • Consulting • Testing

4703 Tidewater Avenue, Suite B
 Oakland, California 94601
 (510) 434-9200

Project Name: SMOG ONLY TEST STATION
 (FORMERLY AUTOPRO)
 5200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

Drawn By:
 E.R.

Date:
 01/09

File No.:
 9G012-01

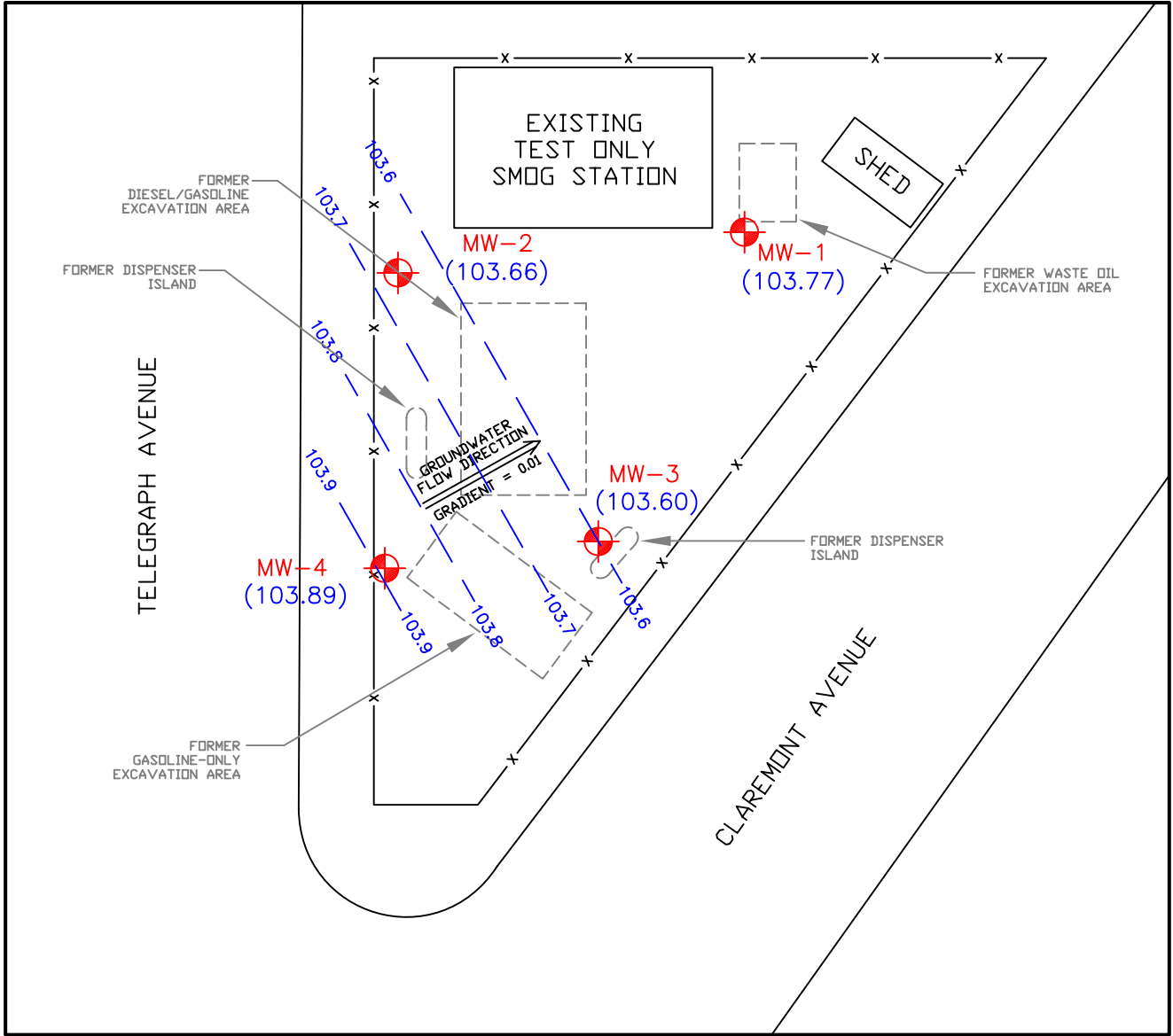
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Title:
 SITE LOCATION MAP




Approved By:
 F.P.

