



# CLOSURE SOLUTIONS, INC.

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4:03 pm, Sep 02, 2008

Alameda County  
Environmental Health

August 29, 2008

Mr. Steve Plunkett  
Alameda County Environmental Health  
1000 San Leandro Blvd., Suite 300  
San Leandro, CA 94577

**RE:   THIRD QUARTER 2008 GROUNDWATER MONITORING REPORT  
Palace Garage  
14336 Washington Avenue  
San Leandro, California  
ACEH Case No. RO0000208  
SFRWQCB LUFT Case No. 01-1133**

Dear Mr. Plunkett:

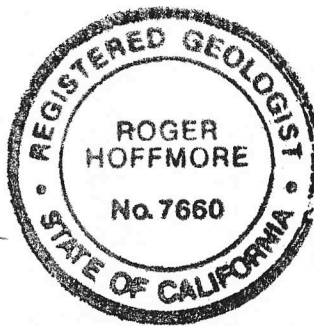
On behalf of Kerry & Associates, Closure Solutions, Incorporated (Closure Solutions) is submitting the *Third Quarter 2008 Groundwater Monitoring Report* for the Palace Garage facility, located at 14336 Washington Avenue, in San Leandro, California.

If you have any questions regarding this submission, please contact Mr. Roger Hoffmore of Closure Solutions at (916) 983-5604, or at [rhoffmore@closureolutions.com](mailto:rhoffmore@closureolutions.com).

Sincerely,

**CLOSURE SOLUTIONS**

Roger Hoffmore, P.G.  
Senior Geologist



Enclosure:   Third Quarter 2008 Groundwater Monitoring Report

cc:       Mr. Jeff Kerry, Kerry & Associates

Date: August 29, 2008

Quarter: 3Q 2008

## QUARTERLY GROUNDWATER MONITORING REPORT

<b>SITE NAME:</b>	<b>Palace Garage</b>
Address:	14336 Washington Avenue
	San Leandro, California
Responsible Party:	Kerry & Associates
Consulting Co./Contact Person:	Closure Solutions, Inc. / Roger Hoffmore, P.G.
Primary Agency/Regulatory ID No.:	Alameda County Env. Health Case No. RO0000208

### WORK PERFORMED THIS QUARTER: (Third – 2008):

1. Performed Third Quarter 2008 groundwater monitoring event on August 7, 2008
2. Prepared and submitted *Sensitive Receptor Survey* dated August 27, 2008
3. Prepared a Site Conceptual Model
4. Prepared and submitted Third Quarter 2008 Groundwater Monitoring Report

### WORK PROPOSED FOR NEXT QUARTER: (Fourth – 2008):

1. Perform Fourth Quarter 2008 groundwater monitoring event
2. Prepare Fourth Quarter 2008 Groundwater Monitoring Report

Current Phase of Project:	Monitoring
Groundwater Monitoring & Sampling:	Quarterly: MW-1, MW-2, MW-3, MW-4
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	Monitored Natural Attenuation
Depth to Groundwater :	15.39 ft (MW-3) to 15.62 ft (MW-1)
Groundwater Gradient (direction):	Southwest
Groundwater Gradient (magnitude):	0.0031

### SITE BACKGROUND

A 550-gallon gasoline underground storage tank (UST) was removed from the site in 1991. Subsequent investigations included the installation of 3 monitoring wells and the drilling of 15 borings. Based on data obtained from the wells and borings, impacted unsaturated-zone soil is confined to the area of the former dispenser pad and UST. The primary groundwater flow direction is

toward the southwest.

In December 2002, Professional Service Industries, Inc. (PSI) conducted a soil and groundwater investigation to evaluate the lateral extent of petroleum hydrocarbons in the soil and groundwater at the site. Borings B-16 and B-17 were advanced to between 20 and 24 feet below ground surface (bgs). Boring B-16 was converted into monitoring well MW-4. Concentration of total petroleum hydrocarbons as gasoline (TPHg) and gasoline related contaminants were detected only in soil from boring B-17 and groundwater from wells MW-1 and MW-2. The locations of the monitoring wells and soil borings are presented in Figure 1.

#### **DISCUSSION OF MONITORING & SAMPLING RESULTS:**

On August 7, 2008, Confluence Environmental, Inc. (Confluence) performed the monitoring and sampling activities at the Site (Figure 1). A total of four monitoring wells (MW-1, MW-2, MW-3 and MW-4) were gauged and sampled in accordance with Confluences' Standard Operating Procedures (included in Attachment A). The collected groundwater samples and a trip blank sample were submitted to Kiff Analytical for laboratory analysis under Chain-of-Custody protocols.

The samples were analyzed for TPHg, benzene, toluene, ethylbenzene, and total xylenes (BTEX constituents), and the fuel additives Methyl-tertiary-Butyl Ether (MTBE), Di-isopropyl Ether (DIPE), Tert-Butanol (TBA), Ethyl tert-butyl ether (EtBE), Tert-amyl methyl ether (TAME), 1,2-Dichloroethane (1,2-DCA), and 1,2-Dibromoethane (EDB) by EPA Method 8260B.

TPHg was detected in two wells at concentrations of 820 micrograms per liter ( $\mu\text{g/L}$ ) (MW-1) and 2,100  $\mu\text{g/L}$  (MW-2). Benzene was detected in two wells at concentrations of 13  $\mu\text{g/L}$  (MW-1) and 86  $\mu\text{g/L}$  (MW-2). Toulene was detected in two wells at concentrations of 3.1  $\mu\text{g/L}$  (MW-1) and 1.6  $\mu\text{g/L}$  (MW-2). Ethylbenzene was detected in two wells at concentrations of 44  $\mu\text{g/L}$  (MW-1) and 22  $\mu\text{g/L}$  (MW-2). Xylenes were detected in two wells at concentrations of 100  $\mu\text{g/L}$  (MW-1) and 9.0  $\mu\text{g/L}$  (MW-2). MTBE was detected in two wells at concentrations of 1.0  $\mu\text{g/L}$  (MW-1) and 0.59  $\mu\text{g/L}$  (MW-2). No other petroleum hydrocarbons or fuel additives were detected above their respective laboratory reporting limit. Groundwater elevation and analytical data are summarized on Tables 1 and 2. Laboratory procedures, chain of custody records, and the certified analytical report for all analytes are included as Attachment B.

The average groundwater elevation at the Site during the monitoring and sampling event was 21.69 feet above mean sea level, which represents a decrease of approximately 1.01 feet from the Second Quarter 2008 sampling event. The groundwater flow direction this event was calculated to be toward

the southwest at a gradient of 0.0031 feet per foot (ft/ft). Historical groundwater flow at the site is predominantly to the southwest.

Purge water generated during the monitoring and sampling event was temporarily drummed on site pending transport and disposal at a licensed hazardous waste treatment facility.

