March 28, 2007

Mr. Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Soil and Groundwater Investigation Report
New West Stations Livermore- Bernard's Gas
1051 Airway Boulevard
Livermore, California

Dear Mr. Wickham:

"I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge."

Sincerely,

New West Stations, Inc.

J. Gilbert Moore
Owner, New West Stations, Inc.

March 28, 2007

Mr. Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Soil and Groundwater Investigation Report
New West Stations Livermore- Bernard's Gas
1051 Airway Boulevard
Livermore, California

Dear Mr. Wickham:

On behalf of New West Stations, Inc. (New West), Closure Solutions Inc. (Closure Solutions) has prepared this *Soil and Groundwater Investigation Report* (Report) for the New West facility located at 1051 Airway Boulevard, Livermore, California (the Site). Closure Solutions conducted this investigation in accordance with the *Workplan for Monitoring Well Installation and Letter Response,* prepared by Apex Envirotech, Inc. (APEX), dated October 5, 2005 and the *Workplan for Monitoring Well Installation Addendum,* submitted APEX on April 14, 2006. A copy of the Alameda County Environmental Health (ACEH) Work Plan approval letter is included as Attachment A. On December 13, 2006, Closure Solutions became the consultant of record for the Site. Closure Solutions notified ACEH that due to change in environmental consultant and driller availability, New West would be unable to meet the initial February 28, 2007 deadline for the Soil and Groundwater Investigation Report, and requested an extension to March 31, 2007. On January 2, 2007, ACEH responded that the request was reasonable and granted the extension. The extension approval is included in Attachment A.

This Report includes a discussion of the Site background, Site hydrogeology, scope of work, results of the investigation, and appropriate recommendations.

1.0 SITE BACKGROUND

The Site is an active retail gasoline service station located on the southeast corner of the intersection of Airway Boulevard and North Canyon Parkway (Figure 1).

The New West facility is located approximately 500 feet north of Highway 580. The Site is bordered to the north by North Canyon Parkway, to the west by Airway Boulevard and a vacant lot. Land use in the vicinity of the Site is predominantly commercial.

In June of 2001, six fuel dispensers and associated product lines were removed by Walton Engineering, Inc of West Sacramento, California. Soil samples were collected beneath the former dispensers and product lines. Laboratory results indicted detectable concentrations of total petroleum hydrocarbons as gas (TPHg), TPH as diesel (TPHd), benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tertiary butyl ether (MTBE).

On January 2002, Grayland Environmental (Grayland) submitted a Site Contamination Work Plan to evaluate the spatial extent of soil contamination beneath the Site and to evaluate whether groundwater had been impacted by residual petroleum hydrocarbons.

On June 12, 2002, Apex Environmental (Apex) supervised the advancement of four soil borings at the Site. Soil results detections of constituents of concern (COCs) from 3 to 5 feet below ground surface (bgs). No COCs were detected at 24 feet bgs. Groundwater results detections of MTBE in low to moderated concentrations. Results were documented in the *Soil Boring and Groundwater Collection Results Report*, dated August 6, 2002.

On August 30, 2002, the ACEH issued a letter requesting a Site Conceptual Model (SCM) for the Site.

On December 19, 2002, Apex submitted a SCM to ACEH. Although no recommendations were proposed, no response was received from ACEH.

On June 14, 2005, the ACEH issued a letter requesting a work plan to vertically and horizontally define the plume and address technical comments. In response to ACEH's request, APEX prepared and submitted a Work Plan for Monitoring Well Installation, dated October 7, 2005. This Work Plan proposed the installation of six shallow monitoring wells and one deep well at the Site to evaluate the extent of contamination.

On November 18, 2005, ACEH responded to APEX's Work Plan, and requested modification of the work scope to include an additional monitoring well, and a review of the well survey performed for the Site. On April 14, 2006, APEX prepared and submitted a Workplan for Monitoring Well Installation Addendum. On May 9, 2006, ACEH responded to the Workplan

Addendum by noting that while certain elements had not been fully addressed as requested in the November 18th letter, APEX should proceed with the well installation.

On December 7, 2006, ACEH issued a letter stating that they had not received the requested Soil and Groundwater Investigation Report, and that the Site was out of compliance.

On December 13, 2006, Closure Solutions, Inc. became the consultant of record for the Site and initiated the proposed site investigation requested by ACEH.

2.0 STRATIGRAPHY AND HYDROGEOLOGY

According to Geology of the Southeastern Livermore Valley (J.J. Sweeney and J.E. Springer, 1982), the rock units identified in the area are predominantly of the Franciscan Assemblage, Great Valley Sequence, and Tertiary to Quarternary age marine and non-marine sediments. The area has been extensively folded and faulted. The Livermore Valley itself is a structural depression within the Diablo Range. The floor of the valley is predominantly composed alluvial lake and swamp deposits, consisting of gravels, sands, silts and clays. Regional groundwater flow direction is generally toward the southwest.

3.0 PRELIMINARY FIELD ACTIVITIES

Prior to initiating field activities, Closure Solutions obtained the necessary well installation permits from the Zone 7 Water Agency and the City of Livermore (provided in Attachment B). The wells proposed by APEX in the center of Airway Boulevard (City of Livermore right-of-way) were not installed due to safety concerns and the proximity of utility lines. Closure Solutions attempted to negotiate access in the vacant lot across Airway Boulevard, however access was denied. Closure Solutions then attempted to gain access to the City of Livermore right-of-way bordering the vacant lot. Access to the right-of-way was granted, however several utilities were found to be present in the right-of way. Closure Solutions contacted ACEH to describe the challenges associated with identifying acceptable drilling location, and ACEH responded that it would be acceptable to not pursue installation of these wells at this time.

As required by the City of Livermore, a Pedestrian Control Plan was prepared prior to initiating work at the Site. Closure Solutions also prepared a Site-specific Health and Safety Plan (HASP), and conducted a subsurface utility clearance before initiating field work. The utility clearance included notifying Underground Service Alert (USA) of the pending work a minimum of 48-hours prior to initiating the field investigation, and securing the services of a private utility

locating company, Cruz Brothers of Scotts Valley, California, to confirm the absence of underground utilities at each boring location using electromagnetic methods.

4.0 FIELD INVESTIGATION

4.1 SOIL BORING ADVANCEMENT AND WELL INSTALLATION

On February 14 through February 16, 2007, Closure Solutions observed Gregg Drilling and Testing, Inc. (Gregg) of Signal Hill, California advanced one boring (B-5D) and install five groundwater monitoring wells (MW-1 through MW-5) utilizing 8-inch outer-diameter hollow stem augers. Prior to advancing the augers, Gregg physically cleared each boring location to five feet bgs using a hand auger. Well locations are shown on Figure 1.

As noted above, APEX had originally proposed an additional two groundwater monitoring wells to be installed in the median of Airway Boulevard. These two wells were not installed due to the presence of utilities.

Boring B-5D was originally proposed as a deep well, MW-5D. After drilling to 85 feet bgs, a second water bearing zone was not observed. Approximately 45 feet of silty clay and clayey silt were observed from a depth of 35 feet bgs to 80 feet bgs. On February 14, 2007, Mr. Ronald Chinn (Closure Solutions) contacted Mr. Wickham to inform him that a deeper water bearing zone was not found, and stated that the silty clay and clayey silt observed from 35 to 80 feet bgs appeared to represent a competent aquitard. Mr. Wickham stated that if Closure Solutions believed that the aquitard was competent enough to protect against downward migration of contaminants, further exploration to identify a deeper aquifer may be discontinued at Closure Solutions' discretion.

Following the conversation with Mr. Wickham, Ms. Shannon Couch, Closure Solutions geologist, spoke with Mr. Wyman Hong of Zone 7 Water Agency to request boring logs of deep wells in the area to determine whether a deep water bearing zone is in use in the surrounding area. Mr. Hong told Ms. Couch that the agency did not have any logs for deep wells in the area surrounding the Site, implying that a deeper aquifer was not known to be present. As a result, further advancement of boring B-5D was discontinued at 85 feet, and the boring was filled to surface grade with a neat cement grout. A monitoring well was not installed at this location.

Augers were advanced to a total depth of 85 feet bgs in B-5D and to a total depth of approximately 35 feet bgs in wells MW-1 through MW-5. Boring B-5D was continuously cored from 35 feet to 85 feet bgs. Soil samples were collected every five feet in each of the borings to

the total depth explored. Soil samples were field screened for the presence of residual petroleum hydrocarbon vapor concentrations using a photo-ionization detector (PID), and classified according to the Unified Soil Classification System and examined using visual and manual methods for parameters including odor, staining, color, grain size, and moisture content. Soil samples were submitted for laboratory analysis as described in Section 5.0.

The monitoring wells were constructed with 2-inch diameter schedule 40 polyvinyl chloride (PVC) blank casing and a 15 foot long 0.010-inch PVC well screen. The screened interval of wells MW-1, MW-3, and MW-5 extended from approximately 20 feet to 35 feet bgs, and the screens of wells MW-2 and MW-4 extended from approximately 19 feet to 34 feet bgs, based on first encountered groundwater. The wells were completed with #2/12 filter pack placed within the annulus of the well from the bottom of the boring to approximately 2 foot above the top of the well screen, followed a two foot bentonite transition seal, and neat cement to ground surface.

Each soil sample collected was covered at each end with Teflon™ sheeting, capped with plastic end caps, labeled, and placed in an ice-filled cooler for preservation. All samples were placed in an ice-filled cooler and submitted under chain-of-custody protocol to Kiff Analytical of Davis, California.

4.2 GEOLOGY AND HYDROGEOLOGY

Based on field observations, the subsurface lithology in each boring consists primarily of fine-grained sediments such as clayey silt, silty clay, sandy clayey silt, clayey sandy silt and sandy silt to the total depth explored (85 feet bgs). At approximately 25 to 30 feet bgs, a layer of higher permeability silty gravelly sand and sandy silts were observed in borings B-5D, MW-2 and MW-3. Groundwater stabilized at approximately 24 feet bgs in wells MW-1, MW-3, and MW-5. Groundwater stabilized at approximately 23.5 feet in wells MW-2 and MW-4. Boring logs are presented as Attachment C.

4.3 WASTE DISPOSAL

Investigation derived waste (IDW) generated during well installation activities was temporarily stored on-site in 55-gallon, DOT-approved 17H drums. Following the completion of waste characterization, Belshire Environmental Services of Foothill Ranch, California a licensed waste hauler, transported the IDW to TPS in Adelanto, California, for proper disposal.

4.4 WELL DEVELOPMENT

After allowing the wellheads and grout to cure for at least 48-hours, Blaine Tech Services (Blaine) of Sacramento, California measured the total depth and depth to water in each well using a water level indicator calibrated to within 0.01 foot. Blaine also check for the presence of separate phase hydrocarbons (free product) in each well using an interface probe capable of detecting free product thicknesses to 1 millimeter. Free product was not observed to be present in any Site monitoring well.

Blaine developed each well by alternately swabbing and surging the well using a hand held surge block, then removed 8 to 10 casing volumes of water from each well by pumping and/or bailing. Water quality parameters such as pH, turbidity, temperature, and conductivity were measured, and a groundwater sample was collected for analysis. Well development and sampling field data sheets are provided in Attachment D.

4.5 SURVEYING

On March 16, 2007, Virgil Chavez Land Surveying, A California-licensed land surveyor based in Vallejo, California performed a Site survey to locate the newly installed wells in accordance with GeoTracker requirements. The locations of the wells and corresponding coordinates and elevations are presented in Figure 2. Land surveyor coordinate data is presented in Attachment E.

5.0 SOIL ANALYTICAL RESULTS

A total of 26 soil samples were collected from borings MW-1 through MW-5 and soil boring B-5D. All samples were analyzed by Kiff for total petroleum hydrocarbons as gasoline (TPHg), total petroleum hydrocarbons as diesel (TPHd), benzene, toluene, ethylbenzene, and total xylenes (BTEX constituents) and the fuel additives Methyl-tertiary butyl ether (MTBE), Tert-butyl Alcohol (TBA), Di-isopropyl Ether (DIPE), Ethyl-tertiary butyl ether (ETBE), Tertiary-amyl methyl ether (TAME), 1,2-Dicholorethane (1,2-DCA), 1,2-Dibromoethane (EDB), methanol, and ethanol. Laboratory analytical reports and chain-of-custody records are presented in Attachment F.

Soil analytical results are presented on Table 1, and can be summarized as follows:

- TPHg was not detected in any of the twenty-six soil samples collected at concentrations at or above laboratory reporting limits.

- TPHd was detected in 5 of the twenty-six soil samples collected at concentrations ranging from 1.4 mg/kg (MW-4-15 and B-5D-80) to 10 mg/kg (MW-2-24). However is important to note that Kiff Analytical stated in their case narrative that the hydrocarbons reported as TPHd do not exhibit a typical diesel chromatographic pattern. These hydrocarbons are higher boiling than typical diesel fuel.
- No benzene, toluene, ethylbenzene, or total xylenes were detected in any of the twenty-six soil samples collected at concentrations at or above laboratory reporting limits.
- MTBE was detected in two of the twenty-six soil samples collected at concentrations ranging from 0.014 mg/kg (B-5D-15) to 0.025 mg/kg (B-5D-24).
- No other fuel additives (ETBE, TBA, TAME, DIPE, ethanol or methanol) were detected in the twenty-six soil samples collected at concentrations at or above the laboratory reporting limits.
- No lead scavengers (1,2-DCA and EDB) were detected in the twenty-six soil samples collected, at concentrations at or above the laboratory reporting limits.

6.0 GROUNDWATER ANALYTICAL RESULTS

Following well development groundwater samples were collected from wells MW-1 through MW-5. All samples were analyzed by Kiff for TPHg, TPHd, BTEX constituents and the fuel additives MTBE, TBA, DIPE, ETBE, TAME, 1,2-DCA, EDB, methanol, and ethanol. Laboratory analytical reports and chain-of-custody records are presented in Attachment F.

Groundwater analytical results are presented on Tables 2 and 3, and can be summarized as follows:

- TPHg was not detected in any of the five groundwater samples collected at concentrations at or above laboratory reporting limits.
- TPHd was not detected in any of the five groundwater samples collected at concentrations at or above laboratory reporting limits.
- Benzene was detected in one of the five groundwater samples collected at a concentration of 3.8 ug/L (MW-1).
- Toluene, ethylbenzene, and total xylenes were not detected in any of the five groundwater samples collected at concentrations at or above laboratory reporting limits.

- MTBE was detected in four of the five groundwater samples collected at concentrations ranging from 1.5 ug/L (MW-2) to 14 ug/L (MW-5).
- No other fuel additives (ETBE, TBA, TAME, DIPE, ethanol or methanol) were detected in the five groundwater samples collected, at concentrations at or above the laboratory reporting limits.
- No lead scavengers (1,2-DCA and EDB) were detected in the five groundwater samples collected at concentrations at or above the laboratory reporting limits.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The purpose of this investigation was to install groundwater monitoring wells to evaluate the lateral and vertical extent of petroleum hydrocarbons in groundwater at the Site. Concentrations of petroleum hydrocarbons in soil and groundwater were found to be relatively low.