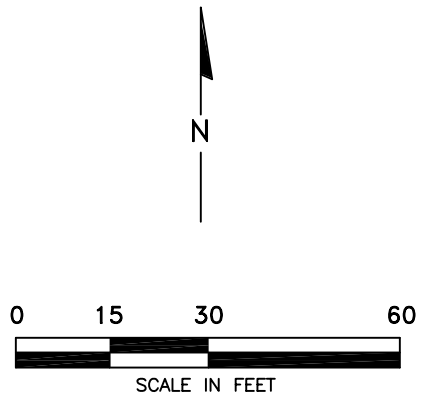
Project No.:
 575-8G012

1




LEGEND

-  MW-2 (103.66) - GROUNDWATER MONITORING WELL LOCATION (GROUNDWATER ELEVATION GIVEN IN FEET MSL)
-  103.9 - INTERPRETED LINE OF EQUAL GROUNDWATER ELEVATION (INDICATED IN FEET MSL)
-  - FENCE



NOTES:
 1. MW-1 WAS NOT USED IN GRADIENT CALCULATION.
 2. BASE MAP TAKEN FROM MACTEC, GROUNDWATER CONTOUR MAP - 12/14/04, PLATE 3, AUTOPRO INC., PROJECT NO: 4095041620 03.

 Information To Build On <i>Engineering • Consulting • Testing</i>		4703 Tidewater Avenue, Suite B Oakland, California 94601 (510) 434-9200			
Project Name: AUTOPRO 5200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA		Drawn By: E.R.	Date: 01/09	File No.: 8C012-4Q08	Figure No.: <div style="font-size: 2em; text-align: center;">2</div>
Title: GROUNDWATER ELEVATION MAP DECEMBER 22, 2008		Approved By: B.B.	Project No.: 575-8G012		

TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
 Test Only SMOG Station (Former Autopro)
 5200 Telegraph Avenue, Oakland, CA

Well Number	TOC Elevation (feet msl)	Date	Depth to Groundwater	Groundwater Elevation (feet msl)
MW-1	115.44	12/22/08	11.67	103.77
MW-2	114.62	12/22/08	10.96	103.66
MW-3	113.90	12/22/08	10.30	103.60
MW-4	114.25	12/22/08	10.36	103.89

Notes:

feet msl = feet with respect to mean sea level

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
 Test Only SMOG Station (Former Autopro)
 5200 Telegraph Avenue, Oakland, CA

Sample Number	Date	TPH-G	TPH-D	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	Naphthalene	n-Propylbenzene	1,3,5-Trimethylbenzene	Total Xylenes
MW-1	12/22/08	390	150	5.5	3.9	3.2	<1.0	2.0	7.3	<1.0	<1.5
MW-2	12/22/08	<50	<50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.5
MW-3	12/22/08	3,600	1,400	<1.0	<1.0	39	14	<1.0	60	23	9.8
MW-4	12/22/08	1,200	700	18	9.3	10	9.0	<1.0	21	<1.0	<1.5

Notes:

TPH-G = Total Petroleum Hydrocarbons as Gasoline

TPH-D = Total Petroleum Hydrocarbons as Diesel

The units for all presented values are µg/L = Micrograms per liter

< = The "less than" symbol indicates not detected above the laboratory reporting limit shown.

All VOCs not listed were below laboratory reporting limit.

APPENDIX A

GROUNDWATER PURGE LOGS AND WATER LEVEL DATA

FIELD ACTIVITY DAILY LOG

SHEET 1 OF 1

DATE: 12/16/08

PROJECT NAME: Tristar

PROJECT NO:

FIELD ACTIVITY SUBJECT: Redeveloping Wells

DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:

	P = Purge	B = Surge Block	9.5 gallon				
MW-1	Sounded it and got stuck		= 26.05'	the B	only went down	14'	
MW-2	Surge blocked 3x10 min with purging in between 10B - 8gP - 10B - 8gP - 10B - 14gP Purge water was clear after purging 30 gal						
MW-4	B went down 15.5' and got stuck. Sounded it from TOC = 15.7 Depth to water ≈ 11' 10 min B - 4gP - 10 min B - 7gP - 10 min B - 13gP						
MW-3	Depth to Water = 10.4' 10 min B - 5gP - 10 min B - 5gP - 10 min B - 10gP						

VISITORS ON SITE:

CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER IMPORTANT DECISIONS:

WEATHER CONDITIONS:

TELEPHONE CALLS:

PSI PERSONNEL ON SITE:

PREPARED BY: Ezekiel Pobles

WELL PURGING AND SAMPLING DATA

					WELL NO: <i>MW-1</i>		
DATE: 12/22/08	PROJECT NAME: TRISTAR			PROJECT NO: 575-8G012			
WEATHER CONDITIONS: <i>Cloudy ≈ 50°F</i>							
WELL DIAMETER (IN.) <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> OTHER _____							
SAMPLE TYPE: <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SURFACE WATER <input type="checkbox"/> OTHER							
WELL DEPTH (TOC) <i>26.07</i>		FT.		DEPTH TO WATER BEFORE PURGING (TOC) <i>11.67</i>			
LENGTH OF WATER <i>14.4</i>		FT.		CALCULATED ONE WELL VOLUME ¹ : <i>2.45</i>			
PURGING DEVICE: POLY BAILER <input checked="" type="checkbox"/> DEDICATED <input checked="" type="checkbox"/> DISPOSABLE <input type="checkbox"/> DECONTAMINATED							
SAMPLING DEVICE: POLY BAILER <input checked="" type="checkbox"/> DEDICATED <input checked="" type="checkbox"/> DISPOSABLE <input type="checkbox"/> DECONTAMINATED							
EQUIP. DECON. <input type="checkbox"/> TAP WATER WASH <input type="checkbox"/> ISOPROPANOL <input type="checkbox"/> ANALYTE FREE FINAL RINSE							
<input type="checkbox"/> ALCONOX WASH <input type="checkbox"/> DIST/DEION 1 RINSE <input type="checkbox"/> OTHER SOLVENT <input checked="" type="checkbox"/> DIST/DEION FINAL RINSE							
<input checked="" type="checkbox"/> LIQUINOX WASH <input type="checkbox"/> DIST/DEION 2 RINSE <input type="checkbox"/> TAP WATER FINAL RINSE <input type="checkbox"/> AIR DRY							
CONTAINER PRESERVATION: <input checked="" type="checkbox"/> LAB PRESERVED <input type="checkbox"/> FIELD PRESERVED							
WATER ANALYZER MODEL & SERIAL NO: MYRON L ULTRAMETER 6P SERIAL# 602174							
ACTUAL TIME (MIN)	CUMUL. VOLUME PURGED (GAL)	TEMP <input type="checkbox"/> °F <input checked="" type="checkbox"/> °C	SPECIFIC CONDUCT.	pH	DEPTH TO GROUND WATER	WATER APPEAR CL=CLEAR CO=CLOUDY TU=TURBID	REMARKS (EVIDENT ODOR, COLOR, PID)
<i>12:35</i>	<i>INITIAL</i>	<i>19.7</i>	<i>501.0µS</i>	<i>7.70</i>		<i>CL</i>	<i>clear / slight Hydrocarbon odor</i>
<i>12:41</i>	<i>3.0</i>	<i>20.0</i>	<i>520.3</i>	<i>7.55</i>		<i>CL</i>	<i>Yellowish / "</i>
<i>12:46</i>	<i>6.0</i>	<i>19.9</i>	<i>496.2</i>	<i>7.49</i>		<i>"</i>	<i>" / "</i>
<i>12:52</i>	<i>9.0</i>	<i>20.0</i>	<i>491.0</i>	<i>7.47</i>		<i>"</i>	<i>" / "</i>
DEPTH TO WATER AFTER PURGING (TOC) <i>12.20</i>					FT. SAMPLE FILTERED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SIZE _____		
NOTES:			SAMPLE TIME: <i>13:02</i> ID# <i>MW-1</i>				
			DUPLICATE <input type="checkbox"/> TIME: ID#:				
			EQUIP. BLANK: <input type="checkbox"/> TIME: ID#:				
PREPARED BY: EZEKIEL ROBLES							