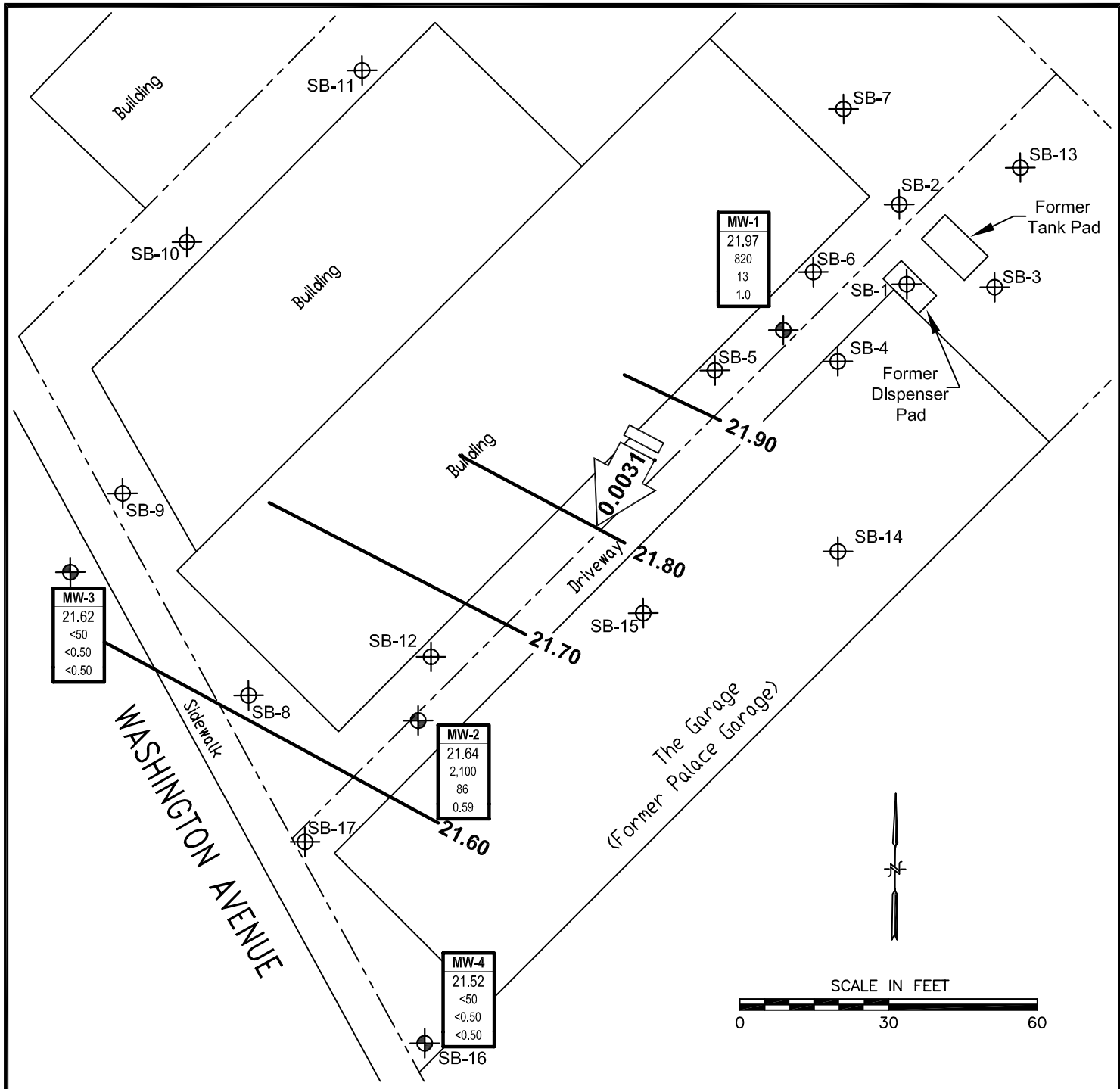
#### **CURRENT STATUS/RECENT DEVELOPMENTS:**

Closure Solutions conducted a Sensitive Receptor Survey to identify all water supply wells and sensitive receptors within a 2,000-foot radius of the Site. The closest water supply wells are two industrial wells approximately 450 feet northwest (up-gradient) of the Site. The closest domestic well is approximately 1,500 feet southeast (cross-gradient) of the Site. The closest down-gradient well is an irrigation well approximately 1,400 feet southwest of the Site. No surface water bodies were identified within a 2,000 foot radius of the Site. Results of the Sensitive Receptor Survey are presented in the *Sensitive Receptor Survey* report dated August 27, 2008. Closure Solutions is in the process of preparing a Site Conceptual Model for the Site and will produce a report of our findings.

Closure Solutions will continue to perform quarterly groundwater monitoring and sampling to monitor contaminant plume stability and degradation.

#### **ATTACHMENTS:**

- Figure 1 – Third Quarter 2008 Groundwater Elevation & Contour – August 7, 2008
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Oxygenate and Lead Scavenger Analytical Data
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedure, Certified Analytical Reports and Chain-of-Custody Records



**LEGEND:**

- GROUNDWATER MONITORING WELL
- SOIL BORING
- |       |  |
|-------|--|
| WELL  | WELL DESIGNATION                             |
| ELEV. | GROUNDWATER ELEVATION (FT ABOVE MSL)         |
| TPHG  | TPHg, BENZENE AND MTBE CONCENTRATIONS (µg/L) |
| BENZ  |  |
| MTBE  |  |
- < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
- NS NOT SAMPLED
- FP FREE PRODUCT
- 21.61\* GROUNDWATER ELEVATION NOT USED IN CONTOURING
- 21.90 GROUNDWATER ELEVATION CONTOURS (FEET ABOVE MEAN SEA LEVEL)
- 0.0031 GROUNDWATER FLOW DIRECTION AND GRADIENT

**NOTES:**

1. BASEMAP SOURCE: MORROW SURVEYING, 2/05/03

**FIGURE 1**

**THIRD QUARTER 2008  
GROUNDWATER MONITORING  
& SAMPLING RESULTS  
GROUNDWATER FLOW DIRECTION  
& CHEMICAL CONCENTRATIONS**

**AUGUST 7, 2008**

PALACE GARAGE  
14336 WASHINGTON AVENUE  
SAN LEANDRO, CALIFORNIA



**CLOSURE SOLUTIONS, INC.**

1243 Oak Knoll Drive • Concord  
California • 94521  
Phone: (925) 429-5555 • Fax: (925) 459-5602

**Table 1**  
Groundwater Elevation and Analytical Data

Palace Garage  
14336 Washington Avenue  
San Leandro, California

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	LAB
MW-1	12/31/02	37.59	13.62	23.97	48,000	1,030	2,380	1,690	9,220	---
	9/22/06		13.33	24.26	44,000	870	2,200	720	9,700	---
	12/21/06		13.94	23.65	17,000	240	980	180	5,000	---
	3/29/07		13.71	23.88	2,000	30	85	23	550	---
	9/27/07		15.53	22.06	540	14	3.9	44	87	KIFF
	12/20/07		15.69	21.90	280	4.3	1.3	15	37	KIFF
	2/21/08		13.72	23.87	19,000	300	150	1,100	4,900	KIFF
	5/15/08		14.60	22.99	7,200	140	50	370	2,040	KIFF
	8/7/08		15.62	21.97	<b>820</b>	<b>13</b>	<b>3.1</b>	<b>44</b>	<b>100</b>	KIFF
MW-2	12/31/02	37.12	13.38	23.74	1,670	1,030	11.00	23	16.4	---
	9/22/06		13.25	23.87	1,800	53	1.40	14	7.5	---
	12/21/06		13.89	23.23	--	--	--	--	--	---
	3/29/07		13.57	23.55	2,100	51	1.30	--	4.5	---
	9/27/07		15-37	21.75	1,600	58	0.99	12	3.7	KIFF
	12/20/07		15.40	21.72	1,500	63	1.1	16	4.9	KIFF
	2/21/08		13.60	23.52	710	23	ND<0.50	6.2	1.1	KIFF
	5/15/08		14.47	22.65	1,600	84	1.4	28	9.8	KIFF
	8/7/08		15.48	21.64	<b>2,100</b>	<b>86</b>	<b>1.6</b>	<b>22</b>	<b>9.0</b>	KIFF
MW-3	12/31/02	37.01	13.29	23.72	<50	<0.5	<0.5	<0.5	<1.0	---
	9/22/06		13.14	23.87	<50	<0.5	<0.5	<0.5	<1.5	---
	12/21/06		--	--	--	--	--	--	--	---
	3/29/07		13.47	23.54	<50	<0.5	<0.5	<0.5	<1.5	---
	9/27/07		15.29	21.72	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	12/20/07		15.30	21.71	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	2/21/08		---	---	---	---	---	---	---	---
	5/15/08		14.35	22.66	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	KIFF
	8/7/08		15.39	21.62	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
MW-4	12/31/02	37.09	13.45	23.64	<50	<0.5	<0.5	<0.5	<1.0	---
	9/22/06		13.40	23.69	<50	<0.5	<0.5	<0.5	<1.5	---
	12/21/06		13.86	23.23	<50	<0.5	<0.5	<0.5	<1.5	---
	3/29/07		13.69	23.40	<50	<0.5	<0.5	<0.5	<1.5	---
	9/27/07		15.48	21.61	ND<50	1.5	ND<0.50	0.71	0.74	KIFF
	12/20/07		15.28	21.81	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	2/21/08		13.56	23.53	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	KIFF
	5/15/08		14.58	22.51	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	KIFF
	8/7/08		15.57	21.52	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF

**Table 1**  
Groundwater Elevation and Analytical Data

Palace Garage  
14336 Washington Avenue  
San Leandro, California

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ABBREVIATIONS:

TPHg	Total Petroleum Hydrocarbons as Gasoline
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
ug/L	Micrograms per liter (parts per billion [ppb])
---	Not analyzed/measured/applicable
ND<	Not detected at or above specified laboratory reporting limit
KIFF	Kiff Analytical LLC, Davis, Ca
NA	Not Accessible / Not Available
NS	No Sampled
<b>Bold</b>	Detection

LIMITATIONS:

Background information, including but not limited to previous field measurements, analytical results, Site plans, and other data have been obtained from previous consultants, and/or third parties, in the preparation of this report. Closure Solutions has relied on this information as furnished. Closure Solutions is not responsible for, nor has it confirmed the accuracy of data collected or generated by others.

**Table 2**  
Fuel Oxygenate & Lead Scavenger Analytical Data

Palace Garage  
14336 Washington Avenue  
San Leandro, California

Well Number	Date Sampled	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	LAB
MW-1	12/31/02	<0.5	--	--	--	--	--	--	
	9/22/06	<1.0	--	--	--	--	--	--	
	12/21/06	3.9	--	--	--	--	--	--	
	3/29/07	<1.0	--	--	--	--	--	--	
	9/27/07	1.6	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	12/21/07	1.5	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	2/21/08	ND<7.0	ND<40	ND<7.0	ND<7.0	ND<7.0	ND<7.0	ND<7.0	KIFF
	5/15/08	ND<2.5	ND<15	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	KIFF
	8/7/08	<b>1.0</b>	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
MW-2	12/31/02	<0.5	--	--	--	--	--	--	
	9/22/06	<1.0	--	--	--	--	--	--	
	12/21/06	--	--	--	--	--	--	--	
	3/29/07	1.10	--	--	--	--	--	--	
	9/27/07	0.89	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	12/20/07	0.95	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	2/21/08	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	5/15/08	ND<0.90	ND<5.0	ND<0.90	ND<0.90	ND<0.90	ND<0.90	ND<0.90	KIFF
	8/7/08	<b>0.59</b>	ND<5.0	ND<0.90	ND<0.90	ND<0.90	ND<0.90	--	--
MW-3	12/31/02	<0.5	--	--	--	--	--	--	
	9/22/06	<1.0	--	--	--	--	--	--	
	12/21/06	--	--	--	--	--	--	--	
	3/29/07	<1.0	--	--	--	--	--	--	
	9/27/07	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	12/20/07	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	2/21/08	--	--	--	--	--	--	--	--
	5/15/08	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	8/7/08	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--
MW-4	12/31/02	<0.5	--	--	--	--	--	--	
	9/22/06	<1.0	--	--	--	--	--	--	
	12/21/06	<1.0	--	--	--	--	--	--	
	3/29/07	<1.0	--	--	--	--	--	--	
	9/27/07	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	12/20/07	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	2/21/08	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	5/15/08	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	8/7/08	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--



**Table 2**  
Fuel Oxygenate & Lead Scavenger Analytical Data

Palace Garage  
14336 Washington Avenue  
San Leandro, California

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ABBREVIATIONS:

MTBE	Methyl Tertiary Butyl Ether
TBA	Tertiary Butyl Alcohol
DIPE	Diisopropyl Ether
ETBE	Ethyl Tertiary Butyl ether
TAME	Tertiary Amyl Methyl Ether
1,2-DCA	1,2-Dichloroethane
EDB	1,2-Dibromoethane
KIFF	Kiff Analytical LLC, Davis, Ca
ug/L	Micrograms per liter (parts per billion [ppb])
---	Not analyzed/measured/applicable
ND*	Not detected at or above raised laboratory detection limits
ND<	Not detected at or above specified laboratory reporting limit
NA	Not Accessible / Not Available
NS	Not Sampled
<b>Bold</b>	Detection

LIMITATIONS:

Background information, including but not limited to previous field measurements, analytical results, Site plans, and other data have been obtained from previous consultants, and/or third parties, in the preparation of this report. Closure Solutions has relied on this information as furnished. Closure Solutions is not responsible for, nor has it confirmed the accuracy of data collected or generated by others.

**Attachment A**

**Field Procedures and Field Data Sheets**



## **Confluence Environmental, Inc**

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### **Standard Operating Procedures: Basic Gauge, Purge, and Sample.**

#### **Routine Water Level Measurements**

1. Confirm that water or debris will not enter the well box upon removal of the well box lid.
2. Remove the cover using the appropriate tools.
3. Inspect the wellhead for deficiencies and document accordingly.
4. Confirm that water or debris will not enter the well upon removal of the well cap.
5. Unlock and remove the well cap lock (if applicable). If lock is not functional cut it off.
6. Loosen and remove the well cap. CAUTION: DO NOT PLACE YOUR FACE OR HEAD DIRECTLY OVER WELLHEAD WHEN REMOVING THE WELL CAP. WELL CAP MAY BE UNDER PRESSURE AND/OR MAY RELEASE ACCUMULATED AND POTENTIALLY HARMFUL VAPORS.
7. Verify and identify survey point as written on S.O.W.
  - TOC: If survey point is listed as Top of Casing (TOC), look for the exact survey point in the form of a notch or mark on the top of the casing. If no mark is present, use the north side of the casing as the measuring point.
  - TOB: If survey point is listed as Top of Box (TOB), the measuring point will be established manually. Place the inverted well box lid halfway across the well box opening and directly over the casing. The lower edge of the inverted cover directly over the casing will be the measuring point.
8. Put new Nitrile gloves on your hands.
9. Slowly lower the decontaminated water level meter probe into the well until it signals contact with water with a tone and/or flashing a light.
10. Gently raise the probe tip slightly above the water and hold it there. Wait momentarily to see if the meter emits a tone, signaling rising water in the casing. Gently lower the probe tip slightly below the water. Wait momentarily to see if the meter stops emitting a tone, signaling dropping water in the casing. Continue process until water level stabilizes indicating that the well has equilibrated.
11. While holding the probe at first contact with water and the tape against the measuring point, note depth. Repeat twice to verify accuracy. Write down measurement on well gauging sheet under depth to water column.
12. Recover probe, replace and tighten well cap, replace lock (if applicable), replace well box cover and tighten hardware (if applicable)

#### **Purging With a Bailer (Teflon or Disposable)**

1. Attach bailer cord or string to bailer. Leave other end attached to spool.
2. Gently lower empty bailer into well until well bottom is reached.
3. Cut cord from spool. Tie a loop at end cord.
4. Gently raise full bailer out of well and clear of wellhead. Do not let the bailer or cord touch the ground.
5. Pour contents into graduated 5-gallon bucket or other graduated receptacle.
6. Repeat purging process.