The only constituents of concern present above laboratory detection limits in soil were found to be TPHd and MTBE. TPHd was present in 5 of 26 soil samples up to a maximum concentration of 10 mg/kg, found at 24 feet below ground surface in boring MW-2. The Region 2 Environmental Screening Level (ESL) for TPHd is 100 mg/kg, based on deep groundwater in commercial land use (ESL Volume 1, Table C). Because TPHd is present at concentrations below the ESL threshold value, TPHd at the Site is not reasonably considered to pose a threat to human health and the environment.

MTBE was found to be present in only 2 of 26 soil samples collected at the Site at concentrations of 0.014 mg/kg (boring B-5D at 15 feet bgs) and 0.025 mg/kg (boring B-5D at 24 feet bgs). The Region 2 Environmental Screening Level (ESL) for MTBE is 0.024 mg/kg, based on deep groundwater in commercial land use (ESL Volume 1, Table C). While the maximum concentration identified at the Site is 0.001 mg/kg above the ESL threshold value from the Lookup Tables, the observed concentration is not likely to pose a threat to human health and the environment. Closure Solutions believes that if a Tier II Risk Based Corrective Action (RBCA) were to be performed at the Site using actual Site data (such as porosity, soil type, etc.) instead of the default parameters used to generate the ESL Lookup Tables, the concentration of MTBE present in soil would fall beneath the risk based threshold value.

The only constituents of concern present above laboratory detection limits in groundwater were found to be benzene and MTBE. Benzene was present in one of five groundwater samples, at a

concentration of 3.8 ug/L (MW-1). The CalEPA Primary Maximum Contaminant Level (MCL) for benzene is 1.0 ug/L. The USEPA Primary MCL for benzene is 5.0 ug/L. While the concentration benzene observed in groundwater exceeds the CalEPA Primary MCL, the concentration is considered to be low. It is unlikely that the concentrations of benzene found in groundwater poses a significant threat to human health and welfare.

MTBE was found to be present in four of five groundwater samples collected at the Site, with concentrations ranging from 1.5 to 14 ug/L. Of these four detections, only one sample exhibited concentrations in excess of the CalEPA Primary MCL for MTBE (13 ug/L). This well, MW-5, is located immediately west of the dispenser islands. While the concentration MTBE observed in groundwater exceeds the CalEPA Primary MCL, the concentration is considered to be low. It is unlikely that the concentrations of MTBE found in groundwater poses a significant threat to human health and welfare.

Based on the soil and groundwater data collected from the field investigation, Closure Solutions believes that the concentrations of petroleum hydrocarbons do not represent an unreasonable risk to human health and the environment. Because of this, Closure Solutions recommends that groundwater at the Site be monitored over one hydrologic cycle (one year) to confirm the extent of contamination. If concentrations of the identified contaminants remain similar across one hydrologic cycle, Closure Solutions would recommend the Site for No Further Action status.

Closure Solutions understands that there are two outstanding issues that need to be resolved at the Site, including 1) the final disposition of impacted soils from the Dispenser and Product Line Removal activities in 2001, and 2) resolution of discrepancies found in the Detailed Well Survey submitted on December 19, 2002. These items are discussed in ACEH's November 18, 2005 letter to Mr. Gil Moore as items 1 and 6, respectively. Closure Solutions will address these issues in a forthcoming report.

8.0 LIMITATIONS

This report is based on Site conditions, data, and other information available as of the date of the report, and the conclusions and recommendations herein are only applicable only to the time frame in which the report was prepared. Background information used to prepare this report including, but not limited to, previous field measurements, analytical results, Site plans and other data have been furnished to Closure Solutions by New West Stations and their previous consultants. Closure Solutions has relied on this information as furnished, and is neither responsible for nor has confirmed the accuracy of this information.

Analytical data used to prepare this report has been provided by an approved California Certified Laboratory. Closure Solutions has not performed an independent review of the data and is neither responsible for nor has confirmed the accuracy of this data.

If you have any questions or concerns, please contact Mr. Ronald Chinn at (925) 348-0656.

Sincerely,

Closure Solutions, Inc.

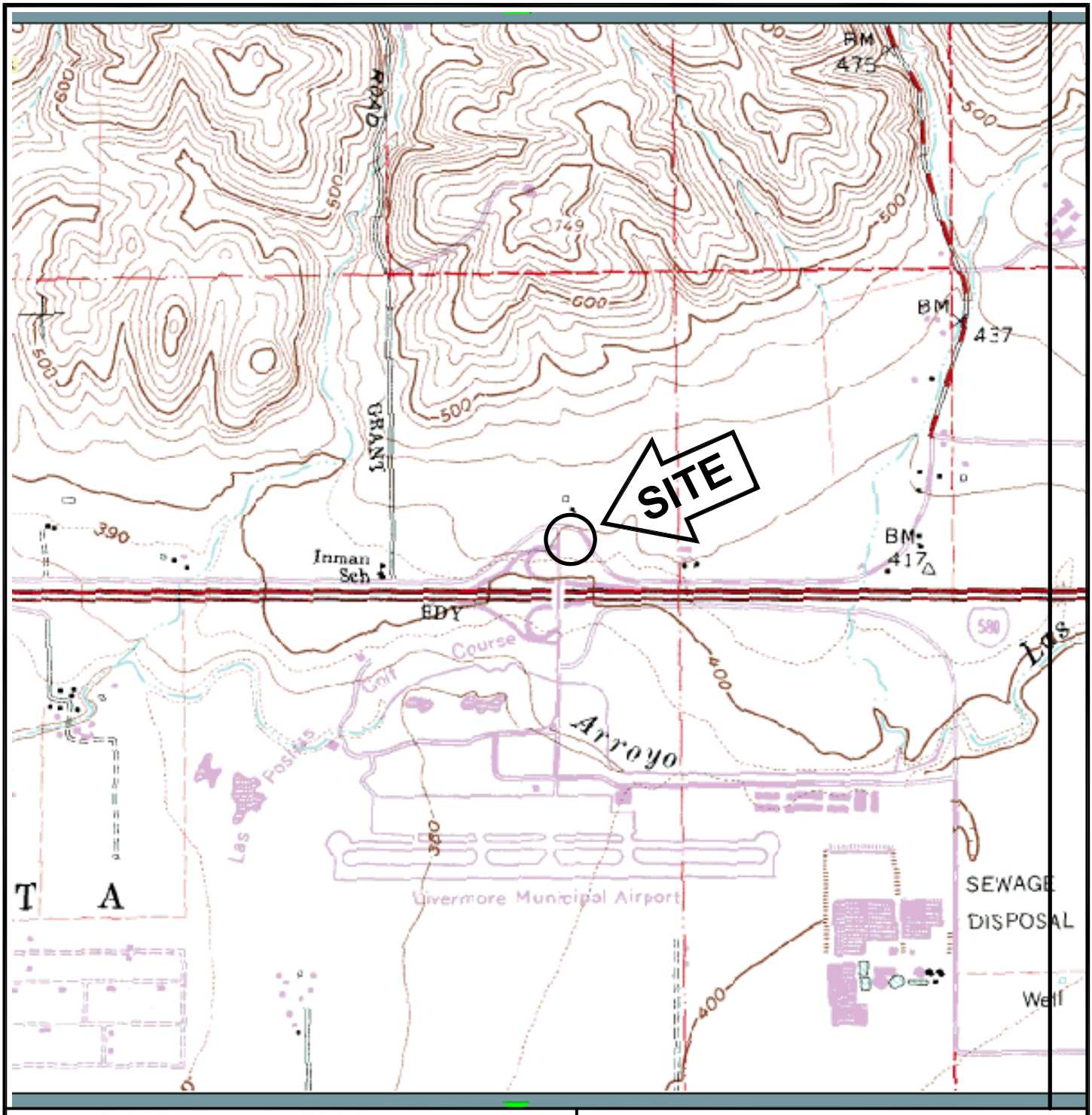
Ronald D. Chinn, P.E.
Principal Engineer

ATTACHMENTS:

Figure 1	Site Location Map
Figure 2	Well Location Map
Table 1	Soil Analytical Data
Table 2	Groundwater Analytical Data - (TPHg, TPHd, BTEX)
Table 3	Groundwater Analytical Data – (Fuel Oxygenates and Additives)

Attachment A – ACEH Work Plan Approval Letter
Attachment B – Investigation Permits
Attachment C – Lithologic Logs and Well Construction Details
Attachment D – Well Development & Sampling Field Data Sheets
Attachment E – Land Surveyor Coordinate Data
Attachment F – Laboratory Analytical Reports and Chains of Custody

cc: New West Stations, Inc., 1831 16th Street, Sacramento, California, 96814



SCALE IN MILES

0 0.25 0.5

NOTES:

1. BASEMAP SOURCE: USGS TOPOGRAPHIC MAP ALBION, CALIFORNIA QUADRANGLE, 1:24,000 SERIES

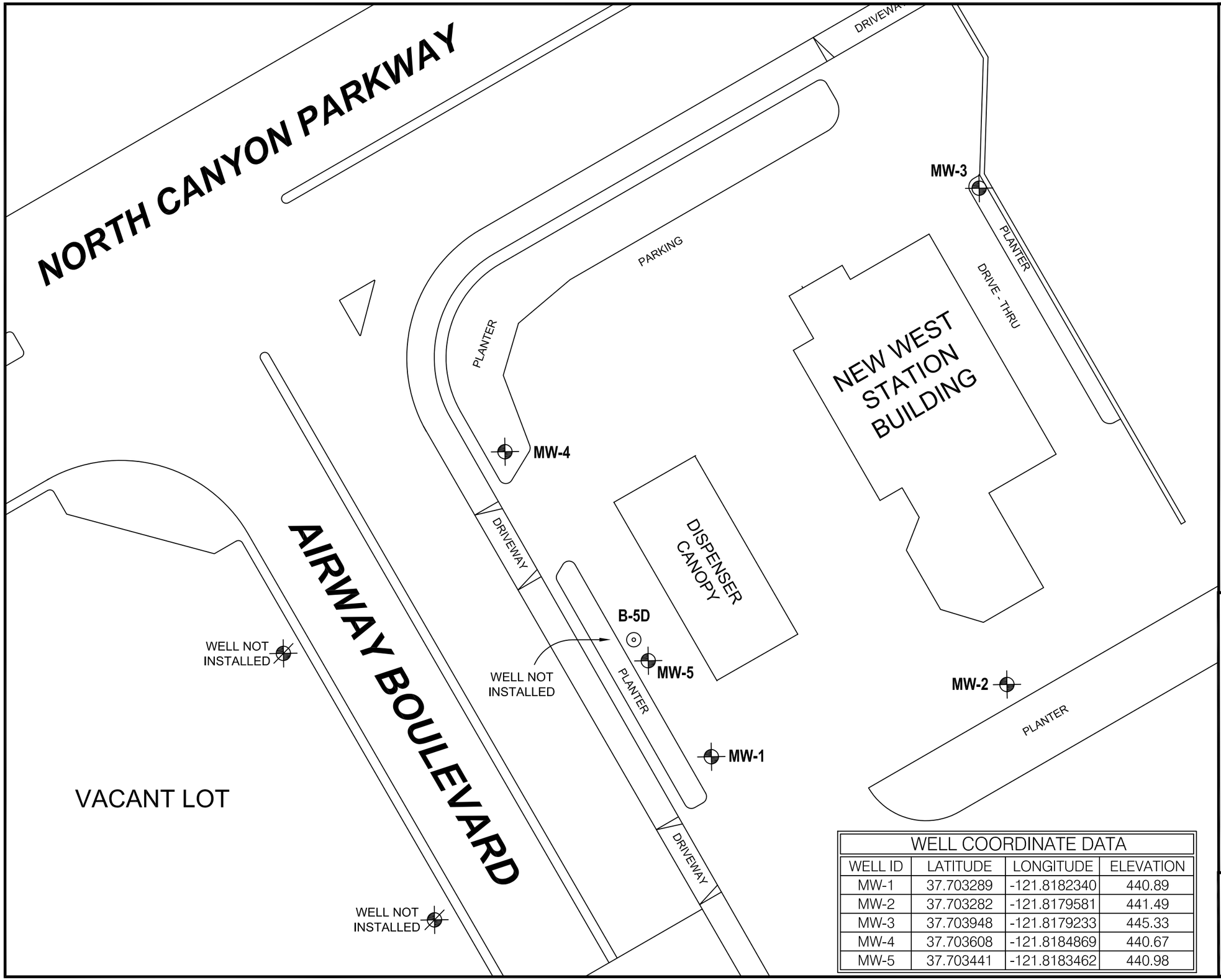
FIGURE 1

SITE LOCATION MAP

NEW WEST STATIONS, INC.
1051 AIRWAY BOULEVARD
LIVERMORE, CALIFORINA

CLOSURE SOLUTIONS, INC.

1243 Oak Knoll Drive • Concord
California • 94521
Phone: (925) 348-0656 • Fax: (925) 459-5602



N

SCALE IN FEET

0 40 80

LEGEND:

- GROUNDWATER MONITORING WELL
- SOIL BORING (WELL NOT INSTALLED)
- WELL NOT INSTALLED

NOTES:

1. BASEMAP SOURCE: GOOGLE EARTH
2. WELL COORDINATE DATA: VIRGIL CHAVEZ LAND SURVEYING, 3/19/07

WELL COORDINATE DATA

WELL ID	LATITUDE	LONGITUDE	ELEVATION
MW-1	37.703289	-121.8182340	440.89
MW-2	37.703282	-121.8179581	441.49
MW-3	37.703948	-121.8179233	445.33
MW-4	37.703608	-121.8184869	440.67
MW-5	37.703441	-121.8183462	440.98

FIGURE 2

WELL LOCATION MAP

March 2007

NEW WEST STATIONS, INC.
1051 AIRWAY BLVD
LIVERMORE, CA

CLOSURE SOLUTIONS, INC.
1243 Oak Knoll Drive • Concord
California • 94521
Phone: (925) 348-0656 • Fax: (925) 459-5602

Table 1
Soil Analytical Data

New West Station's Inc. -Bernard's Gas
1051 Airway Boulevard
Livermore, California

Sample ID	Date Sampled	Sample Depth (feet bgs)	TPH-g (mg/kg)	TPH-d (mg/kg	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	Ethanol (mg/kg)	Methanol (mg/kg)
MW1-15	02/16/07	15	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
MW-1-20	02/16/07	20	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
MW-1-24	02/16/07	24	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
MW-1-35	02/16/07	35	ND<1.0	**3.9**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
MW-2-15	02/16/07	15	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
MW-2-20	02/16/07	20	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
MW-2-24	02/16/07	24	ND<1.0	**10**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
MW-2-34	02/16/07	34	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
MW-3-15	02/15/07	15	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
MW-3-20	02/15/07	20	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
MW-3-25	02/15/07	25	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
MW-3-35	02/15/07	35	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
MW-4-15	02/16/07	15	ND<1.0	**1.4**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
MW-4-20	02/16/07	20	ND<1.0	ND<1.0	ND<0.025	ND<0.025	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
MW-4-24	02/16/07	24	ND<1.0	ND<1.0	ND<0.050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
MW-4-34	02/16/07	34	ND<1.0	**2.4**	ND<0.050	ND<0.050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
B-5D-15	02/14/07	15	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	**0.014**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
B-5D-20	02/14/07	20	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
B-5D-24	02/14/07	24	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	**0.025**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
B-5D-40	02/14/07	40	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
B-5D-45	02/14/07	45	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
B-5D-55	02/14/07	55	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
B-5D-65	02/14/07	65	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20

Table 1
Soil Analytical Data

New West Station's Inc. -Bernard's Gas
1051 Airway Boulevard
Livermore, California

Sample ID	Date Sampled	Sample Depth (feet bgs)	TPH-g (mg/kg)	TPH-d (mg/kg	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	Ethanol (mg/kg)	Methanol (mg/kg)
B-5D-75	02/14/07	75	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
B-5D-80	02/14/07	80	ND<1.0	**1.4**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20
B-5D-85	02/14/07	85	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.20

Notes:

Analysis performed by Kiff Analytical, Davis, California

Hydrocarbons reported as TPH-d do not exhibit typical diesel chromatographic pattern for samples MW-1-35, MW-2-24, MW-4-15, MW-4-34, and B-5D-80. These hydrocarbons are higher boiling than typical diesel fuel.