WELL PURGING AND SAMPLING DATA

					WELL NO: MW-2				
DATE: 12/22/08		PROJECT NAME: TRISTAR			PROJECT NO: 575-8G012				
WEATHER CONDITIONS: Cloudy ≈ 50°F									
WELL DIAMETER (IN.) <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> OTHER _____									
SAMPLE TYPE: <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SURFACE WATER <input type="checkbox"/> OTHER									
WELL DEPTH (TOC) 24.69 FT.					DEPTH TO WATER BEFORE PURGING (TOC) 10.96 FT.				
LENGTH OF WATER 13.73 FT.					CALCULATED ONE WELL VOLUME ¹ : 2.33 GAL.				
PURGING DEVICE: POLY BAILER <input checked="" type="checkbox"/> DEDICATED <input checked="" type="checkbox"/> DISPOSABLE <input type="checkbox"/> DECONTAMINATED									
SAMPLING DEVICE: POLY BAILER <input checked="" type="checkbox"/> DEDICATED <input checked="" type="checkbox"/> DISPOSABLE <input type="checkbox"/> DECONTAMINATED									
EQUIP. DECON. <input type="checkbox"/> TAP WATER WASH <input type="checkbox"/> ISOPROPANOL <input type="checkbox"/> ANALYTE FREE FINAL RINSE									
<input type="checkbox"/> ALCONOX WASH <input type="checkbox"/> DIST/DEION 1 RINSE <input type="checkbox"/> OTHER SOLVENT <input checked="" type="checkbox"/> DIST/DEION FINAL RINSE									
<input checked="" type="checkbox"/> LIQUINOX WASH <input type="checkbox"/> DIST/DEION 2 RINSE <input type="checkbox"/> TAP WATER FINAL RINSE <input type="checkbox"/> AIR DRY									
CONTAINER PRESERVATION: <input checked="" type="checkbox"/> LAB PRESERVED <input type="checkbox"/> FIELD PRESERVED									
WATER ANALYZER MODEL & SERIAL NO: MYRON L ULTRAMETER 6P SERIAL# 602174									
ACTUAL TIME (MIN)	CUMUL. VOLUME PURGED (GAL)	TEMP <input type="checkbox"/> °F <input checked="" type="checkbox"/> °C	SPECIFIC CONDUCT.	pH	DEPTH TO GROUND WATER	WATER APPEAR CL=CLEAR CO=CLOUDY TU=TURBID	REMARKS (EVIDENT ODOR, COLOR, PID)		
13:15	INITIAL	20.1	364.4_{μs}	7.63		CL	clear / No Odor		
13:21	3	20.1	371.6	7.48		CO	Yellow / Brown		
13:29	6	19.8	371.9	7.46		"	" / "		
13:35	9	20.0	371.4	7.44		"	" / "		
DEPTH TO WATER AFTER PURGING (TOC) 24.69 11.02 FT.					SAMPLE FILTERED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SIZE _____				
NOTES:					SAMPLE TIME: 13:45 ID#				
					DUPLICATE <input type="checkbox"/> TIME: ID#:				
					EQUIP. BLANK: <input type="checkbox"/> TIME: ID#:				
					PREPARED BY: EZEKIEL ROBLES				

¹ A 1 FOOT LENGTH OF WATER = 0.05 GAL IN 1" DIA. PIPE 0.17 GAL IN 2" DIA PIPE 0.65 GAL IN 4" DIA PIPE 1.5 GAL IN 6" DIA PIPE

WELL PURGING AND SAMPLING DATA

					WELL NO: <i>MW-3</i>						
DATE: 12/22/08		PROJECT NAME: TRISTAR			PROJECT NO: 575-8G012						
WEATHER CONDITIONS: <i>Cloudy / Light Rain ≈ 45° F</i>											
WELL DIAMETER (IN.) <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> OTHER _____											
SAMPLE TYPE: <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SURFACE WATER <input type="checkbox"/> OTHER											
WELL DEPTH (TOC) <i>14.54</i>				FT.	DEPTH TO WATER BEFORE PURGING (TOC) <i>10.30</i>				FT.		
LENGTH OF WATER <i>4.24</i>				FT.	CALCULATED ONE WELL VOLUME ¹ : <i>0.72</i>				GAL.		
PURGING DEVICE: POLY BAILER <input checked="" type="checkbox"/> DEDICATED <input checked="" type="checkbox"/> DISPOSABLE <input type="checkbox"/> DECONTAMINATED											
SAMPLING DEVICE: POLY BAILER <input checked="" type="checkbox"/> DEDICATED <input checked="" type="checkbox"/> DISPOSABLE <input type="checkbox"/> DECONTAMINATED											
EQUIP. DECON. <input type="checkbox"/> TAP WATER WASH <input type="checkbox"/> ISOPROPANOL <input type="checkbox"/> ANALYTE FREE FINAL RINSE											
<input type="checkbox"/> ALCONOX WASH <input type="checkbox"/> DIST/DEION 1 RINSE <input type="checkbox"/> OTHER SOLVENT <input checked="" type="checkbox"/> DIST/DEION FINAL RINSE											
<input checked="" type="checkbox"/> LIQUINOX WASH <input type="checkbox"/> DIST/DEION 2 RINSE <input type="checkbox"/> TAP WATER FINAL RINSE <input type="checkbox"/> AIR DRY											
CONTAINER PRESERVATION: <input checked="" type="checkbox"/> LAB PRESERVED <input type="checkbox"/> FIELD PRESERVED											
WATER ANALYZER MODEL & SERIAL NO: MYRON L ULTRAMETER 6P SERIAL# 602174											
ACTUAL TIME (MIN)	CUMUL. VOLUME PURGED (GAL)	TEMP <input type="checkbox"/> °F <input checked="" type="checkbox"/> °C	SPECIFIC CONDUCT.	pH	DEPTH TO GROUND WATER		WATER APPEAR CL=CLEAR CO=CLOUDY TU=TURBID	REMARKS (EVIDENT ODOR, COLOR, PID)			
<i>14:28</i>	<i>INITIAL</i>	<i>19.9</i>	<i>347.5_{μS}</i>	<i>7.56</i>			<i>CL</i>	<i>clear / Moderate Hydrocarbon Odor</i>			
<i>14:30</i>	<i>1</i>	<i>21.0</i>	<i>355.4</i>	<i>7.57</i>			<i>CO</i>	<i>Grey / "</i>			
<i>14:32</i>	<i>2</i>	<i>21.3</i>	<i>355.7</i>	<i>7.56</i>			<i>"</i>	<i>" "</i>			
<i>14:35</i>	<i>3</i>	<i>21.0</i>	<i>355.8</i>	<i>7.55</i>			<i>"</i>	<i>" "</i>			
DEPTH TO WATER AFTER PURGING (TOC) <i>10.53</i>					FT.	SAMPLE FILTERED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SIZE _____					
NOTES:					SAMPLE TIME: <i>14:44</i>		ID# <i>MW-3</i>				
					DUPLICATE <input type="checkbox"/>		TIME:		ID#:		
					EQUIP. BLANK: <input type="checkbox"/>		TIME:		ID#:		
					PREPARED BY: EZEKIEL ROBLES						