7. Upon removal of first casing volume, fill clean parameter cup with purge water, empty the remainder of the purge water into the bucket, lower the bailer back into the well and secure the cord on the Sampling Vehicle.
8. Use the water in the cup to collect and record parameter measurements.
9. Continue purging until second casing volume is removed.
10. Collect parameter measurements.
11. Continue purging until third casing volume is removed.
12. Collect parameter measurements. If parameters are stable, stop purging. If parameters remain unstable, continue purging until stabilization occurs or the fifth casing volume is removed.

### **Purging With a Fixed Speed Electric Submersible Pump**

1. Position thoroughly decontaminated pump over the top of the well.
2. Gently unreel and lower the pump to the well bottom.
3. Raise the pump to client specified location within screened interval. If no direction is given the pump inlet will be placed 5 feet above the bottom of the well.
4. Secure the hose reel.
5. Begin purging.
6. Verify pump rate with flow meter or graduated 5-gallon bucket
7. Upon removal of first casing volume, fill clean parameter cup with water.
8. Use the water in the cup to collect and record parameter measurements.
9. Continue purging until second casing volume is removed.
10. Collect parameter measurements.
11. Continue purging until third casing volume is removed.
12. Collect parameter measurements. If parameters are stable, stop purging. If parameters remain unstable, continue purging until stabilization occurs or the fifth casing volume is removed.
13. Upon completion of purging, gently recover the pump and secure the reel.

### **Sampling with a Bailer (Teflon or Disposable)**

1. Put new Latex or Nitrile gloves on your hands.
2. Determine required bottle set.
3. Fill out sample labels completely and attach to bottles.
4. Arrange bottles in filling order and loosen caps (see Determine Collection Order below).
5. Attach bailer cord or string to bailer. Leave other end attached to spool.
6. Gently lower empty bailer into well until water is reached.
7. As bailer fills, cut cord from spool and tie end of cord to hand.
8. Gently raise full bailer out of well and clear of well head. Do not let the bailer or cord touch the ground. If a set of parameter measurements is required, go to step 9. If no additional measurements are required, go to step 11.
9. Fill a clean parameter cup, empty the remainder contained in the bailer into the sink, lower the bailer back into the well and secure the cord on the sampling vehicle. Use the water in the cup to collect and record parameter measurements.
10. Fill bailer again and carefully remove it from the well.

- 11.** Slowly fill and cap sample bottles. Fill and cap volatile compounds first, then semi-volatile, then inorganic (see following steps). Return to the well as needed for additional sample material.
- 12.** Fill 40-milliliter vials for volatile compounds as follows: Slowly pour water down the inside on the vial. Carefully pour the last drops creating a convex or positive meniscus on the surface. Gently screw the cap on eliminating any air space in the vial. Turn the vial over, tap several times and check for trapped bubbles. If bubbles are present, repeat process.
- 13.** Fill 1 liter amber bottles for semi-volatile compounds as follows: Slowly pour water into the bottle. Leave approximately 1 inch of headspace in the bottle. Cap bottle.
- 14.** Field filtering of inorganic samples using a disposable bailer is performed as follows: Attach 0.45 micron filter to connector plug. Attach connector plug to bottom of full disposable bailer. Water will gravity feed through the filter and into the sample bottle. If high turbidity level of water clogs filter, repeat process with new filter until bottle is filled. Leave headspace in the bottle. Cap bottle.
- 15.** Bag samples and place in ice chest.
- 16.** Note sample collection details on well data sheet and Chain of Custody.

Project Contact (Hardcopy or PDF To): Ren Chinn		California EDF Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Chain-of-Custody Record and Analysis Request																																																				
Company / Address: Closure Solutions 1243 Oak Knoll Drive, Concord, CA 94521		Sampling Company Log Code: CEBC																																																						
Phone Number: 925-429-5555		Global ID:		Analysis Request																																																				
Fax Number: 925-801-0696		EDF Deliverable To (Email Address):																																																						
Project #: M2-020807	P.O. #:	Bill to: Closure Solutions		<table border="1"> <tr> <td>MTBE @ 0.6 ppb (EPA 8260G)</td> <td>RTX (EPA 8260G)</td> <td>TPH Gas (EPA 8260G)</td> <td>5 Organics (MTEC, DPEC, ETBEC, TAME, THM) (EPA 8260G)</td> <td>7 Organics (5 org + BCL) (MCH10) (EPA 8260G)</td> <td>Lead (Swab, 11.2 DCA &amp; 1.2 ED60) (EPA 8260G)</td> <td>Volatile Halocarbons - 6C-10 List (EPA 8260G)</td> <td>Volatile Organics Full List (EPA 8260G)</td> <td>Volatile Organics (EPA 8260.2 Drinking Water)</td> <td>TPH as Diesel (EPA 8260G)</td> <td>TPH as Motor Oil (EPA 8015M)</td> <td>CAM 17 Metals (EPA 200.7 / 831G)</td> <td>5 Vials of Metals (Cd, Cr, Ni, Pb, Zn) (EPA 200.7 / 831G)</td> <td>Mercury (EPA 245.1 / 7470 / 7471)</td> <td>Total Lead (EPA 200.7 / 831G)</td> <td>W.E.T. Lead (STLCL)</td> <td>Bromide (EPA 200.5)</td> <td>Monovalent Chromium (EPA 7198A)</td> </tr> <tr> <td colspan="12"></td> <td colspan="2">circle method</td> </tr> </table>												MTBE @ 0.6 ppb (EPA 8260G)	RTX (EPA 8260G)	TPH Gas (EPA 8260G)	5 Organics (MTEC, DPEC, ETBEC, TAME, THM) (EPA 8260G)	7 Organics (5 org + BCL) (MCH10) (EPA 8260G)	Lead (Swab, 11.2 DCA & 1.2 ED60) (EPA 8260G)	Volatile Halocarbons - 6C-10 List (EPA 8260G)	Volatile Organics Full List (EPA 8260G)	Volatile Organics (EPA 8260.2 Drinking Water)	TPH as Diesel (EPA 8260G)	TPH as Motor Oil (EPA 8015M)	CAM 17 Metals (EPA 200.7 / 831G)	5 Vials of Metals (Cd, Cr, Ni, Pb, Zn) (EPA 200.7 / 831G)	Mercury (EPA 245.1 / 7470 / 7471)	Total Lead (EPA 200.7 / 831G)	W.E.T. Lead (STLCL)	Bromide (EPA 200.5)	Monovalent Chromium (EPA 7198A)													circle method										
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Project Name: Palace Garage		Sampler Signature: <i>[Signature]</i>		<table border="1"> <tr> <td>TAT</td> <td><input type="checkbox"/> 12 hr</td> <td><input type="checkbox"/> 24 hr</td> <td><input type="checkbox"/> 48 hr</td> <td><input type="checkbox"/> 72 hr</td> <td><input type="checkbox"/> 96 hr</td> <td colspan="12">For Lab Use Only</td> </tr> </table>												TAT	<input type="checkbox"/> 12 hr	<input type="checkbox"/> 24 hr	<input type="checkbox"/> 48 hr	<input type="checkbox"/> 72 hr	<input type="checkbox"/> 96 hr	For Lab Use Only																																		
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Project Address: San Leandro, CA		Sampling		Container		Preservative			Matrix			<table border="1"> <tr> <th>Sample Designation</th> <th>Date</th> <th>Time</th> <th>40 ml VOA</th> <th>Sleeve</th> <th>Poly</th> <th>Glass</th> <th>Tetra</th> <th>HCl</th> <th>HNO<sub>3</sub></th> <th>Nitric</th> <th>Water</th> <th>Soil</th> <th>AY</th> <th>MTBE @ 0.6 ppb (EPA 8260G)</th> <th>RTX (EPA 8260G)</th> <th>TPH Gas (EPA 8260G)</th> <th>5 Organics (MTEC, DPEC, ETBEC, TAME, THM) (EPA 8260G)</th> <th>7 Organics (5 org + BCL) (MCH10) (EPA 8260G)</th> <th>Lead (Swab, 11.2 DCA &amp; 1.2 ED60) (EPA 8260G)</th> <th>Volatile Halocarbons - 6C-10 List (EPA 8260G)</th> <th>Volatile Organics Full List (EPA 8260G)</th> <th>Volatile Organics (EPA 8260.2 Drinking Water)</th> <th>TPH as Diesel (EPA 8260G)</th> <th>TPH as Motor Oil (EPA 8015M)</th> <th>CAM 17 Metals (EPA 200.7 / 831G)</th> <th>5 Vials of Metals (Cd, Cr, Ni, Pb, Zn) (EPA 200.7 / 831G)</th> <th>Mercury (EPA 245.1 / 7470 / 7471)</th> <th>Total Lead (EPA 200.7 / 831G)</th> <th>W.E.T. Lead (STLCL)</th> <th>Bromide (EPA 200.5)</th> <th>Monovalent Chromium (EPA 7198A)</th> <th>TAT</th> </tr> </table>												Sample Designation	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tetra	HCl	HNO <sub>3</sub>	Nitric	Water	Soil	AY	MTBE @ 0.6 ppb (EPA 8260G)	RTX (EPA 8260G)	TPH Gas (EPA 8260G)	5 Organics (MTEC, DPEC, ETBEC, TAME, THM) (EPA 8260G)	7 Organics (5 org + BCL) (MCH10) (EPA 8260G)	Lead (Swab, 11.2 DCA & 1.2 ED60) (EPA 8260G)	Volatile Halocarbons - 6C-10 List (EPA 8260G)	Volatile Organics Full List (EPA 8260G)	Volatile Organics (EPA 8260.2 Drinking Water)	TPH as Diesel (EPA 8260G)	TPH as Motor Oil (EPA 8015M)	CAM 17 Metals (EPA 200.7 / 831G)	5 Vials of Metals (Cd, Cr, Ni, Pb, Zn) (EPA 200.7 / 831G)	Mercury (EPA 245.1 / 7470 / 7471)	Total Lead (EPA 200.7 / 831G)	W.E.T. Lead (STLCL)	Bromide (EPA 200.5)	Monovalent Chromium (EPA 7198A)	TAT
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MW-1		8/7	1255	3				X			X			X	X	X																	X	01																						
MW-2			1310	3				X			X			X	X	X																X	02																							
MW-3			1225	3				X			X			X	X	X																X	03																							
MW-4			1240	3				X			X			X	X	X																X	04																							
OCTB				2				X			X			X	X	X																X	05																							
Relinquished by: <i>[Signature]</i>		Date: 8/8/08	Time: 1225	Received by: <i>[Signature]</i>		Remarks: Also send on the following when sending pdf copy of report: brown@confurance-env.com, jama@confurance-env.com thofmore@dos-resolutions.com, troy@downsolutions.com																																																		
Relinquished by: <i>[Signature]</i>		Date: 080808	Time: 1240	Received by Laboratory: <i>[Signature]</i> KIFF Analytical																																																				
Relinquished by: <i>[Signature]</i>		Date: 080808	Time: 1237	Received by Laboratory: <i>[Signature]</i> KIFF Analytical		For Lab Use Only: Sample Receipt																																																		
						Temp °C	Initials	Date	Time	Therm. ID #	Custody Present																																													
						5.7	LTR	080808	1237	IR-2	Yes / No																																													

# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Forms designed for use on efile (12/03/03) (operator))

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No.		Manifest Document No.	2. Page 1 of
3. Generator's Name and Mailing Address <i>Relax Garage 14336 Washington Ave San Leandro CA</i>		4. Generator's Phone ( )			
5. Transporter 1 Company Name <i>Confluence Environmental</i>		6. US EPA ID Number		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone <i>710-760-7644</i>	
9. Designated Facility Name and Site Address <i>ISI 1105 Airport Rd. Rio Vista CA</i>		10. US EPA ID Number		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone <i>707-374-3834</i>	
11. WASTE DESCRIPTION			12. Containers		14. Lbs./Vol.
			No.	Type	
a. <i>NON-HAZ DURGIEWATER</i>			<i>1</i>	<i>Poly</i>	<i>12 GAL</i>
b.					
c.					
d.					
16. Additional Descriptions for Materials Listed Above			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information					
19. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.					
Printed/Typed Name <i>Brandon Myers</i>				Date Month Day Year <i>8 7 08</i>	
Signature <i>Brandon Myers</i>					
17. Transporter 1 Acknowledgment of Receipt of Materials				Date	
Printed/Typed Name				Month Day Year	
Signature					
18. Transporter 2 Acknowledgment of Receipt of Materials				Date	
Printed/Typed Name				Month Day Year	
Signature					
19. Discrepancy Indication Space					
20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 15.					
Printed/Typed Name <i>ISI</i>				Date	
Signature <i>Michael Whitehead</i>				Month Day Year <i>8 8 08</i>	

NON-HAZARDOUS WASTE GENERATOR

TRANSPORTER FACILITY



## Equipment Calibration Log

Job #: 112-080807		Client: CS			Site: Palace Garage				
Equipment make/model	Equipment ID/serial number	Date	Time	Calibration Standards	Equipment Reading	Equipment Calibrated	Temp (°C / °F)	Tech Init.	Comments
Ulthrometer	102164102	8/7	1700	pH 4.7, 7.0	4.0, 7.0	YES	16	BH	
L	L	L	L	cond 1413	1413	YES	16	BH	

Notes/comments:



# Well Maintenance Inspection Form

Client: CS Site: Palace Garage Date: 8/7/06  
 Job #: M2-060807 Technician: Bob Page      of     

Inspection Point	Entry Indicates Deficiency												Notes (Note any repairs made while on site)		
	Well Inspected - No Corrective Action Required	Cap non-functional	Lock non-functional	Lock missing	Bolts missing (# missing / # total tabs)	Tabs stripped (# stripped / # total tabs)	Traces broken (# broken / # of total tabs)	Annual seal	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade		Other (explain in notes)	Well Not Inspected (explain in notes)
MW-1				X	/	/	/	/	/						
MW-2				X	/	/	/	/	/						bad rim seal replaced
MW-3				X	/	/	/	/	/	seal required 8/7					bad rim seal
MW-4				X	/	/	/	/	/						Slip Cap (1")
					/	/	/	/	/						
					/	/	/	/	/						
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Notes: MW-3 ⇒ repaired annual seal MW-2 ⇒ New rim seal  
 New locks on MW-1, MW-2, MW-3

### Water Level Measurements

Job Number: *M2-060807* Date: *8/7/08* Client: *CS*

Site: *Palace Grange San Leandro*

Well I.D.	Time	Dia	Depth to NAPL	Thickness of NAPL	Depth to water (DTW)	Total Depth (measured)	Total Depth (historical)	Ref Point (TOC/TOB)	<i>e/d</i>
<i>AW-1</i>	<i>1708</i>	<i>2</i>			<i>15.62</i>	<i>23.40</i>		<i>TOC</i>	<i>3</i>
<i>AW-2</i>	<i>1710</i>	<i>2</i>			<i>15.48</i>	<i>23.64</i>			<i>4</i>
<i>AW-3</i>	<i>1705</i>	<i>2</i>			<i>15.39</i>	<i>23.09</i>			<i>1</i>
<i>AW-4</i>	<i>1702</i>	<i>3/4</i>			<i>15.57</i>	<i>21.95</i>			<i>1</i>