TPH-g = Total Petroleum Hydrocarbons as gasoline analyzed by EPA Method 8260B
BTEX = Benzene, toluene, ethylbenzene, and total xylenes, EPA Method 8260B
MTBE = Methyl tert-butyl ether by EPA Method 8260B
TBA = Tert butyl alcohol, by EPA Method 8260B
DIPE = Di-isopropyl ether, by EPA Method 8260B
ETBE = Ethyl tert-butyl ether, by EPA Method 8260B
TAME = Tert-Amyl methyl ether, by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane, by EPA Method 8260B
EDB = 1,2-Dibromoethane, by EPA Method 8260B
Ethanol = Ethanol, by EPA Method 8260B
Methanol = Methanol, by EPA Method 8260B
ND< = Not detected at or above specified laboratory reporting limit
NA = Not analyzed
mg/kg = milligrams per kilogram

Table 2
Water Analytical Data - TPHg, TPHd, BTEX

New West Stations Inc., - Bernard's Gas
1051 Airway Boulevard
Livermore, California

Sample ID	Date Sampled	Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-g (ug/L)	TPH-d (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)
MW-1	03/16/07	440.89	22.04	418.85	ND<50	ND<50	**3.8**	ND<0.50	ND<0.50	ND<0.50
MW-2	03/16/07	441.49	22.50	418.99	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-3	03/16/07	445.33	24.90	420.43	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-4	03/16/07	440.67	21.10	419.57	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-5	03/16/07	440.98	21.67	419.31	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Notes:

Analysis performed by Kiff Analytical, Davis, California

TPH-g = Total Petroleum Hydrocarbons as gasoline analyzed by EPA Method 8260B
TPH-d = Total Petroleum Hydrocarbons as diesel analyzed by EPA Method 8015B
BTEX = Benzene, toluene, ethylbenzene, and total xylenes, EPA Method 8260B
MTBE = Methyl tert-butyl ether by EPA Method 8260B
ND< = Not detected at or above specified laboratory reporting limit
ug/L = micrograms per liter

Table 3
Water Analytical Data - Fuel Oxygenates & Additives

New West Stations Inc., - Bernard's Gas
1051 Airway Boulevard
Livermore, California

Sample ID	Date Sampled	Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	MTBE (ug/L)	TBA (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Methanol (ug/L)	Ethanol (ug/L)
MW-1	03/16/07	440.89	22.04	418.85	**2.8**	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<50	ND<5.0
MW-2	03/16/07	441.49	22.50	418.99	**1.5**	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<50	ND<5.0
MW-3	03/16/07	445.33	24.90	420.43	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<80	ND<9.0
MW-4	03/16/07	440.67	21.10	419.57	**5.9**	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<50	ND<5.0
MW-5	03/16/07	440.98	21.67	419.31	**14**	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<50	ND<5.0

Notes:

Analysis performed by Kiff Analytical, Davis, California

TBA = Tert butyl alcohol, by EPA Method 8260B
DIPE = Di-isopropyl ether, by EPA Method 8260B
ETBE = Ethyl tert-butyl ether, by EPA Method 8260B
TAME = Tert-Amyl methyl ether, by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane, by EPA Method 8260B
EDB = 1,2-Dibromoethane, by EPA Method 8260B
Ethanol = Ethanol, by EPA Method 8260B
ND< = Not detected at or above specified laboratory reporting limit
ug/L = micrograms per liter

ATTACHMENT A

ACEH Work Plan Approval Letter

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

December 7, 2006

Mr. Gil Moore
New West Stations, Inc.
1831 16th Street
Sacramento, CA 95814

Subject: Fuel Leak Case No. RO0002440, Bernard's Gas, 1051 Airway Blvd., Livermore, CA

Dear Mr. Moore:

Alameda County Environmental Health (ACEH) staff previously requested in correspondence dated May 9, 2006 (copy attached) that you proceed with the proposed well installation, address the technical comments in the correspondence, submit a soil and groundwater investigation report, and conduct quarterly groundwater. The soil and groundwater investigation report was due on September 15, 2006. To date, we have not received the soil and groundwater investigation report or a request for a schedule extension. **Your site is out of compliance with directives from this agency**.

In order for your site to return to compliance, please **submit the previously requested Soil and Groundwater Investigation Report by February 28, 2007**. This date is not an extension of your due date, reports for this site are late and your site is out of compliance. ACEH's May 9, 2006 correspondence, which describes the requirements for the work, is included as an attachment. Due to the lack of compliance with ACEH requests, ACEH recommends that the Underground Storage Tank Cleanup Fund no longer reimburse you for future work until the site is brought back into compliance.

Please note that we have started the enforcement process on this case by requesting a revocation of your eligibility to receive grant money from the state's Underground Storage Tank Fund (Senate Bill 2004) to reimburse you for the cost of investigation and cleanup. Further delays in investigation, late reports, or enforcement actions may result in referral of your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **January 31, 2007** – Complete Field Investigation
- **February 28, 2007** – Soil and Groundwater Investigation Report

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program ftp site are provided on the attached "Electronic Report Upload (ftp) Instructions." Please do not submit reports as attachments to electronic mail.

Submission of reports to the Alameda County ftp site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. Submission of reports to the Geotracker website does not fulfill the requirement to submit documents to the Alameda County ftp site. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitor wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all necessary reports was required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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 all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

Sincerely,

Jerry Wickham
Hazardous Materials Specialist

Attachment: ACEH Correspondence Dated May 9, 2006 Requesting Revised Work Plan

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Colleen Winey, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway, Livermore, CA 94551

Sunil Ramdass, SWRCB Cleanup Fund, 1001 I Street, 17th floor, Sacramento, CA 95814-2828

Shari Knieriem, SWRCB-USTCF, P.O. Box 944212, Sacramento, CA 94244

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street, Pleasanton, CA 94566

Jennifer Worsley, Apex Envirotech, Inc., 11244 Pyrites Way, Gold River, CA 95670

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

rchinn

From: Wickham, Jerry, Env. Health [jerry.wickham@acgov.org]
Sent: Tuesday, January 02, 2007 12:10 PM
To: rchinn
Cc: Marta Garcia
Subject: RE: New West Petroleum - 1051 Airway Blvd, Livermore

Ron,

The revised due dates proposed below are acceptable.

Regards,

Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
510-567-6791 phone
510-337-9335 fax
jerry.wickham@acgov.org

From: rchinn [mailto:rchinn@closuresolutions.com]
Sent: Tuesday, January 02, 2007 11:40 AM
To: Wickham, Jerry, Env. Health
Cc: 'Marta Garcia'
Subject: New West Petroleum - 1051 Airway Blvd, Livermore

Hi Jerry,

As you know, Closure Solutions has recently become the consultant of record for the New West Petroleum facility located at 1051 Airway Boulevard, in Livermore, California.

In your December 7, 2006 letter to Mr. Gil Moore, you had established certain due dates for upcoming environmental work, namely:

> January 31, 2007 – Complete Field Investigation
> February 28, 2007 – Soil and Groundwater Investigation Report

Unfortunately, we are unable to meet the initial deadlines due to driller availability. As discussed this morning, the earliest available drill date for the work is February 12-14, 2007. We would like to propose the following revised due dates:

> February 28, 2007 – Complete Field Investigation
> March 31, 2007 – Soil and Groundwater Investigation Report

If you are amenable to these revised due dates, please respond with your concurrence to this e-mail.

Also, as discussed, we have obtained drilling permits for the sitework, however we are still in the process of negotiating encroachment permit terms for the two wells in Airway Boulevard. We will keep you advised of the encroachment permit status.

If you have any questions, please give me a call at (925) 348-0656.

Thanks,
--Ron

Ronald D. Chinn, PE
Principal Engineer

Closure Solutions, Inc.
1243 Oak Knoll Drive
Concord, California 94521
Phone: (925) 348-0656
Fax: (925) 459-5602

ATTACHMENT B

Investigation Permits

Zone 7
Alameda County Flood Control
&
Water Conservation District

100 North Canyons Parkway □ Livermore, California 94551 □ Phone (925) 454-5000 □ Fax (925) 454-5728

Telefax Transmittal

Date:	1/31/07
Deliver To:	Shannon Couch
Name of Firm:	Closure Solutions
Fax Number:	(925) 459-5602
From:	Wyman Hong
Number of Pages:	3 (Including Cover Page)

For Direct Contact Call: (925) 454-5056

For Return Fax: (925) 454-5728

Remarks:

Drilling permit 27027 for a monitoring well construction project at 1051 Airway Boulevard in Livermore for New West Stations.

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT BERNARDS GAS
1051 AIRWAY BOULEVARD
LIVERMORE, CA

California Coordinates Source _____ ft. Accuracy ☐ _____ ft.
CCN _____ ft. CCE _____ ft.
APN 905 - 0009 - 045 - 00

CLIENT
Name GILMORE, NOW WEST STATIONS
Address 1831 16TH STREET Phone
City SACRAMENTO Zip 95814

APPLICANT
Name SHANNON COUCH - CLOSURE SOLUTIONS, INC Fax 925-459-5602
Address 1243 OAKWOOD DRIVE Phone 510-798-8314
City CONCORD Zip 94521

TYPE OF PROJECT

☒ Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☐
Monitoring	☒	Well Destruction	☐

PROPOSED WELL USE

New Domestic	☐	Irrigation	☐
Municipal	☐	Remediation	☐
Industrial	☐	Groundwater Monitoring	☒
Dewatering	☐	Other _____	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Hollow Stem Auger	☒
Cable Tool	☐	Direct Push	☐	Other _____	☐

DRILLING COMPANY GREGG DRILLING
DRILLER'S LICENSE NO. C57 485105

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2 in. Depth 35 ft.
Surface Seal Depth 16 ft. Number 7
* ONE ADDITIONAL DEEP WELL - DEPTH WILL BE BASED ON LITHOLOGY ~100'.

SOIL BORINGS
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE FEB 12TH, 2007
ESTIMATED COMPLETION DATE FEB 16TH, 2007

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
APPLICANT'S SIGNATURE _____ Date 1/12/07
Shannon Couch

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 27027
WELL NUMBER 3S/1E-1F3 (MW-2), 1F4 (MW-3), 1F5 (MW-5S), 1F6 (MW-7), 1F7 (MW-6), 1F8 (MW-5D), 1F9 (MW-1) & 1F10 (MW-4)
APN 905-0009-045-00

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
4. A sample port is required on the discharge pipe near the wellhead.

(C.) GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

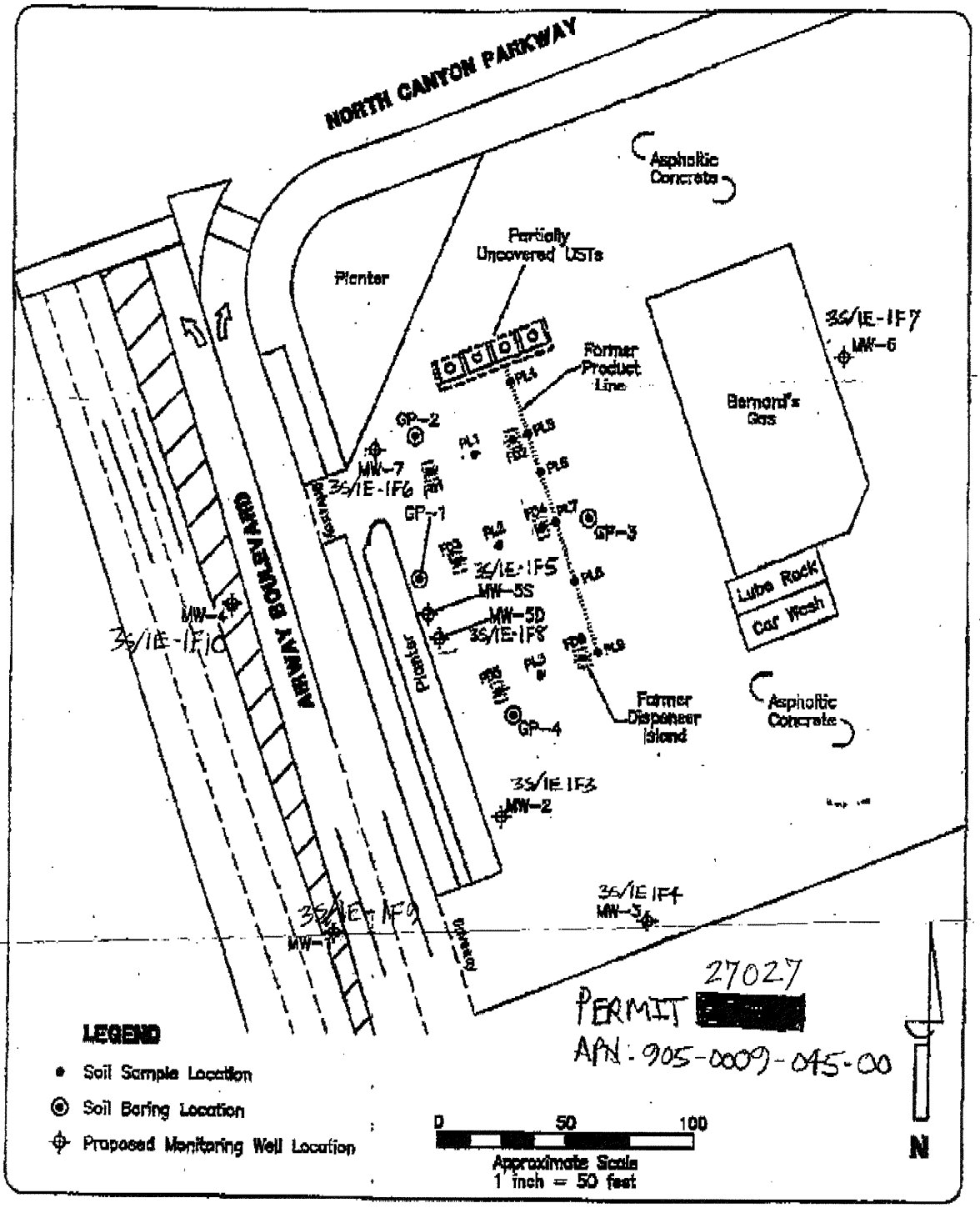
E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after the completion of permitted work the well installation report including all soil and water laboratory analysis results.
* 8 WELLS TOTAL - MW-1 THROUGH MW-4, MW-5S, MW-5D, MW-6, MW-7