WELL PURGING AND SAMPLING DATA

		WELL NO: <i>MW-4</i>
DATE: 12/22/08	PROJECT NAME: TRISTAR	PROJECT NO: 575-8G012

WEATHER CONDITIONS:

WELL DIAMETER (IN.) 1 2 4 6 OTHER _____

SAMPLE TYPE: GROUNDWATER WASTEWATER SURFACE WATER OTHER

WELL DEPTH (TOC) *15.69* FT. DEPTH TO WATER BEFORE PURGING (TOC) *10.36* FT.

LENGTH OF WATER *5.33* FT. CALCULATED ONE WELL VOLUME¹: *0.91* GAL.

PURGING DEVICE: POLY BAILER DEDICATED DISPOSABLE DECONTAMINATED

SAMPLING DEVICE: POLY BAILER DEDICATED DISPOSABLE DECONTAMINATED

EQUIP. DECON. TAP WATER WASH ISOPROPNOL ANALYTE FREE FINAL RINSE
 ALCONOX WASH DIST/DEION 1 RINSE OTHER SOLVENT DIST/DEION FINAL RINSE
 LIQUINOX WASH DIST/DEION 2 RINSE TAP WATER FINAL RINSE AIR DRY

CONTAINER PRESERVATION: LAB PRESERVED FIELD PRESERVED

WATER ANALYZER MODEL & SERIAL NO: MYRON L ULTRAMETER 6P SERIAL# 602174

ACTUAL TIME (MIN)	CUMUL. VOLUME PURGED (GAL)	TEMP <input type="checkbox"/> °F <input checked="" type="checkbox"/> °C	SPECIFIC CONDUCT.	pH	DEPTH TO GROUND WATER	WATER APPEAR CL=CLEAR CO=CLOUDY TU=TURBID	REMARKS (EVIDENT ODOR, COLOR, PID)
<i>13:59</i>	<i>INITIAL</i>	<i>20.5</i>	<i>110.1µS</i>	<i>7.76</i>		<i>CL</i>	<i>clear / slight Hydrocarbon Odor</i>
<i>14:01</i>	<i>1.5</i>	<i>21.3</i>	<i>118.1</i>	<i>7.73</i>		<i>CO</i>	<i>Grey / "</i>
<i>14:04</i>	<i>3.0</i>	<i>21.0</i>	<i>124.1</i>	<i>7.71</i>		<i>"</i>	<i>Grey / "</i>
<i>14:07</i>	<i>4.5</i>	<i>21.3</i>	<i>125.1</i>	<i>7.70</i>		<i>"</i>	<i>" "</i>

DEPTH TO WATER AFTER PURGING (TOC) *10.57* FT. SAMPLE FILTERED YES NO SIZE _____

NOTES:	SAMPLE TIME: <i>14:14</i>	ID# <i>MW-4</i>
	DUPLICATE <input type="checkbox"/>	TIME: ID#:
	EQUIP. BLANK: <input type="checkbox"/>	TIME: ID#:
	PREPARED BY: EZEKIEL ROBLES	