## Purging And Sampling Data Sheet

Job#: M2-080907	Sampler: B Myers J Kerns	Client: Closure Solutions
Well ID: MW-1	Date: 8/7/2008	Site: Palace Garage
Well diam: 1/4" 1" (2") 3" 4" 6" Other:	DTW: 15.02 Total Depth: 23.40	
Purge equip: ES - diam: Bladder Peri Waberra Positive Air Displacement Ext. System		
<input checked="" type="checkbox"/> Disp. bailer <input type="checkbox"/> teflon bailer    other: _____    Tubing: GD: New Dedicated NA		
Purge method: (3-5 Case Volume) Micro/Low-Flow Extraction Other:		
Pump depth/ intake:	Multipliers: 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"= 1.02 6"= 1.47 Radius <sup>2</sup> X 0.163	
(TD - DTW X Multiplier = 1 Volume)		80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = 1.2 X 3 = 3.5 (Total Purge)                      80% = 17.16

Time	Temp (°F)	pH	Cond (µS/cm)	Turbidity (NTU)	Purge Rate (gal or mL/min)	Volume Removed (gal / L)	Notes
1248	18.1	6.9	824	71000		1.2	
1250	18.3	6.8	826	232		2.4	
1252	18.1	6.8	827	214		3.5	

Did well deaerate? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		Total volume removed: <u>3.5</u> (gal / L)	
Sample method: <input checked="" type="checkbox"/> Disp. Bailor <input type="checkbox"/> Ded. Tubing <input type="checkbox"/> New Tubing <input type="checkbox"/> Ext. Port <input type="checkbox"/> Other:			
Sample date: 8/7/08	Sample time: <u>1253</u>	DTW at sample: <u>15.75</u>	
Sample ID: <u>MW-1</u>	Lab: <u>Kiff</u>	Number of bottles: <u>3</u>	
Analysis: <u>TPH-G, BTEX, Oxygenates(5)</u>			
Equipment blank ID <input type="checkbox"/>	Field blank ID <input type="checkbox"/>		
Duplicate ID:	Pre-purge DO:	Post purge DO:	
Fe2 <sup>+</sup> :	Pre-purge ORP:	Post purge ORP:	
NAPL depth:	Volume of NAPL:	Volume removed: _____ ml	



## Purging And Sampling Data Sheet

Job#: M2-080807	Sampler: B Myers J Kerns	Client: Closure Solutions
Well ID: <i>Hw-2</i>	Date: 8/7/2008	Site: Palace Garage
Well diam: 1/4" 1" <u>2"</u> 3" 4" 6" Other:	DTW: <i>15.48</i> Total Depth: <i>23.64</i>	
Purge equip: ES - diam: Bladder Peri Waterra Positive Air Displacement Ext. System		
<input checked="" type="checkbox"/> Disp. bailer <input type="checkbox"/> befon bailer other: <b>Tubing:</b> OD: New Dedicated NA		
Purge method: <u>3-5 Cate Volume</u> Micro/Low-Flow Extraction Other:		
Pump depth/ intake:	Multipliers: 1"= 0.94 2"= 0.15 3"= 0.37 4"= 0.65 5"= 1.02 6"= 1.47 radius <sup>2</sup> X 0.163	
[TD - DTW X Multiplier = 1 Volume		80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = 1.3 X 3 = 3.9 (Total Purge) 80% = 17.11

Time	Temp (°F)	pH	Cond (µS / µS)	Turbidity (NTU)	Purge Rate (gal or mL / min)	Volume Removed (gal / L)	Notes
1300	18.2	6.7	956	165		1.3	
1303	18.1	6.6	958	140		2.6	
1305	18.2	6.6	975	125		3.9	

Did well dewater? YES <input checked="" type="checkbox"/> NO		Total volume removed: <u>4</u> (gal / L)
Sample method: <u>Disp Bailor</u> Ded. Tubing New Tubing Ext. Port Other:		
Sample date: 8/7/08	Sample time: <u>1310</u>	DTW at sample: <u>15.58</u>
Sample ID: <u>Hw-2</u>	Lab: KII	Number of bottles: <u>5</u>
Analysis: TPH-G, BTEX, Oxygenates(5)		
Equipment blank ID @	Field blank ID @	
Duplicate ID:	Pre-purge DO:	Post purge DO:
Fe <sup>2+</sup> :	Pre-purge ORP:	Post purge ORP:
NAPL depth:	Volume of NAPL:	Volume removed: ml



## Purging And Sampling Data Sheet

Job#: M2-080807	Sampler: B Myers J Kerns	Client: Closure Solutions
Well ID: <u>MW-3</u>	Date: 8/7/2008	Site: Palace Garage
Well diam: 1/4" 1" <u>2"</u> 3" 4" 6" Other:	DTW: <u>15.39</u> Total Depth: <u>73.09</u>	
Purge equip: ES - diam: Bladder Perli Waterra Positive Air Displacement Ext. System <u>disp baller</u> teflon baller other:	Tubing: OD: New Dedicated NA	
Purge method: <u>3-5 Case Volume</u> Micro/Low-Flow Extraction Other:		
Pump depth/ intake:	Multipliers: 1"= 0.64 2"= 0.16 3"= 0.37 4"= 0.65 5"= 1.02 6"= 1.47 Radius <sup>2</sup> X 0.163	
(TD - DTW X Multiplier = 1 Volume)		80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = 1.2 X 3 = 3.5 (Total Purge) 80% = 16.91

Time	Temp (°F/°C)	pH	Cond (µS/cm)	Turbidity (NTU)	Purge Rate (gal or ml / min)	Volume Removed (gal / L)	Notes	
1218	70.4	6.7	605	206		1.2		
1221	69.2	6.6	605	272		2.4		
1223	68.9	6.6	609	283		3.5		
Did well dewater? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>					Total volume removed: <u>3.5</u> (gal / L)			
Sample method: <u>Disp Baller</u> Ded. Tubing New Tubing Ext. Port Other:								
Sample date: 8/7/08		Sample time: <u>1225</u>			DTW at sample: <u>15.45</u>			
Sample ID: <u>MW-3</u>		Lab: KIF			Number of bottles: <u>3</u>			
Analysis: TPH-G, BTEX, Oxygenates(5)								
Equipment blank ID @				Field blank ID @				
Duplicate ID:				Pre-purge DO:		Post-purge DO:		
Fe <sup>2+</sup> :				Pre-purge ORP:		Post-purge ORP:		
NAPL depth:		Volume of NAPL:			Volume removed:      ml			



## Purging And Sampling Data Sheet

Job#: M2-000007	Sampler: B Myers J Kerns	Client: Closure Solutions
Well ID: <i>MW-4</i>	Date: 8/7/2008	Site: Palace Garage
Well diam: 1/4" <del>2"</del> 3" 4" 6" Other: <i>3/4"</i>	DTW: <i>15.57</i> Total Depth: <i>21.95</i>	
Purge equip: ES - diam: Bladder Peri Waterloo Positive Air Displacement Ext. System disp bailer teflon bailer other: Tubing: OD: <i>1/2"</i> <u>New</u> Dedicated NA		
Purge method: <u>3-5 Case Volume</u> Micro/Low-Flow Extraction Other:		
Pump depth/ intake:	Multipliers: 1"=0.04 2"=0.16 3"=0.37 4"=0.65 5"=1.02 6"=1.47 Radius <sup>2</sup> X 0.353	
(TD - DTW) X Multiplier = 1 Volume		80% Recovery (TD - DTW) X 0.20 + DTW