Approved Wyman Hong Date 1/31/07
Wyman Hong

Revised: April 27, 2005



APEX ENVIROTECH, INC	DRAWN BY: J. Curry DATE: 4/12/06 REVISIONS	**PROPOSED MONITORING WELL LOCATION MAP** Bernard's Gas 1051 Airway Boulevard Livermore, California	FIGURE 3 PROJECT NUMBER: NWP01.001

ATTACHMENT C

Lithologic Logs and Well Construction Details

Closure Solutions
1243 Oak Knoll Drive
Concord, CA 94521

BORING NUMBER MW-1

CLIENT New West Petroleum
PROJECT NAME New West Petroleum Facility- Livermore- Bernard's Gas
PROJECT NUMBER
PROJECT LOCATION 1051 Alrway Boulevard, Livermore, California
DATE STARTED 2/16/07 **COMPLETED** 2/16/07
GROUND ELEVATION 440.89 ft **HOLE SIZE** 8
DRILLING CONTRACTOR Gregg Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow-Stem Auger
AT TIME OF DRILLING 24.8 ft / Elev 416.1 ft
LOGGED BY Shannon Couch **CHECKED BY** RC
AT END OF DRILLING 24.0 ft / Elev 416.9 ft
NOTES Located southwest of the dispenser island next to the planter
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.8 CONCRETE-Surface 440.1	Locking Cap Traffic Rated Well Vault
					Clayey SILT- 30% clay, 65% silt, 5% sand, 10YR/4/3, brown, dry, soft, loose, dry, fine grained sand	
5					5.0 435.9	
	SS		0		Clayey SILT- 35% clay, 60% silt, 5% sand, 10YR/4/3, brown, dry, soft, loose, dry, fine grained sand	
					7.5 433.4	
10	SS		0		Clayer Sandy SILT- 30% clay, 60% silt, 10% sand, 10YR/4/3, brown, dry, medium stiff, medium dense, dry, fine grained sand	Portand I/II Cement Grout
					Same as above	2" Schedule 40 PVC Blank Casing
15	SS MW-1-15		6.0		Same as above	
						Bentonite Seal (16-18' bgs)
20	SS MW-1-20		1.8		20.0 420.9	
					Sandy Clayey SILT-20% clay, 55% silt, 25% sand, 10YR/4/3, brown, dry, medium stiff, medium dense, moist, fine grained sand	2/12 graded sand (18-35' bgs)
25	SS MW-1-24		1.7		25.0 415.9	2" 0.010 Schedule 40 PVC (20-35' bgs)
					Sandy Clayey SILT- 10% clay, 55% silt, 35% sand, 10YR/4/3, brown, moist to wet, medium stiff, medium dense, fine grained sands	
30	SS		1.2		30.0 410.9	
					Clayey Sandy SILT- 20% clay, 70% silt, 10% sand, 10YR/4/3, brown, wet, meduim stiff, medium dense, fine grained sand	
35	SS MW-1-35		0		35.0 405.9	Bottom Plug
					Bottom of hole at 35.0 feet.	

ENVIRONMENTAL BH NEWWEST LIVERMORE.GPJ GINT US.GDT 3/26/07

Closure Solutions
1243 Oak Knoll Drive
Concord, CA 94521

BORING NUMBER MW-2

CLIENT New West Petroleum
PROJECT NAME New West Petroleum Facility- Livermore- Bernard's Gas
PROJECT NUMBER
PROJECT LOCATION 1051 Alrway Boulevard, Livermore, California
DATE STARTED 2/16/07 **COMPLETED** 2/16/07
GROUND ELEVATION 449.49 ft **HOLE SIZE** 8
DRILLING CONTRACTOR Gregg Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow-Stem Auger
AT TIME OF DRILLING 24.0 ft / Elev 425.5 ft
LOGGED BY Shannon Couch **CHECKED BY** RC
AT END OF DRILLING 23.0 ft / Elev 426.5 ft
NOTES Located south of the dispener island near the planter
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		WELL DIAGRAM
0					0.8 CONCRETE-Surface	448.7	Locking Cap Traffic Rated Well Vault
					Clayey SILT- 30% clay, 65% silt, 5% sand, 10YR/4/3, brown, dry, soft, loose, dry, fine grained sand		
5					5.0	444.5	
	SS		0		Clayey Sandy SILT- 30% clay, 60% silt, 10% sand, 10YR/4/3, brown, dry, soft, loose, dry, fine grained sand		
					7.5	442.0	Portand I/II Cement Grout
10	SS		0		Clayey Sandy SILT- 30% clay, 60% silt, 10% sand, 10YR/4/3, brown, dry, medium stiff, medium dense, dry, fine grained sand		
					10.0	439.5	2" Schedule 40 PVC Blank Casing
					Sandy Clayey SILT- 15% clay, 50% silt, 35% sand, 10YR/4/3, brown, dry, medium stiff, loose, fine grained sand		
15	SS MW-2-15		0		15.0	434.5	
					Sandy Clayey SILT- 15% clay, 50% silt, 35% sand, 10YR/4/3, brown, moist, medium stiff, loose, fine grained sand		Bentonite Seal (16-18' bgs)
20	SS MW-2-10		0		20.0	429.5	
					Sandy SILT with trace gravel- 20% clay, 40% silt, 35% sand, 5% gravel, 10YR/4/3, brown, moist to wet, medium stiff, loose, fine grained sands, subangular gravels		
					▼ ▽		2/12 graded sand (18-35' bgs)
25	SS MW-2-24		0		25.0	424.5	2" 0.010 Schedule 40 PVC (20-35' bgs)
					Sandy Clayey SILT- 15% clay, 45% silt, 40% sand, 10YR/4/3, brown, wet, medium stiff, loose, fine grained sands		
30	SS		0		30.0	419.5	
					Clayey Sandy SILT- 30% clay, 55% silt, 15% sand, 10YR/4/3, brown, wet, meduim stiff, loose, fine grained sand		
	SS MW-2-34		0		34.0	415.5	Bottom Plug
					Bottom of hole at 34.0 feet.		

Closure Solutions
1243 Oak Knoll Drive
Concord, CA 94521

BORING NUMBER MW-3

CLIENT New West Petroleum
PROJECT NAME New West Petroleum Facility- Livermore- Bernard's Gas
PROJECT NUMBER
PROJECT LOCATION 1051 Alrway Boulevard, Livermore, California
DATE STARTED 2/15/07 **COMPLETED** 2/15/07
GROUND ELEVATION 445.33 ft **HOLE SIZE** 8
DRILLING CONTRACTOR Gregg Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow-Stem Auger
AT TIME OF DRILLING 24.7 ft / Elev 420.6 ft
LOGGED BY Shannon Couch **CHECKED BY** RC
AT END OF DRILLING 24.0 ft / Elev 421.3 ft
NOTES Located near the northern-most corner of the station building
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.8 CONCRETE-Surface 444.6	Locking Cap Traffic Rated Well Vault
					Clayey Sandy SILT- 15% clay, 75% silt, 10% sand, 10YR/4/3, brown, dry, soft, loose, dry, fine grained sand	
5					5.0 440.3	
	SS		0		Clayey SILT- 10% clay, 85% silt, 5% sand, 10YR/4/3, brown, dry, soft, loose, dry, fine grained sand	
					Same as above	Portand I/II Cement Grout
10	SS		0		10.0 435.3	
					Clayey SILT- 10% clay, 85% silt, 5% sand, 10YR/4/3, brown, dry, medium stiff, loose, damp, fine grained sand	2" Schedule 40 PVC Blank Casing
15	SS MW-3-15		0		15.0 430.3	
					Sandy SILT- 55% silt, 45% sand, 10YR/4/3, brown, moist, loose, soft, fine grained sand	Bentonite Seal (16-18' bgs)
20	SS MW-3-20		0		20.0 425.3	
					Clayey Sandy SILT- 20% clay, 60% silt, 15% sand, 10YR/4/3, brown, dry, medium stiff, loose, moist, fine grained sand	2/12 graded sand (18-35' bgs)
25	SS MW-3-25		0		25.0 420.3	2" 0.010 Schedule 40 PVC (20-35' bgs)
					Sandy SILT- 55% silt, 45% sand, 10YR/4/3, brown, wet, loose, soft, fine grained sand	
30	SS		0		30.0 415.3	
					Sandy SILT- 55% silt, 45% sand, 10YR/4/3, brown, wet, loose, soft, fine grained sand	
35	SS MW-3-35		0		35.0 410.3	Bottom Plug
					Bottom of hole at 35.0 feet.	

ENVIRONMENTAL BH NEWWEST LIVERMORE.GPJ GINT US.GDT 3/26/07

Closure Solutions
1243 Oak Knoll Drive
Concord, CA 94521

BORING NUMBER MW-4

CLIENT New West Petroleum
PROJECT NAME New West Petroleum Facility- Livermore- Bernard's Gas
PROJECT NUMBER
PROJECT LOCATION 1051 Alrway Boulevard, Livermore, California
DATE STARTED 2/16/07 **COMPLETED** 2/16/07
GROUND ELEVATION 440.67 ft **HOLE SIZE** 8
DRILLING CONTRACTOR Gregg Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow-Stem Auger
AT TIME OF DRILLING 24.0 ft / Elev 416.7 ft
LOGGED BY Shannon Couch **CHECKED BY** RC
AT END OF DRILLING 23.0 ft / Elev 417.7 ft
NOTES Located just north of the dispenser island and west of the USTs
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					0.8 CONCRETE-Surface 439.9	Locking Cap Traffic Rated Well Vault
					Clayey SILT- 30% clay, 65% silt, 5% sand, 10YR/4/3, brown, dry, soft, loose, dry, fine grained sand	
5					5.0 435.7	
	SS		0		Clayey Sandy SILT- 35% clay, 55% silt, 10% sand, 10YR/4/3, brown, dry, soft, loose, dry, fine grained sand	
					7.5 433.2	
					Clayey Sandy SILT- 30% clay, 60% silt, 10% sand, 10YR/4/3, brown, dry, medium stiff, medium dense, dry, fine grained sand	Portand I/II Cement Grout
10	SS		0		10.0 430.7	
					Clayey Sandy SILT- 30% clay, 55% silt, 15% sand, 10YR/4/3, brown, dry, medium stiff, loose, fine grained sand	2" Schedule 40 PVC Blank Casing
	SS					
15	MW-4-15		0		15.0 425.7	
					Clayey Sandy SILT- 30% clay, 60% silt, 10% sand, 10YR/4/3, brown, dry, medium dense, medium stiff dry, fine grained sand	Bentonite Seal (16-18' bgs)
	SS					
20	MW-4-20		0		20.0 420.7	
					Clayey Sandy Gravelly SILT- 15% clay, 60% silt, 15% sand, 10% gravel, 10YR/4/3, brown, moist, soft, loose, fine grained sands, subangular gravels	
					▼ ▽	2/12 graded sand (18-35' bgs)
	SS					
25	MW-4-24		0		Same as above-wet	2" 0.010 Schedule 40 PVC (20-35' bgs)
30	SS		0		30.0 410.7	
					Clayey Sandy SILT- 30% clay, 58% silt, 10% sand, 2% gravel, 10YR/4/3, brown, wet, meduim stiff, loose, fine grained sand	
	SS					
	MW-4-34		0		34.0 406.7	Bottom Plug
					Bottom of hole at 34.0 feet.	

Closure Solutions
1243 Oak Knoll Drive
Concord, CA 94521

BORING NUMBER MW-5

CLIENT New West Petroleum
PROJECT NAME New West Petroleum Facility- Livermore- Bernard's Gas
PROJECT NUMBER
PROJECT LOCATION 1051 Alrway Boulevard, Livermore, California
DATE STARTED 2/15/07 **COMPLETED** 2/15/07
GROUND ELEVATION 440.98 ft **HOLE SIZE** 8
DRILLING CONTRACTOR Gregg Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow-Stem Auger
AT TIME OF DRILLING 25.0 ft / Elev 416.0 ft
LOGGED BY Shannon Couch **CHECKED BY** RC
AT END OF DRILLING 24.0 ft / Elev 417.0 ft
NOTES Located just west of the dispenser island
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS (N VALUE)	PID (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					Same as Boring B-5D- Well was installed approximately one foot away from B-5D.	Locking Cap Traffic Rated Well Vault
5						
10						Portand I/II Cement Grout; 2" Schedule 40 PVC Blank Casing
15						
20						Bentonite Seal (16-18' bgs)
25					▼ ▽	2/12 graded sand (18-35' bgs); 2" 0.010 Schedule 40 PVC (20-35' bgs)
30						
35					35.0 406.0 Bottom of hole at 35.0 feet.	Bottom Plug

Closure Solutions
1243 Oak Knoll Drive
Concord, CA 94521

BORING NUMBER B-5D

CLIENT New West Petroleum
PROJECT NAME New West Petroleum Facility- Livermore- Bernard's Gas
PROJECT NUMBER
PROJECT LOCATION 1051 Alrway Boulevard, Livermore, California
DATE STARTED 2/14/07 **COMPLETED** 2/14/07
GROUND ELEVATION **HOLE SIZE** 8
DRILLING CONTRACTOR Gregg Drilling
GROUND WATER LEVELS:
DRILLING METHOD Hollow-Stem Auger
AT TIME OF DRILLING 25.0 ft
LOGGED BY Shannon Couch **CHECKED BY** RC
AT END OF DRILLING 25.0 ft
NOTES Located just west of the dispenser island
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0				CONCRETE		0.8 CONCRETE-Surface	
				ML		Clayey SILT- 25% clay, 70 % silt, 5% sand, fine grained sand, soft — 10 YR/4/4, brown, dry, low plasiticity,	
5						5.0	
	SS		4-9-16 (25)	ML		Clayey SILT- 15 % clay, 80% silt, 5% sand, 10YR/4/3, brown, dry , low plasticity, fine grained sand, soft	0
				ML		7.5 Clayey SILT- 15 % clay, 80% silt, 5% sand, 10YR/4/3, brown, dry , low plasticity, fine grained sand, soft	
10	SS		10-13-18 (31)			10.0	0
				ML		SILT -5% clay, 80 % silt, 5% sand, 10YR/4/3, brown, dry, low plasticity, fine grained sand, medium stiff, medium dense.	
15	SS B-5D-15	33	9-11-26 (37)			15.0	0
				ML		Sandy Clayey SILT- 15% clay, 70% silt, 15% sand, 10YR/4/3, brown, damp, low plasticity, fine grained sand, medium stiff, medium dense	
20	SS B-5D-20	33	9-10-13 (23)				0
				ML		Same as above	
25	SS B-5D-24	33	9-16-21 (37)			25.0 ▼	0
				SM		Silty Gravelly SAND- 25% silt, 65% sand, 10% gravel, 10YR/3/2, very dark grayish brown, moist, fine grained sand, medium subangular gravel, soft, loose	
30	SS		9-15-20 (35)			30.0	0
				ML		Clayey Sandy SILT- 25% clay, 65% silt, 10 % sand, 10YR/5/2, grayish brown, wet, low plasticity, fine grained sand, soft, loose	
35	SS		9-11-13 (24)				0
	SS		10-12-14 (26)	ML		Same as above	0
	SS		9-8-15 (23)	ML			0
	SS		10-8-12 (20)	ML		38.5	0
40	B-5D-40					40.0 Clayey SILT- 40% clay, 55% silt, 5% sand, 10YR/5/2, grayish brown, wet, medium plasticity, fine grained sand, stiff, dense	
	SS		9-13-17 (30)	ML		41.5 Clayey Sandy SILT- 30% clay, 55% silt, 15% sand, 10YR/4/3, grayish brown, wet, medium plasticity, fine grained sand, stiff, medium dense	0
	SS		9-11-19 (30)	ML		43.0 Clayey SILT- 40% clay, 55% silt, 5% sand, 10YR/5/2, grayish brown, medium plasticity, fine grained sand, stiff, dense	0
	SS		9-18-20 (38)	ML		44.5 same as above- moisture decreases	0
45							