¹A 1 FOOT LENGTH OF WATER = 0.05 GAL IN 1" DIA. PIPE 0.17 GAL IN 2" DIA PIPE 0.65 GAL IN 4" DIA PIPE 1.5 GAL IN 6" DIA PIPE

Well Purging And Sampling Data Rev. 3/07

APPENDIX B

LABORATORY REPORTS AND CHAIN-OF-CUSTODY RECORDS



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

08 January 2009

Ezekiel Robles
PSI -- Oakland
4703 Tidewater Ave Ste B
Oakland, CA 94601
RE: Tristar

Enclosed are the results of analyses for samples received by the laboratory on 12/23/08 11:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Albert Vargas For John Shepler
Laboratory Director

PSI -- Oakland
4703 Tidewater Ave Ste B
Oakland CA, 94601

Project: Tristar
Project Number: 575-8G012
Project Manager: Ezekiel Robles

Reported:
01/08/09 17:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T801584-01	Water	12/22/08 13:02	12/23/08 11:00
MW-2	T801584-02	Water	12/22/08 13:45	12/23/08 11:00
MW-3	T801584-03	Water	12/22/08 14:44	12/23/08 11:00
MW-4	T801584-04	Water	12/22/08 14:14	12/23/08 11:00

SunStar Laboratories, Inc.



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

Albert Vargas For John Shepler, Laboratory Director



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

PSI -- Oakland 4703 Tidewater Ave Ste B Oakland CA, 94601	Project: Tristar Project Number: 575-8G012 Project Manager: Ezekiel Robles	Reported: 01/08/09 17:27
---	--	-----------------------------

MW-1
T801584-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C12 (GRO)	0.39	0.050	mg/l	1	8122313	12/23/08	12/26/08	EPA 8015C	
C13-C28 (DRO)	0.15	0.050	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		84.4 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	1.0	ug/l	1	8122010	12/22/08	12/30/08	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	5.5	1.0	"	"	"	"	"	"	
sec-Butylbenzene	3.9	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

PSI -- Oakland
 4703 Tidewater Ave Ste B
 Oakland CA, 94601

Project: Tristar
 Project Number: 575-8G012
 Project Manager: Ezekiel Robles

Reported:
 01/08/09 17:27

MW-1
T801584-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,2-Dichloroethene	ND	1.0	ug/l	1	8122010	12/22/08	12/30/08	EPA 8260B	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	3.2	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	2.0	1.0	"	"	"	"	"	"	
n-Propylbenzene	7.3	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	

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Project: Tristar
Project Number: 575-8G012
Project Manager: Ezekiel Robles

Reported:
01/08/09 17:27

**MW-1
T801584-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

o-Xylene	ND	0.50	ug/l	1	8122010	12/22/08	12/30/08	EPA 8260B	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.4 %	77.1-110		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		102 %	66.3-111		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		108 %	84.7-109		"	"	"	"	

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 Project Number: 575-8G012
 Project Manager: Ezekiel Robles

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MW-2
T801584-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	ND	0.050	mg/l	1	8122313	12/23/08	12/26/08	EPA 8015C	
C13-C28 (DRO)	ND	0.050	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	

Surrogate: *p*-Terphenyl 90.8 % 65-135 " " " "

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	8122010	12/22/08	12/30/08	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	1.2	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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MW-2
T801584-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,2-Dichloroethene	ND	1.0	ug/l	1	8122010	12/22/08	12/30/08	EPA 8260B	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	

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Project Manager: Ezekiel Robles

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**MW-2
T801584-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

o-Xylene	ND	0.50	ug/l	1	8122010	12/22/08	12/30/08	EPA 8260B	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.1 %	77.1-110		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		103 %	66.3-111		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	84.7-109		"	"	"	"	

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Project Manager: Ezekiel Robles

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**MW-3
T801584-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

C6-C12 (GRO)	3.6	0.050	mg/l	1	8122313	12/23/08	12/26/08	EPA 8015C	
C13-C28 (DRO)	1.4	0.050	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		92.0 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	1.0	ug/l	1	8122010	12/22/08	12/30/08	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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MW-3
T801584-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,2-Dichloroethene	ND	1.0	ug/l	1	8122010	12/22/08	12/30/08	EPA 8260B	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	39	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	14	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	60	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	23	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	9.8	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