1 Volume = 0.3 X 3 = 0.9 (Total Purge)

80% = 16.85

Time	Temp (°F)	pH	Cond (µS/cm)	Turbidity (NTU)	Purge Rate (gal or ml/min)	Volume Removed (gal/L)	Notes
1231	19.4	7.0	862	>1000		0.3	
1235	19.7	7.0	806	>1000		0.6	
1236	19.8	7.0	774	>1000		0.9	

Did well dewater? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Total volume removed: <u>1</u> (gal/L)
Sample method: Disp Bailer Ded. Tubing <u>New Tubing</u> Ext. Port Other:	
Sample date: 8/7/08	Sample time: <u>1240</u> DTW at sample: <u>16.85</u>
Sample ID: <u>MW-4</u>	Lab: KJH Number of bottles: <u>3</u>
Analysis: TPH-G, BTEX, Oxygenates(5)	
Equipment blank ID @	Field blank ID @
Duplicate ID:	Pre-purge DO: Post purge DO:
Fe <sup>2+</sup> :	Pre-purge ORP: Post purge ORP:
NAPL depth:	Volume of NAPL: Volume removed: ml



**Attachment B**

**Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody  
Records**



Report Number : 64095

Date : 08/13/2008

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

Subject : 5 Water Samples  
Project Name : Palace Garage, 14336 Washington, San Leandro  
Project Number : M2-080807

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,

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff





Report Number : 64095

Date : 08/13/2008

Project Name : **Palace Garage, 14336 Washington, San Leandro**

Project Number : **M2-080807**

Sample : **MW-1**

Matrix : Water

Lab Number : 64095-01

Sample Date :08/07/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	<b>13</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Toluene</b>	<b>3.1</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Ethylbenzene</b>	<b>44</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Total Xylenes</b>	<b>100</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Methyl-t-butyl ether (MTBE)</b>	<b>1.0</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Diisopropyl ether (DIPE)</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Ethyl-t-butyl ether (ETBE)</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Tert-amyl methyl ether (TAME)</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Tert-Butanol</b>	<b>&lt; 5.0</b>	5.0	ug/L	EPA 8260B	08/12/2008
<b>TPH as Gasoline</b>	<b>820</b>	50	ug/L	EPA 8260B	08/12/2008
1,2-Dichloroethane-d4 (Surr)	99.5		% Recovery	EPA 8260B	08/12/2008
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	08/12/2008



Report Number : 64095

Date : 08/13/2008

Project Name : **Palace Garage, 14336 Washington, San Leandro**

Project Number : **M2-080807**

Sample : **MW-2**

Matrix : Water

Lab Number : 64095-02

Sample Date :08/07/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	<b>86</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Toluene</b>	<b>1.6</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Ethylbenzene</b>	<b>22</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Total Xylenes</b>	<b>9.0</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Methyl-t-butyl ether (MTBE)</b>	<b>0.59</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Diisopropyl ether (DIPE)</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Ethyl-t-butyl ether (ETBE)</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Tert-amyl methyl ether (TAME)</b>	<b>&lt; 0.50</b>	0.50	ug/L	EPA 8260B	08/12/2008
<b>Tert-Butanol</b>	<b>&lt; 5.0</b>	5.0	ug/L	EPA 8260B	08/12/2008
<b>TPH as Gasoline</b>	<b>2100</b>	50	ug/L	EPA 8260B	08/12/2008
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	08/12/2008
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	08/12/2008



Report Number : 64095

Date : 08/13/2008

Project Name : **Palace Garage, 14336 Washington, San Leandro**

Project Number : **M2-080807**

Sample : **MW-3**

Matrix : Water

Lab Number : 64095-03

Sample Date :08/07/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Toluene</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Ethylbenzene</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Total Xylenes</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Methyl-t-butyl ether (MTBE)</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Diisopropyl ether (DIPE)</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Ethyl-t-butyl ether (ETBE)</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Tert-amyl methyl ether (TAME)</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Tert-Butanol</b>	< 5.0	5.0	ug/L	EPA 8260B	08/11/2008
<b>TPH as Gasoline</b>	< 50	50	ug/L	EPA 8260B	08/11/2008
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	08/11/2008
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	08/11/2008

Project Name : **Palace Garage, 14336 Washington, San Leandro**

Project Number : **M2-080807**

Sample : **MW-4**

Matrix : Water

Lab Number : 64095-04

Sample Date : 08/07/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Toluene</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Ethylbenzene</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Total Xylenes</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Methyl-t-butyl ether (MTBE)</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Diisopropyl ether (DIPE)</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Ethyl-t-butyl ether (ETBE)</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Tert-amyl methyl ether (TAME)</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Tert-Butanol</b>	< 5.0	5.0	ug/L	EPA 8260B	08/11/2008
<b>TPH as Gasoline</b>	< 50	50	ug/L	EPA 8260B	08/11/2008
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	08/11/2008
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	08/11/2008



Report Number : 64095

Date : 08/13/2008

Project Name : **Palace Garage, 14336 Washington, San Leandro**

Project Number : **M2-080807**

Sample : **QCTB**

Matrix : Water

Lab Number : 64095-05

Sample Date :08/07/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
<b>Benzene</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Toluene</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Ethylbenzene</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Total Xylenes</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Methyl-t-butyl ether (MTBE)</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Diisopropyl ether (DIPE)</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Ethyl-t-butyl ether (ETBE)</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Tert-amyl methyl ether (TAME)</b>	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
<b>Tert-Butanol</b>	< 5.0	5.0	ug/L	EPA 8260B	08/11/2008
<b>TPH as Gasoline</b>	< 50	50	ug/L	EPA 8260B	08/11/2008
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	08/11/2008
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	08/11/2008

Report Number : 64095

Date : 08/13/2008

**QC Report : Method Blank Data**

Project Name : **Palace Garage, 14336 Washington, San Leandro**

Project Number : **M2-080807**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008	Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008	Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008	Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008	Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008	Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008	Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008	Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	08/11/2008	Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	08/11/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008	Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/11/2008	TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/11/2008
1,2-Dichloroethane-d4 (Surr)	99.2		%	EPA 8260B	08/11/2008	1,2-Dichloroethane-d4 (Surr)	105		%	EPA 8260B	08/11/2008
Toluene - d8 (Surr)	99.0		%	EPA 8260B	08/11/2008	Toluene - d8 (Surr)	100		%	EPA 8260B	08/11/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008	Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008	Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008	Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008	Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008	Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008	Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008	Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	08/12/2008	Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	08/12/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008	Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	08/12/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/12/2008	TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/12/2008
1,2-Dichloroethane-d4 (Surr)	103		%	EPA 8260B	08/12/2008	1,2-Dichloroethane-d4 (Surr)	105		%	EPA 8260B	08/12/2008
Toluene - d8 (Surr)	95.2		%	EPA 8260B	08/12/2008	Toluene - d8 (Surr)	100		%	EPA 8260B	08/12/2008

KIFF ANALYTICAL, LLC

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

Report Number : 64095

Date : 08/13/2008

**QC Report : Method Blank Data**

Project Name : **Palace Garage, 14336 Washington, San Leandro**

Project Number : **M2-080807**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	08/11/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	08/11/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	08/11/2008
1,2-Dichloroethane-d4 (Surr)	100		%	EPA 8260B	08/11/2008
Toluene - d8 (Surr)	102		%	EPA 8260B	08/11/2008

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
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KIFF ANALYTICAL, LLC

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

**QC Report : Matrix Spike/ Matrix Spike Duplicate**Project Name : **Palace Garage, 14336**Project Number : **M2-080807**