(Continued Next Page)

Closure Solutions
1243 Oak Knoll Drive
Concord, CA 94521

BORING NUMBER B-5D

CLIENT New West Petroleum

PROJECT NAME New West Petroleum Facility- Livermore- Bernard's Gas

PROJECT NUMBER

PROJECT LOCATION 1051 Alrway Boulevard, Livermore, California

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
45	SS B-5D-45		10-14-19 (33)	ML		Clayey SILT- 35% clay, 55% silt, 10 % sand, 10YR/4/3, brown, dry, fine grained sand, medium plasticity, stiff, dense *(continued)*	0
	SS		11-18-23 (41)	ML		47.5 Same as above	0
	SS		13-15-19 (34)	ML		49.0 Clayey SILT- 40% clay, 55% silt, 5% sand, 10YR/4/3, brown, medium plasticity, dry, fine grained sand, stiff, dense	0
50	SS		13-16-20 (36)	ML		50.5 Clayey Sandy SILT- 35% clay, 55% silt, 10% sand, 10YR/4/3, brown, dry, fine grained sand, medium plasticity, very stiff, dense	0
	SS		8-13-17 (30)	ML		Clayey Sandy SILT- 35% clay, 50% silt, 15% sand, 10YR/4/3, brown, dry, fine grained sand, medium plasticity, very stiff, dense	0
	SS		16-17-17 (34)	ML		53.5 Same as above	0
55	SS		16-22-29 (51)	ML		Silty Sandy CLAY- 50% clay, 40% silt, 10% sand, 10YR/4/3, brown, dry, fine grained sand, medium plasticity, very stiff, dense	0
	SS B-5D-55		17-23-30 (53)	CL		56.5 Same as above	0
	SS		9-9-9 (18)	ML		Clayey Sandy SILT- 40% clay, 50% silt, 10% sand, 10YR/4/3, brown, medium plasticity, dry, fine grained sand, very stiff, dense	0
	SS		16-28-30 (58)	ML		Same as above	0
60	SS		18-19-21 (40)	ML			0
	SS		13-16-19 (35)	ML		62.5	0
	SS		14-16-20 (36)	ML		Clayey SILT- 45% clay, 50% silt, 5% sand, 10 YR/4/3, brown, medium plasticity, dry, fine grained sand,very stiff, dense	0
65	SS B-5D-65		15-17-20 (37)	ML		Same as above 65.5	0
	SS		10-16-22 (38)	CL		Silty Sandy CLAY- 55% clay, 35% silt, 10% sand, 10YR/4/3, brown, medium plasticity, dry, fine grained sand, very stiff, dense	0
	SS		8-13-20 (33)	CL			0
70	SS		6-13-19 (32)	CL		Same as above 70.0	0
	SS		7-16-18 (34)	CL		Silty CLAY- 55% clay, 35% silt, 5% sand, 10YR/4/3, brown, medium plasticity, dry, fine grained sand, very stiff, dense	0
	SS		8-14-19 (33)	CL		Same as above	0
75	SS B-5D-75		9-11-14 (25)	CL			0
	SS		9-11-13 (24)	CL			0
	SS		8-12-20 (32)	CL		77.5	0
80	SS B-5D-80		9-12-18 (30)	CL		Silty CLAY- 60% clay, 35% silt, 5% sand, 10YR/4/3, brown, high plasticity, dry, fine grained sand, very stiff, dense	0
	SS		9-13-20 (33)	CL		Same as above	0
	SS		10-12-19 (31)	CL			0
85	SS B-5D-85		9-15-20 (35)	CL			0
						85.0 Bottom of hole at 85.0 feet.	

GENERAL BH / TP / WELL NEWWEST LIVERMORE.GPJ GINT US.GDT 3/27/07

ATTACHMENT D

Well Development and Sampling Field Data Sheet

SPH or Purge Water Drum Log

Client: Closure Solutions

Site Address: New West Petroleum, 1051 Airway Blvd., Livermore

STATUS OF DRUM(S) UPON ARRIVAL						
Date	3/7/07	3/16/07				
Number of drum(s) empty:						
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:						
Number of drum(s) full:	23	2				
Total drum(s) on site:	23	2				
Are the drum(s) properly labeled?	yes	YES				
Drum ID & Contents:	CS/ soil	H_2O Purgeact				
If any drum(s) are partially or totally filled, what is the first use date:		3-7-07				

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.

-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.

-All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE						
Date	3/7/07	3/16/07				
Number of drums empty:						
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:		1				
Number of drum(s) 3/4 full:		Bad				
Number of drum(s) full:	25	2				
Total drum(s) on site:	25	3				
Are the drum(s) properly labeled?	yes	YES				
Drum ID & Contents:	H_2O purge	H_2O Purewater				

LOCATION OF DRUM(S)
Describe location of drum(s): Next to dumpsters (SE corner of facility)

FINAL STATUS						
Number of new drum(s) left on site this event	2	1				
Date of inspection:	3/7/07	3/16/07				
Drum(s) labelled properly:	yes	YES				
Logged by BTS Field Tech:	JF	MA				
Office reviewed by:	[illegible]	[illegible]				

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Closure Solutions @ New West Petroleum				PROJECT NUMBER 070316-MA1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
ULTRAMETER	602781	3/16/07 0745	pH 7.0 10.0 4.0	7.04 10.13 3.85	✓ ✓ ✓	60°F	MA
			Conductivity 3900uS	3871	✓		

WELLHEAD INSPECTION CHECKLIST

Date 3/16/07 Client Closure Solutions

Site Address 1051 Airway Blvd. Livermore

Job Number 070316 -MA 1 Technician MA

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1	✓							
MW-2	✓							
MW-3	✓							
MW-4	✓							
MW-5	✓							

NOTES:

WELL GAUGING DATA

Project # 070316-MA1 Date 3/16/07 Client CLOSURE SOLUTIONS

Site 1051 AIRWAY BLVD. LIVERMORE

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0810	2					22.04	34.60	TOC	
MW-2	0830	2					22.50	33.63	↓	
MW-3	0825	2					24.90	34.77	↓	
MW-4	0820	2					21.10	33.84	↓	
MW-5	0815	2					21.67	34.61	↓	

W ..L MONITORING DATA SHE. .

Project #: 070316-MA1	Client: Closure Solutions
Sampler: MA	Date: 3/16/07
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 34.60	Depth to Water (DTW): 22.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (TOC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.55	

12.56

Purge Method: Bailer, (Disposable Bailer), Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other: _____

20 (Gals.) X 3 = 6.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0912	66.5	6.8	2686	>1000	2	
0915	67.0	6.8	2781	>1000	4	
0918	67.3	6.8	2803	>1000	6	

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Date: 3/16/07 Sampling Time: 0925 Depth to Water: 23.43

Sample I.D.: MW-1 Laboratory: (Kiff) CalScience Other_____

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) (Oxygenates (5)) (Other: SEE SCOPE)

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

W EL MONITORING DATA SHE

Project #: 070316-MA1	Client: Closure Solutions
Sampler: MA	Date: 3/16/07
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 33.63	Depth to Water (DTW): 22.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.73	

11.13

Purge Method: Bailer, ~~Disposable Bailer~~, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other:_____

1.8 (Gals.) X	3	= 5.4 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0845	66.5	6.6	1365	>1000	2	
0849	67.2	6.8	1325	>1000	4	
0852	67.5	6.8	1321	>1000	5.5	

Did well dewater? Yes (No) Gallons actually evacuated: 5.5

Sampling Date: 3/16/07 Sampling Time: 0900 Depth to Water: 23.49

Sample I.D.: MW-2 Laboratory: (Kiff) CalScience Other_____

Analyzed for: (TPH-G) ~~BTEX~~ MTBE (TPH-D) (Oxygenates (5)) (Other: 5 tr scope)

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

W ..L MONITORING DATA SHE. .

Project #: 070316-MA1	Client: CLOSURE SOLUTIONS
Sampler: MA	Date: 3/16/07
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 34.77	Depth to Water (DTW): 24.90 (9.87)
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.87	

Purge Method: Bailer, (Disposable Bailer), Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other: ____

1.6 (Gals.) X	3	= 4.8 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1055	65.9	7.2	2028	>1000	2	
1058	66.2	7.1	1953	>1000	3.5	
1100	66.3	7.1	2007	>1000	5	

Did well dewater? Yes (No) Gallons actually evacuated: 5

Sampling Date: 3/16/07 Sampling Time: 1105 Depth to Water: 26.29

Sample I.D.: MW-3 Laboratory: (Kiff) CalScience Other____

Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) (Oxygenates (5)) (Other: SEE SCOPE)

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

W ..L MONITORING DATA SHE. .

Project #: 070316 - MA 1	Client: CLOSURE SOLUTIONS
Sampler: MA	Date: 3/16/07
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 33.84	Depth to Water (DTW): 21.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 23.65	

12.74

Purge Method: (Disposable Bailer)

Sampling Method: (Disposable Bailer)

Purge Method		Sampling Method	
Bailer	Waterra	Bailer	
(Disposable Bailer)	Peristaltic	(Disposable Bailer)	
Positive Air Displacement	Extraction Pump	Extraction Port	
Electric Submersible	Other_____	Dedicated Tubing	
		Other:	

2.0 (Gals.) X	3	= 6.0 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1023	66.0	7.1	1701	>1000	2	
1026	66.2	6.9	1697	>1000	4	
1029	66.5	6.9	1697	>1000	6	

Did well dewater? Yes (No)		Gallons actually evacuated: 6	
Sampling Date: 3/16/07	Sampling Time: 1035	Depth to Water: 22.63	
Sample I.D.: MW-4		Laboratory: (Kiff) CalScience Other_____	
Analyzed for: (TPH-G) (BTEX) MTBE (TPH-D) Oxygenates (5) (Other: SEE SCOPE.			
EB I.D. (if applicable): @ Time		Duplicate I.D. (if applicable):	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:			
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

W L MONITORING DATA SHE

Project #: 070316 - MA1	Client: CLOSURE SOLUTIONS
Sampler: MA	Date: 3/16/07
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 34.61	Depth to Water (DTW): 21.67
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.26	

12.94

Purge Method: Bailer; ~~Disposable Bailer~~; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

2.1 (Gals.) X 3 = 6.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0956	66.5	7.2	1557	>1000	2.5	
0959	66.9	7.1	1589	>1000	4.5	
1002	66.9	7.1	1586	>1000	6.5	

Did well dewater? Yes (No) Gallons actually evacuated: 6.5

Sampling Date: 3/16/07 Sampling Time: 1010 Depth to Water: 24.20

Sample I.D.: MW-5 Laboratory: (Kiff) CalScience Other_____

Analyzed for: (TPH-G) ~~BTEX~~ MTBE (TPH-D) (Oxygenates (5)) (Other: SEE SCOPE)

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME New West Petroleum				PROJECT NUMBER 070307-JC1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Myron L Ultrameter	608511	3/7/07 0848	4.0, 7.0, 10.0	4.0, 7.0, 10.	Yes	—	JC
2100P Turbidimeter	04020000345B7	3/7/07 0851	50	50	Yes	—	JC

WELLHEAD INSPECTION CHECKLIST

Date 3/7/07 Client Closure Solution

Site Address New West Petroleum, 1051 Airway Blvd., Livermore

Job Number 070307-JC1 Technician J. Cruit

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1	X							
MW-2	X							
MW-3	X							
MW-4	X							
MW-5	X							

NOTES:

WELL GAUGING DATA

Project # 070307-JC1 Date 3/7/07 Client Closure Solutions

Site New West Petroleum, 1051 Airway Blvd., Livermore

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0812	2					21.98 / 29.04	34.57 / 34.68	TOC	13.58
MW-2	0817	2					22.43 / 29.32	33.00 / 33.65		10.57
MW-3	0822	2					24.87 / 29.47	34.81 / 34.84		9.94
MW-4	0803	2					20.94 / 29.39	33.93 / 33.96		12.99
MW-5	0808	2					21.52 / 29.28	34.70 / 34.76		13.18

WELL DEVELOPMENT DATA SHEET

Project #: 070307-JC1	Client: Closure Solutions
Developer: J. Guit	Date Developed: 3/7/07
Well I.D. MW-1	Well Diameter: (circle one) (2) 3 4 6
Total Well Depth: Before 34.57 After 34.68	Depth to Water: Before 21.98 After 28.04
Reason not developed:	If Free Product, thickness:
Additional Notations: Surged well 20 mins. prior to purging	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

2.1	X	10	=	21.0
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☑ Electric Submersible
- ☐ Positive Air Displacement

Type of Installed Pump: Middleburg

Other equipment used:

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1039	68.0	7.0	3229	>1000	2.1	very silty
1043	67.8	7.0	3334	>1000	4.2	↓
1046	68.0	6.9	3100	>1000	6.3	↓
1049	68.0	6.8	3028	>1000	8.4	silty, hardbottom
1052	67.9	6.8	3030	>1000	10.5	↓
1055	67.8	6.7	3043	>1000	12.6	↓
1058	67.8	6.6	3050	>1000	14.7	cloudy, clearing, hardbottom
1101	67.8	6.6	3031	>1000	16.8	↓
1105	67.9	6.6	3028	>1000	18.9	↓
1109	67.7	6.6	3020	>1000	21.0	cloudy, hardbottom

Did Well Dewater? NO	If yes, note above.	Gallons Actually Evacuated:	21.0

WELL DEVELOPMENT DATA SHEET

Project #: 070307-JC1	Client: Closure Solutions
Developer: J. Cuit	Date Developed: 3/7/07
Well I.D. MW-2	Well Diameter: (circle one) (2) 3 4 6
Total Well Depth: Before 33.00 After 33.65	Depth to Water: Before 22.43 After 28.32
Reason not developed:	If Free Product, thickness:
Additional Notations: surge well for 20 min. prior to purging	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

1.6	X	10	=	16.0
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump: Middleburg

Other equipment used:

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
0943	63.7	7.1	1442	>1000	1.6	very silty
0948	66.5	7.2	2019	>1000	3.2	↓
0950	66.8	7.2	1806	>1000	4.8	↓
0953	66.8	7.1	1673	>1000	6.4	hardbottom, silty
0956	67.0	7.1	1503	>1000	8.0	↓
0959	67.1	7.1	1426	>1000	9.6	↓
1002	67.1	7.1	1348	>1000	11.2	slight clearing, hardbottom
1005	67.3	6.9	1257	>1000	12.8	↓
1008	67.3	6.9	1206	>1000	14.4	cloudy, hardbottom, gradual clea
1011	67.3	7.0	1197	>1000	16.0	cloudy hardbottom

Did Well Dewater? No	If yes, note above.	Gallons Actually Evacuated:	16.0

WELL DEVELOPMENT DATA SHEET

Project #: 070307-JC1	Client: Closure Solutions
Developer: J. Cruit	Date Developed: 3/7/07
Well I.D. MW-3	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 34.81 After 34.84	Depth to Water: Before 24.87 After 29.47
Reason not developed:	If Free Product, thickness:
Additional Notations: surged for 20 mins prior to purge	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

1.5	X	10	=	15.0
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ~~☒~~ ☑ Electric Submersible
- ☑ Positive Air Displacement

Type of Installed Pump: Middle bay

Other equipment used: ___

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
0850	64.0	7.2	2745	>1000	1.5	silty
0859	64.8	7.1	2735	>1000	3.0	silty, hardbottom
0856	64.6	7.4	2455	>1000	4.5	↓
0859	65.2	7.4	2365	>1000	6.0	cloudy, clearing
0902	65.1	7.4	2252	>1000	7.5	↓
0905	65.1	7.4	2117	>1000	9.0	↓
0908	65.1	7.4	2035	>1000	10.5	cloudy, hardbottom
0911	65.0	7.4	1961	>1000	12.0	↓
0914	65.1	7.4	1934	>1000	13.5	cloudy, hardbottom, clearing
0917	65.1	7.4	1921	>1000	15.0	slightly over 1000 NTU's
0920	65.1	7.4	1916	>1000	16.0	

Did Well Dewater? No	If yes, note above.	Gallons Actually Evacuated:	~~16.5~~ 16.0

WELL DEVELOPMENT DATA SHEET

Project #: 070307-JC1	Client: Closure Solutions
Developer: J. Cruit	Date Developed: 3/7/07
Well I.D. MW-4	Well Diameter: (circle one) (2) 3 4 6 __
Total Well Depth: Before 33.93 After 33.96	Depth to Water: Before 20.94 After 28.39
Reason not developed:	If Free Product, thickness:
Additional Notations: Surged well for 20 mins. prior to purging	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

2.0	X	10	=	20.0
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☐ Positive Air Displacement

Type of Installed Pump: Middleburg

Other equipment used: _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1224	67.1	7.4	2180	>1000	2.0	silty
1227	67.1	7.5	2240	>1000	4.0	↓
1230	66.7	7.4	2095	>1000	6.0	↓
1233	66.9	7.3	1986	>1000	8.0	silty, clearing
1236	66.7	7.3	1846	>1000	10.0	↓
1239	66.7	7.4	1786	>1000	12.0	cloudy, hard bottom
1242	66.7	7.6	1758	>1000	14.0	↓
1245	66.6	7.5	1737	>1000	16.0	↓
1248	66.7	7.5	1723	>1000	18.0	↓
1251	66.7	7.5	1718	>1000	20.0	cloudy, clearing, hard bottom

Did Well Dewater? ND	If yes, note above.	Gallons Actually Evacuated:	20.0

WELL DEVELOPMENT DATA SHEET

Project #: 070307-JC1	Client: Closure Solutions
Developer: J. Crait	Date Developed: 3/7/07
Well I.D. MW-5	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 34.70 After 34.76	Depth to Water: Before 21.52 After 29.28
Reason not developed:	If Free Product, thickness:
Additional Notations: Surged well 20 mins. prior to purge	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

2.1	X	10		21.0
1 Case Volume		Specified Volumes	=	gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☐ Positive Air Displacement

Type of Installed Pump Middlebrook
Other equipment used

TIME	TEMP (F)	pH	Cond. (mS or (uS))	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1131	68.0	6.7	1932	>1000	2.1	very silty
1135	67.7	7.0	1955	>1000	4.2	↓
1139	67.5	7.1	1910	>1000	6.3	silty
1143	67.4	7.3	1941	>1000	8.4	↓
1147	67.2	7.3	1965	>1000	10.5	silty, clearing, hardbottom
1151	67.4	7.3	1906	>1000	12.6	↓
1154	67.1	7.4	1845	>1000	14.7	cloudy, hardbottom
1158	67.2	7.4	1839	>1000	16.8	↓
1202	67.1	7.4	1846	>1000	18.9	↓
1206	67.2	7.3	1854	>1000	21.0	cloudy, clearing, hardbottom

Did Well Dewater? NO | If yes, note above. | Gallons Actually Evacuated: 22.0

ATTACHMENT E

Land Surveyor Coordinate Data

XY-Survey Coordinates

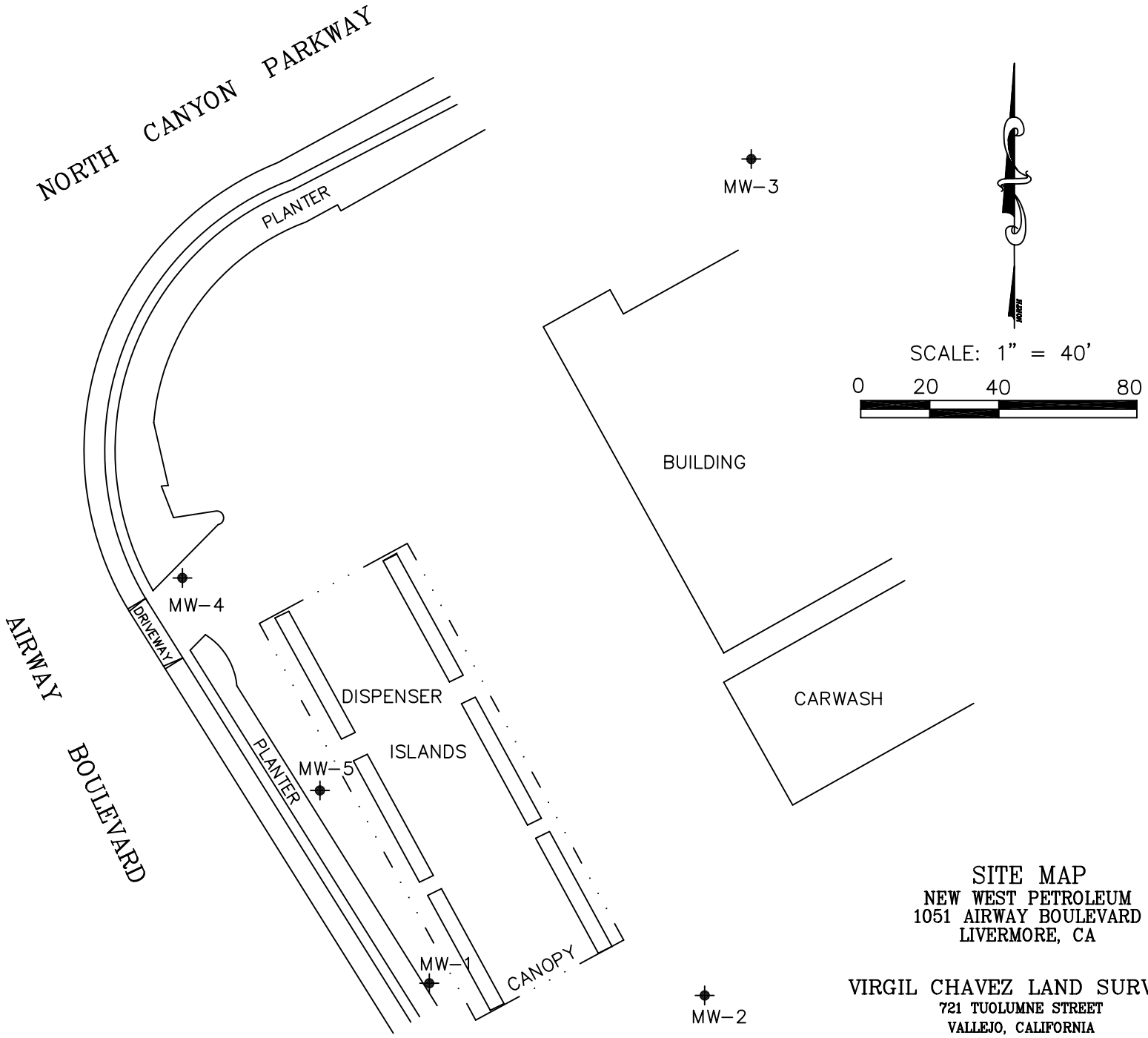
GLOBAL_ID	FIELD_PT_NAME	FIELD_PT_CLASS	XY_SURVEY_DATE	LATITUDE	LONGTITUDE	XY_METHOD	XY_DATUM	XY_ACC_VAL	XY_SURVEY_ORG	GPS_EQUIP_TYPE	XY_SURVEY_DESC
	MW-1	MW	3/19/2007	37.703289	-121.818234	CGPS	NAD83	30	Virgil Chavez Land S	L530	
	MW-2	MW	3/19/2007	37.703282	-121.8179581	CGPS	NAD83	30	Virgil Chavez Land S	L530	
	MW-3	MW	3/19/2007	37.703948	-121.8179233	CGPS	NAD83	30	Virgil Chavez Land S	L530	
	MW-4	MW	3/19/2007	37.703608	-121.8184869	CGPS	NAD83	30	Virgil Chavez Land S	L530	
	MW-5	MW	3/19/2007	37.703441	-121.8183462	CGPS	NAD83	30	Virgil Chavez Land S	L530	

Name of Site: Monitoring Well Survey
Site Address: 1051 Airway Blvd., Livermore
Project Manager: Shannon Couch
Checked By:

Elevation Survey Data

GLOBAL_ID	FIELD_PT_NAME	ELEV_SURVEY_DATE	ELEVATION	ELEV_METHOD	ELEV_DATUM	ELEV_ACC_VAL	ELEV_SURVEY_ORG	RISER_HT	ELEV_DESC
	MW-1	3/19/2007	440.89	CGPS	29	0.5cm	Virgil Chavez Land Surveying		
	MW-2	3/19/2007	441.49	CGPS	29	0.5cm	Virgil Chavez Land Surveying		
	MW-3	3/19/2007	445.33	CGPS	29	0.5cm	Virgil Chavez Land Surveying		
	MW-4	3/19/2007	440.67	CGPS	29	0.5cm	Virgil Chavez Land Surveying		
	MW-5	3/19/2007	440.98	CGPS	29	0.5cm	Virgil Chavez Land Surveying		

Name of Site: Monitoring Well Survey
Site Address: 1051 Airway Blvd., Livermore
Project Manager: Shannon Couch
Checked By:



SITE MAP

NEW WEST PETROLEUM
1051 AIRWAY BOULEVARD
LIVERMORE, CA

VIRGIL CHAVEZ LAND SURVEYING
721 TUOLUMNE STREET
VALLEJO, CALIFORNIA
(707) 553-2476

MARCH, 2007

DRAWING NO. 274001P

ATTACHMENT F

Laboratory Analytical Reports and Chains of Custody

KIFF Analytical LLC

Report Number : 54979
Date : 2/28/2007

Shannon Couch
Closure Solutions, Inc.
1243 Oak Knoll Drive
Concord, CA 94521

Subject : 26 Soil Samples
Project Name : NEW WEST PETROLEUM-LIVERMORE
Project Number :

Dear Ms. Couch,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 54979
Date : 2/28/2007

Subject : 26 Soil Samples
Project Name : NEW WEST PETROLEUM-LIVERMORE
Project Number :

Case Narrative

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for samples MW-1-35, MW-2-24, MW-4-15, MW-4-34 and B-5D-80. These hydrocarbons are higher boiling than typical diesel fuel.

Approved By: Joel Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-1-15** Matrix : Soil Lab Number : 54979-01

Sample Date :2/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	2/22/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/23/2007
1-Chlorooctadecane (Diesel Surrogate)	101		% Recovery	M EPA 8015	2/23/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-1-24** Matrix : Soil Lab Number : 54979-02

Sample Date :2/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	2/22/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/23/2007
1-Chlorooctadecane (Diesel Surrogate)	101		% Recovery	M EPA 8015	2/23/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-1-20** Matrix : Soil Lab Number : 54979-03

Sample Date :2/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	2/22/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/23/2007
1-Chlorooctadecane (Diesel Surrogate)	91.5		% Recovery	M EPA 8015	2/23/2007

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-1-35** Matrix : Soil Lab Number : 54979-04

Sample Date :2/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	2/22/2007
TPH as Diesel	**3.9**	1.0	mg/Kg	M EPA 8015	2/28/2007
1-Chlorooctadecane (Diesel Surrogate)	104		% Recovery	M EPA 8015	2/28/2007

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Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-2-15** Matrix : Soil Lab Number : 54979-05

Sample Date :2/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	97.2		% Recovery	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	2/22/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/23/2007
1-Chlorooctadecane (Diesel Surrogate)	106		% Recovery	M EPA 8015	2/23/2007

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Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-2-20** Matrix : Soil Lab Number : 54979-06

Sample Date :2/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	2/22/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/24/2007
1-Chlorooctadecane (Diesel Surrogate)	99.8		% Recovery	M EPA 8015	2/24/2007

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Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-2-24** Matrix : Soil Lab Number : 54979-07

Sample Date :2/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	2/22/2007
TPH as Diesel	**10**	1.0	mg/Kg	M EPA 8015	2/24/2007
1-Chlorooctadecane (Diesel Surrogate)	89.3		% Recovery	M EPA 8015	2/24/2007

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Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-2-34** Matrix : Soil Lab Number : 54979-08

Sample Date :2/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	2/22/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/27/2007
1-Chlorooctadecane (Diesel Surrogate)	98.1		% Recovery	M EPA 8015	2/27/2007

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KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-3-15** Matrix : Soil Lab Number : 54979-09

Sample Date :2/15/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/23/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/23/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/23/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	2/23/2007
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	2/23/2007
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	2/23/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/24/2007
1-Chlorooctadecane (Diesel Surrogate)	96.0		% Recovery	M EPA 8015	2/24/2007

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Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-3-20** Matrix : Soil Lab Number : 54979-10

Sample Date :2/15/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/23/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/23/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/23/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/23/2007
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	2/23/2007
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	2/23/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/24/2007
1-Chlorooctadecane (Diesel Surrogate)	93.8		% Recovery	M EPA 8015	2/24/2007

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Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-3-25** Matrix : Soil Lab Number : 54979-11

Sample Date :2/15/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/23/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/23/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/23/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/23/2007
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	2/23/2007
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	2/23/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/24/2007
1-Chlorooctadecane (Diesel Surrogate)	94.7		% Recovery	M EPA 8015	2/24/2007

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Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-3-35** Matrix : Soil Lab Number : 54979-12

Sample Date :2/15/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/23/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/23/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/23/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/23/2007
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	2/23/2007
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	2/23/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/26/2007
1-Chlorooctadecane (Diesel Surrogate)	93.8		% Recovery	M EPA 8015	2/26/2007