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MW-3
T801584-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Tert-amyl methyl ether	ND	2.0	ug/l	1	8122010	12/22/08	12/30/08	EPA 8260B	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		159 %	77.1-110		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		102 %	66.3-111		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		137 %	84.7-109		"	"	"	"	S-GC

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**MW-4
T801584-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
C6-C12 (GRO)	1.2	0.050	mg/l	1	8122313	12/23/08	12/26/08	EPA 8015C
C13-C28 (DRO)	0.70	0.050	"	"	"	"	"	"
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"
Surrogate: <i>p</i> -Terphenyl		85.4 %	65-135	"	"	"	"	"

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Bromobenzene	ND	1.0	ug/l	1	8122010	12/22/08	12/30/08	EPA 8260B
Bromochloromethane	ND	1.0	"	"	"	"	"	"
Bromodichloromethane	ND	1.0	"	"	"	"	"	"
Bromoform	ND	1.0	"	"	"	"	"	"
Bromomethane	ND	1.0	"	"	"	"	"	"
n-Butylbenzene	18	1.0	"	"	"	"	"	"
sec-Butylbenzene	9.3	1.0	"	"	"	"	"	"
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"
Chlorobenzene	ND	1.0	"	"	"	"	"	"
Chloroethane	ND	1.0	"	"	"	"	"	"
Chloroform	ND	1.0	"	"	"	"	"	"
Chloromethane	ND	1.0	"	"	"	"	"	"
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"
Dibromochloromethane	ND	1.0	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"
Dibromomethane	ND	1.0	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"

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 Project Number: 575-8G012
 Project Manager: Ezekiel Robles

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MW-4
T801584-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,2-Dichloroethene	ND	1.0	ug/l	1	8122010	12/22/08	12/30/08	EPA 8260B	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	10	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	9.0	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	21	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Albert Vargas For John Shepler, Laboratory Director

PSI -- Oakland 4703 Tidewater Ave Ste B Oakland CA, 94601	Project: Tristar Project Number: 575-8G012 Project Manager: Ezekiel Robles	Reported: 01/08/09 17:27
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**MW-4
T801584-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Tert-amyl methyl ether	ND	2.0	ug/l	1	8122010	12/22/08	12/30/08	EPA 8260B	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		166 %	77.1-110		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		101 %	66.3-111		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		129 %	84.7-109		"	"	"	"	S-GC

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PSI -- Oakland
4703 Tidewater Ave Ste B
Oakland CA, 94601

Project: Tristar
Project Number: 575-8G012
Project Manager: Ezekiel Robles

Reported:
01/08/09 17:27

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8122313 - EPA 3510C GC

Blank (8122313-BLK1)

Prepared: 12/23/08 Analyzed: 12/26/08

C6-C12 (GRO)	ND	0.050	mg/l							
C13-C28 (DRO)	ND	0.050	"							
C29-C40 (MORO)	ND	0.10	"							
Surrogate: <i>p</i> -Terphenyl	3.54		"	4.00		88.6	65-135			

LCS (8122313-BS1)

Prepared: 12/23/08 Analyzed: 12/26/08

C13-C28 (DRO)	16.7	0.050	mg/l	20.0		83.4	75-125			
Surrogate: <i>p</i> -Terphenyl	3.76		"	4.00		94.0	65-135			

Matrix Spike (8122313-MS1)

Source: T801584-04

Prepared: 12/23/08 Analyzed: 12/26/08

C13-C28 (DRO)	15.8	0.050	mg/l	20.0	0.702	75.3	75-125			
Surrogate: <i>p</i> -Terphenyl	3.51		"	4.00		87.7	65-135			

Matrix Spike Dup (8122313-MSD1)

Source: T801584-04

Prepared: 12/23/08 Analyzed: 12/26/08

C13-C28 (DRO)	17.4	0.050	mg/l	20.0	0.702	83.6	75-125	9.99	20	
Surrogate: <i>p</i> -Terphenyl	3.61		"	4.00		90.2	65-135			

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PSI -- Oakland
4703 Tidewater Ave Ste B
Oakland CA, 94601

Project: Tristar
Project Number: 575-8G012
Project Manager: Ezekiel Robles

Reported:
01/08/09 17:27

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8122010 - EPA 5030 GCMS

Blank (8122010-BLK1)

Prepared: 12/20/08 Analyzed: 12/30/08

Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							

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PSI -- Oakland
4703 Tidewater Ave Ste B
Oakland CA, 94601

Project: Tristar
Project Number: 575-8G012
Project Manager: Ezekiel Robles

Reported:
01/08/09 17:27

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8122010 - EPA 5030 GCMS

Blank (8122010-BLK1)

Prepared: 12/20/08 Analyzed: 12/30/08

p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	14.7		"	16.0		92.1	77.1-110			
<i>Surrogate: Dibromofluoromethane</i>	20.2		"	16.0		126	66.3-111			S-GC
<i>Surrogate: Toluene-d8</i>	16.7		"	16.0		104	84.7-109			

SunStar Laboratories, Inc.