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	64095-03	<0.50	40.1	40.1	40.5	38.2	ug/L	EPA 8260B	8/11/08	101	95.3	5.74	70-130	25
Methyl-t-butyl ether	64095-03	<0.50	40.1	40.1	40.7	37.6	ug/L	EPA 8260B	8/11/08	102	93.9	7.89	70-130	25
Tert-Butanol	64095-03	<5.0	200	200	199	197	ug/L	EPA 8260B	8/11/08	99.7	98.6	1.15	70-130	25
Toluene	64095-03	<0.50	39.5	39.5	39.0	38.5	ug/L	EPA 8260B	8/11/08	98.7	97.5	1.30	70-130	25
Benzene	64110-08	<0.50	40.1	40.1	35.9	36.3	ug/L	EPA 8260B	8/12/08	89.6	90.6	1.10	70-130	25
Methyl-t-butyl ether	64110-08	<0.50	40.1	40.1	34.9	37.9	ug/L	EPA 8260B	8/12/08	87.0	94.5	8.27	70-130	25
Tert-Butanol	64110-08	<5.0	200	200	182	187	ug/L	EPA 8260B	8/12/08	91.1	93.6	2.71	70-130	25
Toluene	64110-08	<0.50	39.5	39.5	35.7	35.3	ug/L	EPA 8260B	8/12/08	90.2	89.3	0.944	70-130	25
Benzene	64081-11	8.0	40.1	40.1	49.1	48.7	ug/L	EPA 8260B	8/11/08	102	101	0.978	70-130	25
Methyl-t-butyl ether	64081-11	<0.50	40.1	40.1	38.1	37.8	ug/L	EPA 8260B	8/11/08	95.1	94.3	0.829	70-130	25
Tert-Butanol	64081-11	7.7	200	200	225	232	ug/L	EPA 8260B	8/11/08	109	112	3.10	70-130	25
Toluene	64081-11	<0.50	39.5	39.5	40.2	39.8	ug/L	EPA 8260B	8/11/08	102	101	0.983	70-130	25
Benzene	64110-03	<0.50	40.1	40.1	40.6	40.0	ug/L	EPA 8260B	8/12/08	101	99.8	1.38	70-130	25
Methyl-t-butyl ether	64110-03	<0.50	40.1	40.1	38.1	35.6	ug/L	EPA 8260B	8/12/08	95.0	88.7	6.86	70-130	25
Tert-Butanol	64110-03	<5.0	200	200	217	220	ug/L	EPA 8260B	8/12/08	109	110	1.28	70-130	25
Toluene	64110-03	<0.50	39.5	39.5	39.8	39.3	ug/L	EPA 8260B	8/12/08	101	99.4	1.38	70-130	25
Benzene	64095-04	<0.50	40.1	40.1	37.2	36.5	ug/L	EPA 8260B	8/11/08	92.6	91.0	1.78	70-130	25
Methyl-t-butyl ether	64095-04	<0.50	40.1	40.1	36.9	37.1	ug/L	EPA 8260B	8/11/08	92.1	92.5	0.438	70-130	25



Report Number : 64095

Date : 08/13/2008

**QC Report : Matrix Spike/ Matrix Spike Duplicate**

Project Name : **Palace Garage, 14336**

Project Number : **M2-080807**

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
Tert-Butanol	64095-04	<5.0	200	200	208	206	ug/L	EPA 8260B	8/11/08	104	103	0.957	70-130	25
Toluene	64095-04	<0.50	39.5	39.5	39.3	38.5	ug/L	EPA 8260B	8/11/08	99.3	97.4	1.96	70-130	25

KIFF ANALYTICAL, LLC

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

**QC Report : Laboratory Control Sample (LCS)**Project Name : **Palace Garage, 14336**Project Number : **M2-080807**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	39.9	ug/L	EPA 8260B	8/11/08	102	70-130
Methyl-t-butyl ether	40.0	ug/L	EPA 8260B	8/11/08	101	70-130
Tert-Butanol	199	ug/L	EPA 8260B	8/11/08	101	70-130
Toluene	39.9	ug/L	EPA 8260B	8/11/08	102	70-130
Benzene	39.9	ug/L	EPA 8260B	8/12/08	102	70-130
Methyl-t-butyl ether	40.0	ug/L	EPA 8260B	8/12/08	99.1	70-130
Tert-Butanol	199	ug/L	EPA 8260B	8/12/08	102	70-130
Toluene	39.9	ug/L	EPA 8260B	8/12/08	99.7	70-130
Benzene	40.1	ug/L	EPA 8260B	8/11/08	104	70-130
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	8/11/08	97.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	8/11/08	111	70-130
Toluene	40.1	ug/L	EPA 8260B	8/11/08	103	70-130
Benzene	40.1	ug/L	EPA 8260B	8/12/08	102	70-130
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	8/12/08	91.2	70-130
Tert-Butanol	200	ug/L	EPA 8260B	8/12/08	109	70-130
Toluene	40.1	ug/L	EPA 8260B	8/12/08	99.6	70-130
Benzene	40.1	ug/L	EPA 8260B	8/11/08	90.6	70-130

Report Number : 64095

Date : 08/13/2008

**QC Report : Laboratory Control Sample (LCS)**

Project Name : **Palace Garage, 14336**

Project Number : **M2-080807**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Methyl-t-butyl ether	40.2	ug/L	EPA 8260B	8/11/08	94.9	70-130
Tert-Butanol	200	ug/L	EPA 8260B	8/11/08	99.2	70-130
Toluene	40.1	ug/L	EPA 8260B	8/11/08	94.8	70-130

Project Contact (Hardcopy or PDF To):  
Ron Chinn

Company / Address: Closure Solutions  
1243 Oak Knoll Drive, Concord, CA 94521

Phone Number: 925-429-5555

Fax Number: 925-691-9696

Project #: M2-080807 P.O. #:

Project Name: Palace Garage

California EDF Report?  Yes  No

Sampling Company Log Code: CESC

Global ID:

EDF Deliverable To (Email Address):

Bill to: Closure Solutions

Sampler Signature: *[Signature]*

Chain-of-Custody Record and Analysis Request

Sample Designation	Sampling		Container				Preservative			Matrix			MTBE @ 0.5 ppb (EPA 8260B)	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B)	7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)	Volatile Halocarbons - 8010 List (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 824.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	circle method		Total Lead (EPA 200.7 / 6010)	W.E.T. Lead (STLC)	Bromate (EPA 300.0)	Hexavalent Chromium (EPA 7199A)	TAT	For Lab Use Only	
	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO <sub>3</sub>	None	Water	Soil												Air	5 Waste Oil Metals (Cd, Cr, Ni, Pb, Zn) (EPA 200.7 / 6010)							Mercury (EPA 245.1 / 7470 / 7471)
MW-1	8/7	1255	3					X			X			X	X	X															X	01
MW-2		1310	3					X			X			X	X	X															X	02
MW-3		1225	3					X			X			X	X	X															X	03
MW-4		1240	3					X			X			X	X	X															X	04
QCTB	-	-	2					X			X			X	X	X															X	05

Relinquished by: <i>[Signature]</i>	Date: 8/8/08	Time: 1225	Received by: <i>[Signature]</i>
Relinquished by: <i>[Signature]</i>	Date:	Time:	Received by:
Relinquished by: <i>[Signature]</i>	Date: 080808	Time: 1240	Received by Laboratory: <i>[Signature]</i> KIFF Analytical

Remarks:  
Also send cc the following when sending pdf copy of report:  
jbrown@confluence-env.com, jkerns@confluence-env.com  
rhoffmore@closure-solutions.com, tcroy@closure-solutions.com

For Lab Use Only: Sample Receipt					
Temp °C	Initials	Date	Time	Therm. ID #	Coolant Present
5.7	LJR	080808	1237	IR-2	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No