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Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-4-15** Matrix : Soil Lab Number : 54979-13

Sample Date :2/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/23/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/23/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/23/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/23/2007
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	2/23/2007
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	2/23/2007
TPH as Diesel	**1.4**	1.0	mg/Kg	M EPA 8015	2/26/2007
1-Chlorooctadecane (Diesel Surrogate)	90.5		% Recovery	M EPA 8015	2/26/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-4-20** Matrix : Soil Lab Number : 54979-14

Sample Date :2/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/23/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/23/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/23/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/23/2007
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	2/23/2007
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	2/23/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/26/2007
1-Chlorooctadecane (Diesel Surrogate)	97.5		% Recovery	M EPA 8015	2/26/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-4-24** Matrix : Soil Lab Number : 54979-15

Sample Date :2/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/23/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/23/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/23/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/23/2007
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	2/23/2007
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	2/23/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/27/2007
1-Chlorooctadecane (Diesel Surrogate)	94.3		% Recovery	M EPA 8015	2/27/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **MW-4-34** Matrix : Soil Lab Number : 54979-16

Sample Date :2/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/23/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/23/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/23/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	2/23/2007
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	2/23/2007
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	2/23/2007
TPH as Diesel	**2.4**	1.0	mg/Kg	M EPA 8015	2/23/2007
1-Chlorooctadecane (Diesel Surrogate)	97.1		% Recovery	M EPA 8015	2/23/2007

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **B-5D-15** Matrix : Soil Lab Number : 54979-17

Sample Date :2/14/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methyl-t-butyl ether (MTBE)	**0.014**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/23/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/23/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/23/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/23/2007
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	2/23/2007
1,2-Dichloroethane-d4 (Surr)	109		% Recovery	EPA 8260B	2/23/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/23/2007
1-Chlorooctadecane (Diesel Surrogate)	104		% Recovery	M EPA 8015	2/23/2007

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **B-5D-20** Matrix : Soil Lab Number : 54979-18

Sample Date :2/14/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/23/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/23/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/23/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene - d8 (Surr)	98.3		% Recovery	EPA 8260B	2/23/2007
4-Bromofluorobenzene (Surr)	97.6		% Recovery	EPA 8260B	2/23/2007
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	2/23/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/23/2007
1-Chlorooctadecane (Diesel Surrogate)	104		% Recovery	M EPA 8015	2/23/2007

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **B-5D-24** Matrix : Soil Lab Number : 54979-19

Sample Date :2/14/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**0.025**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	2/22/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/23/2007
1-Chlorooctadecane (Diesel Surrogate)	94.9		% Recovery	M EPA 8015	2/23/2007

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **B-5D-40** Matrix : Soil Lab Number : 54979-20

Sample Date :2/14/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/23/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/23/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/23/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/23/2007
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/23/2007
4-Bromofluorobenzene (Surr)	93.5		% Recovery	EPA 8260B	2/23/2007
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	2/23/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/23/2007
1-Chlorooctadecane (Diesel Surrogate)	97.8		% Recovery	M EPA 8015	2/23/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **B-5D-45** Matrix : Soil Lab Number : 54979-21

Sample Date :2/14/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	2/22/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/22/2007
1-Chlorooctadecane (Diesel Surrogate)	100		% Recovery	M EPA 8015	2/22/2007

Approved By: Joel Kiff

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KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **B-5D-55** Matrix : Soil Lab Number : 54979-22

Sample Date :2/14/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	2/22/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/22/2007
1-Chlorooctadecane (Diesel Surrogate)	111		% Recovery	M EPA 8015	2/22/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 54979
Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**
Project Number :

Sample : **B-5D-65** Matrix : Soil Lab Number : 54979-23
Sample Date :2/14/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	2/22/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/22/2007
1-Chlorooctadecane (Diesel Surrogate)	100		% Recovery	M EPA 8015	2/22/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **B-5D-75** Matrix : Soil Lab Number : 54979-24

Sample Date :2/14/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	2/22/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/22/2007
1-Chlorooctadecane (Diesel Surrogate)	98.7		% Recovery	M EPA 8015	2/22/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **B-5D-80** Matrix : Soil Lab Number : 54979-25

Sample Date :2/14/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	2/22/2007
TPH as Diesel	**1.4**	1.0	mg/Kg	M EPA 8015	2/27/2007
1-Chlorooctadecane (Diesel Surrogate)	97.6		% Recovery	M EPA 8015	2/27/2007

Approved By: Joel Kiff

KIFF Analytical LLC

Report Number : 54979

Date : 2/28/2007

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Sample : **B-5D-85** Matrix : Soil Lab Number : 54979-26

Sample Date :2/14/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	**< 0.20**	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	**< 0.010**	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	2/22/2007
TPH as Diesel	**< 1.0**	1.0	mg/Kg	M EPA 8015	2/22/2007
1-Chlorooctadecane (Diesel Surrogate)	101		% Recovery	M EPA 8015	2/22/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 54979

Date : 2/28/2007

QC Report : Method Blank Data

Project Name : **NEW WEST PETROLEUM-LIVERMORE**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	2/23/2007
1-Chlorooctadecane (Diesel Surrogate)	91.5		%	M EPA 8015	2/23/2007
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	2/22/2007
1-Chlorooctadecane (Diesel Surrogate)	98.3		%	M EPA 8015	2/22/2007
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	2/27/2007
1-Chlorooctadecane (Diesel Surrogate)	84.7		%	M EPA 8015	2/27/2007
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	< 0.010	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	98.1		%	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	97.2		%	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	105		%	EPA 8260B	2/22/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Diisopropyl ether (DIPE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethyl-t-butyl ether (ETBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-amyl methyl ether (TAME)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Tert-Butanol	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methanol	< 0.20	0.20	mg/Kg	EPA 8260B	2/22/2007
Ethanol	< 0.010	0.010	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	2/22/2007
1,2-Dichloroethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
1,2-Dibromoethane	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	101		%	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	105		%	EPA 8260B	2/22/2007
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	2/22/2007

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 54979

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 2/28/2007

Project Name : **NEW WEST**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	54979-16	2.4	20.0	20.0	18.3	18.0	mg/Kg	M EPA 8015	2/23/07	81.4	80.2	1.42	60-140	25
TPH as Diesel	54979-22	<1.0	20.0	20.0	18.9	17.4	mg/Kg	M EPA 8015	2/22/07	94.3	86.8	8.26	60-140	25
TPH as Diesel	55035-06	<1.0	20.0	20.0	17.9	17.5	mg/Kg	M EPA 8015	2/27/07	89.6	87.7	2.05	60-140	25
Benzene	54979-05	<0.0050	0.0404	0.0402	0.0351	0.0378	mg/Kg	EPA 8260B	2/22/07	86.8	94.2	8.12	70-130	25
Toluene	54979-05	<0.0050	0.0404	0.0402	0.0340	0.0363	mg/Kg	EPA 8260B	2/22/07	84.1	90.5	7.32	70-130	25
Tert-Butanol	54979-05	<0.0050	0.202	0.201	0.167	0.169	mg/Kg	EPA 8260B	2/22/07	82.8	84.0	1.43	70-130	25
Methyl-t-Butyl Ether	54979-05	<0.0050	0.0404	0.0402	0.0371	0.0380	mg/Kg	EPA 8260B	2/22/07	91.9	94.7	3.06	70-130	25
Benzene	54980-02	<0.0050	0.0399	0.0399	0.0341	0.0307	mg/Kg	EPA 8260B	2/22/07	85.4	76.9	10.4	70-130	25
Toluene	54980-02	<0.0050	0.0399	0.0399	0.0379	0.0341	mg/Kg	EPA 8260B	2/22/07	94.8	85.4	10.5	70-130	25
Tert-Butanol	54980-02	<0.0050	0.200	0.200	0.188	0.177	mg/Kg	EPA 8260B	2/22/07	94.2	88.6	6.18	70-130	25
Methyl-t-Butyl Ether	54980-02	<0.0050	0.0399	0.0399	0.0382	0.0393	mg/Kg	EPA 8260B	2/22/07	95.8	98.4	2.67	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 54979

QC Report : Laboratory Control Sample (LCS)

Date : 2/28/2007

Project Name : **NEW WEST**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH as Diesel	20.0	mg/Kg	M EPA 8015	2/23/07	83.3	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	2/22/07	87.6	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	2/27/07	88.9	70-130
Benzene	0.0398	mg/Kg	EPA 8260B	2/22/07	102	70-130
Toluene	0.0398	mg/Kg	EPA 8260B	2/22/07	98.4	70-130
Tert-Butanol	0.199	mg/Kg	EPA 8260B	2/22/07	91.0	70-130
Methyl-t-Butyl Ether	0.0398	mg/Kg	EPA 8260B	2/22/07	103	70-130
Benzene	0.0394	mg/Kg	EPA 8260B	2/22/07	87.0	70-130
Toluene	0.0394	mg/Kg	EPA 8260B	2/22/07	95.6	70-130
Tert-Butanol	0.197	mg/Kg	EPA 8260B	2/22/07	94.2	70-130
Methyl-t-Butyl Ether	0.0394	mg/Kg	EPA 8260B	2/22/07	96.5	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

KIFF Analytical LLC

2795 2nd Street Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 54979

Page 1 of 3

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): SHANNON COUCH / RON CHINN	California EDF Report? ☒ Yes ☐ No
Company / Address: CLOSURE SOLUTIONS 1243 BOK KNOLL DR, CONCORD, CA	Sampling Company Log Code:
Phone #: 510.798.8314 Fax #: 925.459.5602	Global ID: T0600148042
Project #: P.O. #:	EDF Deliverable To (Email Address): Scouch@closuresolutions.com
Project Name: NEW WEST PETROLEUM - LIVERMORE	Sampler Signature:
Project Address: 1051 AIRWAY BLVD LIVERMORE, CA	

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)					For Lab Use Only
MW-1-15	2/16			X								X				X	X		X	X				X							01
MW-1-24																															02
MW-1-20																															03
MW-1-35	↓																														04
MW-2-15																															05
MW-2-20																															06
MW-2-24																															07
MW-2-34	↓																														08
MW-3-15	2/15																														09
MW-3-20	↓			↓								↓				↓	↓		↓	↓				↓							10

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72 hr ☒ ~~1 wk~~

Relinquished by:	Date	Time	Received by:
	2/21/07		
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	02210 7	1425	Kiff Analytical LLC

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
3.6	JA	022107	1735	IR-5	Yes / No

Distribution: Original - Lab; Photocopy - Originator
Rev: 081105

KIFF Analytical LLC

2795 2nd Street Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 54979

Page 2 of 3

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): SHANNON COUCH / RON CHINN

California EDF Report? ☑ Yes ☐ No

Company / Address: CLOSURE SOLUTIONS 1243 OAK KNOLL DR, CONCORD, CA

Sampling Company Log Code:

Phone #: 510.798.8314 Fax #: 925.459.5602

Global ID: T0600148042

Project #: P.O. #:

EDF Deliverable To (Email Address): sconch@closuresolutions.com

Project Name: NEW WEST PETROLEUM - LIVERMORE

Sampler Signature:

Project Address: 1051 AIRWAY BLVD, LIVERMORE, CA

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air	MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)				TAT: 12 hr	24 hr	48hr	72 hr	1 wk	For Lab Use Only
MW-3-25	2/15			✓								X				X	X		X	X					X										11
MW-3-35	↓																																		12
MW-4-15	2/16																																		13
MW-4-20																																			14
MW-4-24																																			15
MW-4-34	↓																																		16
B-5D-15	2/14																																		17
B-5D-20																																			18
B-5D-24	↓																																		19
B-5D-40	↓			↓								↑				↓	↓		↓	↓					↓										20

Relinquished by:	Date	Time	Received by:
	2/21/07		
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	022107	1420	KIFF Analytical LLC

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: Original - Lab; Photocopy - Originator
Rev: 081105

KIFF Analytical LLC

2795 2nd Street Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 54979

Page 3 of 3

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): SHANNON COUCH / RON CHINN	California EDF Report? ☑ Yes ☐ No
Company / Address: CLOSURE SOLUTIONS 1243 02K KNOLL DR, CONCORD, CA	Sampling Company Log Code:
Phone #: 510.798.8314 / Fax #: 925.459.5602	Global ID: T0600148042
Project #: / P.O. #:	EDF Deliverable To (Email Address):
Project Name: NEW WEST PETROLEUM - LIVERMORE	Sampler Signature:
Project Address: 1051 AIRWAY BLVD LIVERMORE, CA	

	Sampling		Container					Preservative					Matrix			
Sample Designation	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO_3	None			Water	Soil	Air	
1 B-5D-45	2/14			X										X		
1 B-5D-55				↓										↓		
1 B-5D-65																
1 B-5D-75																
1 B-5D-80																
1 B-5D-85	↓			↓										↓		

Analysis Request	TAT	For Lab Use Only
MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb		
MTBE (EPA 8260B) @ 0.5 ppb		
BTEX (EPA 8260B)	X	21
TPH Gas (EPA 8260B)	X	22
5 Oxygenates (EPA 8260B)		23
7 Oxygenates (EPA 8260B)	X	24
Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	X	25
Volatile Halocarbons (EPA 8260B)		26
Volatile Organics Full List (EPA 8260B)		
Volatile Organics (EPA 524.2 Drinking Water)		
TPH as Diesel (EPA 8015M)	X	
TPH as Motor Oil (EPA 8015M)		
Total Lead (EPA 6010)		
W.E.T. Lead (STLC)		
	☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72 hr ☑ 4 wk	

Relinquished by:	Date: 2/21/07	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date: 022107	Time: 1425	Received by Laboratory: Kiff Analytical LLC

Remarks:

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
					Yes / No

Distribution: Original - Lab; Photocopy - Originator
Rev: 081105

KIFF Analytical LLC

Report Number : 55458
Date : 3/22/2007

Ron Chinn
Closure Solutions, Inc.
1243 Oak Knoll Drive
Concord, CA 94521

Subject : 5 Water Samples
Project Name : New West Petroleum-1051 Airway Blvd.
Project Number : 070316-MA1

Dear Mr. Chinn,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 55458

Date : 3/22/2007

Project Name : **New West Petroleum-1051 Airway Blvd.**

Project Number : **070316-MA1**

Sample : **MW-1** Matrix : Water Lab Number : 55458-01

Sample Date :3/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**3.8**	0.50	ug/L	EPA 8260B	3/22/2007
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Methyl-t-butyl ether (MTBE)	**2.8**	0.50	ug/L	EPA 8260B	3/22/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	3/22/2007
Methanol	**< 50**	50	ug/L	EPA 8260B	3/22/2007
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	3/22/2007
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/22/2007
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	3/22/2007
4-Bromofluorobenzene (Surr)	98.2		% Recovery	EPA 8260B	3/22/2007
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	3/22/2007
Octacosane (Diesel Silica Gel Surr)	99.8		% Recovery	M EPA 8015	3/22/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 55458