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PSI -- Oakland
4703 Tidewater Ave Ste B
Oakland CA, 94601

Project: Tristar
Project Number: 575-8G012
Project Manager: Ezekiel Robles

Reported:
01/08/09 17:27

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8122010 - EPA 5030 GCMS

LCS (8122010-BS1)

Prepared: 12/20/08 Analyzed: 12/30/08

Chlorobenzene	22.8	1.0	ug/l	20.0		114	75-125			
1,1-Dichloroethene	21.8	1.0	"	20.0		109	75-125			
Trichloroethene	21.8	1.0	"	20.0		109	75-125			
Benzene	21.5	0.50	"	20.0		108	75-125			
Toluene	22.8	0.50	"	20.0		114	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>14.0</i>		<i>"</i>	<i>16.0</i>		<i>87.6</i>	<i>77.1-110</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>16.6</i>		<i>"</i>	<i>16.0</i>		<i>104</i>	<i>66.3-111</i>			
<i>Surrogate: Toluene-d8</i>	<i>16.6</i>		<i>"</i>	<i>16.0</i>		<i>104</i>	<i>84.7-109</i>			

LCS Dup (8122010-BSD1)

Prepared: 12/20/08 Analyzed: 12/30/08

Chlorobenzene	23.7	1.0	ug/l	20.0		119	75-125	3.87	20	
1,1-Dichloroethene	22.3	1.0	"	20.0		112	75-125	2.22	20	
Trichloroethene	22.1	1.0	"	20.0		111	75-125	1.50	20	
Benzene	21.5	0.50	"	20.0		108	75-125	0.0929	20	
Toluene	23.2	0.50	"	20.0		116	75-125	1.82	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.8</i>		<i>"</i>	<i>16.0</i>		<i>85.9</i>	<i>77.1-110</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>17.3</i>		<i>"</i>	<i>16.0</i>		<i>108</i>	<i>66.3-111</i>			
<i>Surrogate: Toluene-d8</i>	<i>16.7</i>		<i>"</i>	<i>16.0</i>		<i>104</i>	<i>84.7-109</i>			

SunStar Laboratories, Inc.



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PSI -- Oakland

Project: Tristar

4703 Tidewater Ave Ste B

Project Number: 575-8G012

Oakland CA, 94601

Project Manager: Ezekiel Robles

Reported:

01/08/09 17:27

Notes and Definitions

S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SunStar Laboratories, Inc.



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Albert Vargas For John Shepler, Laboratory Director

SunStar Laboratories, Inc.
 3002 Dow Ave, Suite 212
 Tustin, CA 92780
 714-505-4010

Chain of Custody Record

Client: PSI
 Address: 4703 Tidewater Ave, Ste B, Oakland, CA 94601
 Phone: (510) 434-9200 Fax: (510) 434-7676
 Project Manager: Ezekiel Robles

Date: 12/22/08 Page: 1 of 1
 Project Name: Tristar
 Collector: Ezekiel Robles Client Project #: 575-86012
 Batch #: T801584

EDF# TD600100131

COC 83805

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	Laboratory ID #	Comments/Preservative	Total # of containers	
MW-1	12-22-08	13:02	WATER	VOA		X						X		01		4	
MW-2	↓	13:45	↓	↓		X						X		02		4	
MW-3	↓	14:44	↓	↓		X						X		03		4	
MW-4	↓	14:14	↓	↓		X						X		04		4	
Relinquished by: (signature) <u>[Signature]</u> Date / Time <u>12/22/08 17:00</u>					Received by: (signature) <u>GSO</u> Date / Time <u>12/23/08 11:00</u>					Total # of containers		20	Notes <u>Create EDF</u>				
Relinquished by: (signature) <u>GSO</u> Date / Time <u>12/23/08 11:00</u>					Received by: (signature) <u>[Signature]</u> Date / Time <u>12/23/08 11:00</u>					Chain of Custody seals Y/N/NA		Y					
										Seals intact? Y/N/NA		Y					
										Received good condition/cold		5.4	Turn around time: <u>STD</u>				

Sample disposal Instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____