Date : 3/22/2007

Project Name : **New West Petroleum-1051 Airway Blvd.**

Project Number : **070316-MA1**

Sample : **MW-2** Matrix : Water Lab Number : 55458-02

Sample Date :3/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Methyl-t-butyl ether (MTBE)	**1.5**	0.50	ug/L	EPA 8260B	3/22/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	3/22/2007
Methanol	**< 50**	50	ug/L	EPA 8260B	3/22/2007
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	3/22/2007
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/22/2007
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	3/22/2007
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	3/22/2007
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	3/22/2007
Octacosane (Diesel Silica Gel Surr)	107		% Recovery	M EPA 8015	3/22/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 55458

Date : 3/22/2007

Project Name : **New West Petroleum-1051 Airway Blvd.**

Project Number : **070316-MA1**

Sample : **MW-3** Matrix : Water Lab Number : 55458-03

Sample Date :3/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	3/22/2007
Methanol	**< 50**	50	ug/L	EPA 8260B	3/22/2007
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	3/22/2007
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/22/2007
Toluene - d8 (Surr)	107		% Recovery	EPA 8260B	3/22/2007
4-Bromofluorobenzene (Surr)	99.9		% Recovery	EPA 8260B	3/22/2007
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	3/22/2007
Octacosane (Diesel Silica Gel Surr)	105		% Recovery	M EPA 8015	3/22/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 55458

Date : 3/22/2007

Project Name : **New West Petroleum-1051 Airway Blvd.**

Project Number : **070316-MA1**

Sample : **MW-4** Matrix : Water Lab Number : 55458-04

Sample Date :3/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Methyl-t-butyl ether (MTBE)	**5.9**	0.50	ug/L	EPA 8260B	3/22/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	3/22/2007
Methanol	**< 50**	50	ug/L	EPA 8260B	3/22/2007
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	3/22/2007
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/22/2007
Toluene - d8 (Surr)	107		% Recovery	EPA 8260B	3/22/2007
4-Bromofluorobenzene (Surr)	98.5		% Recovery	EPA 8260B	3/22/2007
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	3/22/2007
Octacosane (Diesel Silica Gel Surr)	99.6		% Recovery	M EPA 8015	3/22/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF Analytical LLC

Report Number : 55458

Date : 3/22/2007

Project Name : **New West Petroleum-1051 Airway Blvd.**

Project Number : **070316-MA1**

Sample : **MW-5** Matrix : Water Lab Number : 55458-05

Sample Date :3/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Methyl-t-butyl ether (MTBE)	**14**	0.50	ug/L	EPA 8260B	3/22/2007
Diisopropyl ether (DIPE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Ethyl-t-butyl ether (ETBE)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Tert-amyl methyl ether (TAME)	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
Tert-Butanol	**< 5.0**	5.0	ug/L	EPA 8260B	3/22/2007
Methanol	**< 50**	50	ug/L	EPA 8260B	3/22/2007
Ethanol	**< 5.0**	5.0	ug/L	EPA 8260B	3/22/2007
1,2-Dichloroethane	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
1,2-Dibromoethane	**< 0.50**	0.50	ug/L	EPA 8260B	3/22/2007
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	3/22/2007
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	3/22/2007
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	3/22/2007
TPH as Diesel (Silica Gel)	**< 50**	50	ug/L	M EPA 8015	3/22/2007
Octacosane (Diesel Silica Gel Surr)	104		% Recovery	M EPA 8015	3/22/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 55458

Date : 3/22/2007

QC Report : Method Blank Data

Project Name : **New West Petroleum-1051 Airway Blvd.**

Project Number : **070316-MA1**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel (Silica Gel)	< 50	50	ug/L	M EPA 8015	3/20/2007
Octacosane (Diesel Silica Gel Surr)	109		%	M EPA 8015	3/20/2007
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/22/2007
Methanol	< 50	50	ug/L	EPA 8260B	3/22/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	3/22/2007
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/22/2007
Toluene - d8 (Surr)	103		%	EPA 8260B	3/22/2007
4-Bromofluorobenzene (Surr)	110		%	EPA 8260B	3/22/2007
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/22/2007
Methanol	< 50	50	ug/L	EPA 8260B	3/22/2007
Ethanol	< 5.0	5.0	ug/L	EPA 8260B	3/22/2007
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	3/22/2007
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/22/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Toluene - d8 (Surr)	103		%	EPA 8260B	3/22/2007
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	3/22/2007

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 55458

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 3/22/2007

Project Name : **New West Petroleum-1051**

Project Number : **070316-MA1**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	Blank	<50	1000	1000	1060	1030	ug/L	M EPA 8015	3/20/07	106	103	3.35	70-130	25
Benzene	55495-06	<0.50	40.0	40.0	39.2	38.1	ug/L	EPA 8260B	3/22/07	98.0	95.2	2.85	70-130	25
Toluene	55495-06	<0.50	40.0	40.0	40.3	39.2	ug/L	EPA 8260B	3/22/07	101	97.9	2.84	70-130	25
Tert-Butanol	55495-06	<5.0	200	200	207	212	ug/L	EPA 8260B	3/22/07	103	106	2.63	70-130	25
Methyl-t-Butyl Ether	55495-06	110	40.0	40.0	154	152	ug/L	EPA 8260B	3/22/07	104	98.4	5.60	70-130	25
Benzene	55460-01	<0.50	40.0	40.0	43.4	39.0	ug/L	EPA 8260B	3/22/07	109	97.4	10.8	70-130	25
Toluene	55460-01	<0.50	40.0	40.0	42.9	38.8	ug/L	EPA 8260B	3/22/07	107	97.0	10.0	70-130	25
Tert-Butanol	55460-01	<5.0	200	200	204	190	ug/L	EPA 8260B	3/22/07	102	95.1	6.99	70-130	25
Methyl-t-Butyl Ether	55460-01	<0.50	40.0	40.0	37.3	35.0	ug/L	EPA 8260B	3/22/07	93.3	87.6	6.36	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 55458

QC Report : Laboratory Control Sample (LCS)

Date : 3/22/2007

Project Name : **New West Petroleum-1051**

Project Number : **070316-MA1**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	3/22/07	95.1	70-130
Toluene	40.0	ug/L	EPA 8260B	3/22/07	99.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/22/07	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/22/07	102	70-130
Benzene	40.0	ug/L	EPA 8260B	3/22/07	106	70-130
Toluene	40.0	ug/L	EPA 8260B	3/22/07	108	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/22/07	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/22/07	99.9	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

55458

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS # ~~070308~~ 070316-MA1

CLIENT: Closure Solutions

SITE: New West Petroleum

1051 Airway Blvd.

Livermore, CA

CONDUCT ANALYSIS TO DETECT

LAB: Kiff DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ LIA ☐ OTHER ☐ RWQCB REGION _____

SPECIAL INSTRUCTIONS

Project Contact: Ron Chinn
rchinn@closuresolutions.com

Invoice and Report to : Closure Solutions 925.348.0656 Office
1234 Oak Knoll Dr. 925.459.5602 Fax
Concord, CA 94521

Global ID: T0600148042 Report (PDF) and EDF to Ron Chinn (email)

EDF required

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH-g / BTEX (8260B)	Oxygenates (5) (8260B)	Ethanol (8260B)	Methanol (8260B)	1,2-DCA, EDB (8260B)	TPH-d with Silica Gel Clean Up (8015M)			ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-1	3/16/07	0925	w	6	6 HCL VOAS		X	X	X	X	X	X						01
MW-2		0900	w	6	6 HCL VOAS		X	X	X	X	X	X						02
MW-3		1105	w	6	6 HCL VOAS		X	X	X	X	X	X						03
MW-4		1035	w	6	6 HCL VOAS		X	X	X	X	X	X						04
MW-5		1010	w	6	6 HCL VOAS		X	X	X	X	X	X						05

SAMPLE RECEIPT
Temp °C 2.4 Therm. ID# IR-5
Initial RLM Date 032007
Time 1445 Coolant present: (Yes) No

SAMPLING COMPLETED	DATE	TIME
	3/16/07	1105

SAMPLING PERFORMED BY MATT ANONSEN

RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	3/16/07	1300	(SAMPLE CUSTODIAN)	3/16/07	1300
	3/20/07	1025			
			Kiff Analytical	032007	1028

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

KIFF Analytical LLC

Report Number : 54978
Date : 2/26/2007

Shannon Couch
Closure Solutions, Inc.
1243 Oak Knoll Drive
Concord, CA 94521

Subject : 1 Soil Sample
Project Name : New West Petroleum-Livermore
Project Number :

Dear Ms. Couch,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 54978

Date : 2/26/2007

Project Name : **New West Petroleum-Livermore**

Project Number :

Sample : **D-1,2,3,4** Matrix : Soil Lab Number : 54978-01

Sample Date :2/16/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	**< 0.0050**	0.0050	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	**< 1.0**	1.0	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	2/22/2007

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 54978

QC Report : Method Blank Data

Date : 2/26/2007

Project Name : **New West Petroleum-Livermore**

Project Number :

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
Methyl-t-butyl ether (MTBE)	< 0.0050	0.0050	mg/Kg	EPA 8260B	2/22/2007
TPH as Gasoline	< 1.0	1.0	mg/Kg	EPA 8260B	2/22/2007
Toluene - d8 (Surr)	101		%	EPA 8260B	2/22/2007
4-Bromofluorobenzene (Surr)	105		%	EPA 8260B	2/22/2007

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 54978

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 2/26/2007

Project Name : **New West**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	54980-02	<0.0050	0.0399	0.0399	0.0341	0.0307	mg/Kg	EPA 8260B	2/22/07	85.4	76.9	10.4	70-130	25
Toluene	54980-02	<0.0050	0.0399	0.0399	0.0379	0.0341	mg/Kg	EPA 8260B	2/22/07	94.8	85.4	10.5	70-130	25
Tert-Butanol	54980-02	<0.0050	0.200	0.200	0.188	0.177	mg/Kg	EPA 8260B	2/22/07	94.2	88.6	6.18	70-130	25
Methyl-t-Butyl Ether	54980-02	<0.0050	0.0399	0.0399	0.0382	0.0393	mg/Kg	EPA 8260B	2/22/07	95.8	98.4	2.67	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 54978

QC Report : Laboratory Control Sample (LCS)

Date : 2/26/2007

Project Name : **New West**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	0.0394	mg/Kg	EPA 8260B	2/22/07	87.0	70-130
Toluene	0.0394	mg/Kg	EPA 8260B	2/22/07	95.6	70-130
Tert-Butanol	0.197	mg/Kg	EPA 8260B	2/22/07	94.2	70-130
Methyl-t-Butyl Ether	0.0394	mg/Kg	EPA 8260B	2/22/07	96.5	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Calscience
Environmental
Laboratories, Inc.

February 28, 2007

Joel Kiff
Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Subject: **Calscience Work Order No.: 07-02-1470**
Client Reference: New West Petroleum-Livermore

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/23/2007 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 02/23/07
Work Order No: 07-02-1470
Preparation: T22.11.5.AII
Method: EPA 6010B

Project: New West Petroleum-Livermore

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
D-1,2,3,4	**07-02-1470-1**	**02/16/07**	**Solid**	**ICP 5300**	**02/23/07**	**02/26/07**	**070226L02**

Parameter	Result	RL	DF	Qual	Units
Lead	0.224	0.100	1		mg/L

Method Blank	097-05-006-3,427	N/A	Solid	ICP 5300	02/23/07	02/26/07	070226L02

Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.100	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 02/23/07
Work Order No: 07-02-1470
Preparation: T22.11.5.AII
Method: EPA 6010B

Project New West Petroleum-Livermore

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-02-1031-3	**Solid**	**ICP 5300**	**02/23/07**	**02/26/07**	**070226S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	88	93	75-125	4	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ACCREDITED IN ACCORDANCE WITH nelac

Kiff Analytical		Date Received:	N/A
2795 2nd Street, Suite 300		Work Order No:	07-02-1470
Davis, CA 95616-6593		Preparation:	T22.11.5.AII
		Method:	EPA 6010B

Project: New West Petroleum-Livermore

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-05-006-3,427	**Solid**	**ICP 5300**	**02/26/07**	**070226-I-02**	**070226L02**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Lead	5.00	5.06	101	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-02-1470

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

KIFF Analytical LLC

2795 Second Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Cal Science Environmental
7440 Lincoln Way
Garden Grove, CA 92841
714-895-5494

Lab No. 1470

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Christie Dumas

EDF Report? ___ Yes _X_No

Company/Address: Kiff Analytical, LLC

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Global ID:

Phone No.: FAX No.:

Project Number: P.O. No.: 54978

EDF Deliverable to (Email Address):

Project Name: New West Petroleum-Livermore

E-mail address:

Project Address:

Analysis Request

Date due: February 28, 2007

For Lab Use Only

Sample Designation	Sampling: Date	Sampling: Time	Container: VOA	Container: Poly	Container: Sleeve	Container: Amber	Container: Glass Jar	Preservative: HNO_3	Preservative: H_2SO_4	Preservative: $Na_2S_2O_3$	Preservative: $ZnAc_2$ & NaOH	Preservative: NONE	Matrix: WATER	Matrix: SOIL	Matrix: Air	Total Lead (STLC)								
D-1,2,3,4	02/16/07	15:30					1					X		X		X							X	

Relinquished by:	Date	Time	Received by:
[signature] / K. Yin Analytical	022207	1900	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	2/23/07	0600	[signature]

Remarks:

Bill to: Accounts Payable

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 02 - 1470

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: kiff DATE: 2/23/07

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

3.6 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: JD

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: ✓ No (Not Intact) : _____ Not Present: _____

Initial: JP

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC		✓	
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: JP

COMMENTS:

KIFF Analytical LLC

2795 2nd Street Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

SRG # / Lab No. 54978

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): CHANNING CONLEY/RON CHINN	California EDF Report? ☐ Yes ☐ No
Company / Address: CLOSURE SOLUTIONS 1243 OAKLAND DR CONCORD CA	Sampling Company Log Code:
Phone #: 510.798.8314 Fax #: 925.459.5602	Global ID: T0600148042
Project #: P.O. #:	EDF Deliverable To (Email Address): sconley@closuresolutions.com
Project Name: NEW WEST PETROLEUM - LIVERMORE	Sampler Signature:
Project Address: 1051 AIRWAY BLVD LIVERMORE, CA	

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: Sleeve	Container: Poly	Container: Glass	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: None	Matrix: Water	Matrix: Soil	Matrix: Air
D-1	2/16	3:30		✓								✓	
D-2	↓	↓		✓								✓	
D-3	↓	↓		✓								✓	
D-4	↓	↓		✓								✓	

Analysis Request

MTBE (EPA 8260B) per EPA 8021 level @ 5.0 ppb	MTBE (EPA 8260B) @ 0.5 ppb	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (EPA 8260B)	7 Oxygenates (EPA 8260B)	Lead Scav.(1,2 DCA & 1,2 EDB-EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	Total Lead (EPA 6010)	W.E.T. Lead (STLC)
	X	X	X									X	

TAT: ☐ 12 hr ☐ 24 hr ☐ 48hr ☐ 72 hr ☑ 1 wk

For Lab Use Only

01

Relinquished by:	Date	Time	Received by:
	2/21/07		
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	022107	1425	

Remarks: 4-POINT COMP FOR WASTE DISPOSAL

Bill to:

For Lab Use Only: Sample Receipt

Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
3.6	TJA	022107	1734	FR-5	Yes / No

Distribution: Original - Lab; Photocopy - Originator
Rev: 081105