



CLOSURE SOLUTIONS, INC.

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3:04 pm, Dec 19, 2008

Alameda County
Environmental Health

December 19, 2008

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

RE: FOURTH 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:

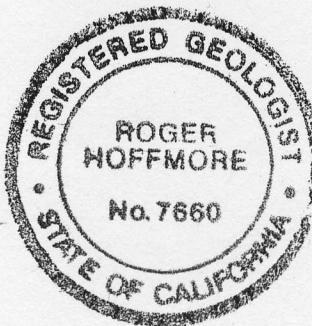
On behalf of Kerry & Associates, Closure Solutions, Incorporated (Closure Solutions) is submitting the *Fourth Quarter 2008 Groundwater Monitoring Report* for the Palace Garage facility, located at 14336 Washington Avenue, in San Leandro, California.

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.

Sincerely,

CLOSURE SOLUTIONS

Roger Hoffmore, P.G.
Senior Geologist



Enclosure: Fourth Quarter 2008 Groundwater Monitoring Report

cc: Mr. Jeff Kerry, Kerry & Associates

Date: December 19, 2008
Quarter: 4Q 2008

QUARTERLY GROUNDWATER MONITORING REPORT

SITE NAME:	Palace Garage
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: (Fourth – 2008):

1. Performed Fourth Quarter 2008 groundwater monitoring event on November 13, 2008
2. Prepared and submitted Fourth Quarter 2008 Groundwater Monitoring Report

WORK PROPOSED FOR NEXT QUARTER: (First – 2009):

1. Perform First Quarter 2009 groundwater monitoring event
2. Prepare First Quarter 2009 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 :	15.90 ft (MW-3) to 16.14 ft (MW-1)
Groundwater Gradient (direction):	Southwest
Groundwater Gradient (magnitude):	0.0030

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.

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 prepared and submitted a *Site Conceptual Model* (SCM) dated September 30, 2008 for the Site. The preparation of the SCM was requested by Alameda County Environmental Health (ACEH) in their letter dated September 2, 2008.

DISCUSSION OF MONITORING & SAMPLING RESULTS:

On November 13, 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 670 micrograms per liter ($\mu\text{g/L}$) (MW-1) and 2,300 $\mu\text{g/L}$ (MW-2). Benzene was detected in two wells at concentrations of 10 $\mu\text{g/L}$ (MW-1) and

46 µg/L (MW-2). Toluene was detected in two wells at concentrations of 2.1 µg/L (MW-1) and 1.1 µg/L (MW-2). Ethylbenzene was detected in two wells at concentrations of 31 µg/L (MW-1) and 15 µg/L (MW-2). Xylenes were detected in two wells at concentrations of 110 µg/L (MW-1) and 4.5 µg/L (MW-2). MTBE was detected in two wells at concentrations of 1.1 µg/L (MW-1) and 0.53 µg/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 21.17 feet above mean sea level, which represents a decrease of approximately 0.52 feet from the Third Quarter 2008 sampling event. The groundwater flow direction this event was calculated to be toward the southwest at a gradient of 0.0030 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 disposed of at the licensed Rio Vista, California hazardous waste treatment facility operated by Instrat, Inc.

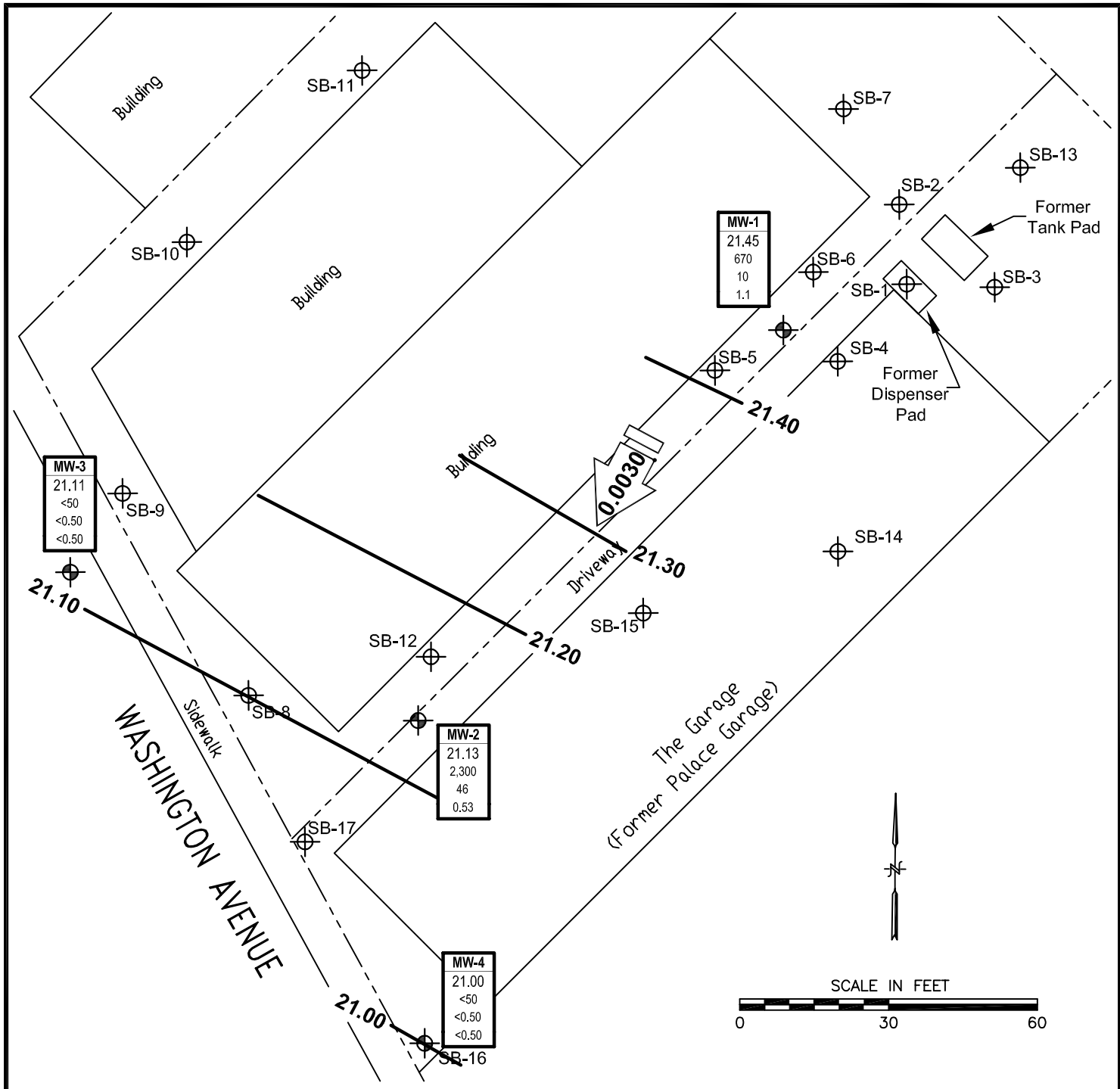
CURRENT STATUS/RECENT DEVELOPMENTS:

Closure Solutions prepared and submitted a *Site Conceptual Model* (SCM) dated September 30, 2008 for the Site. The preparation of the SCM was requested by Alameda County Environmental Health (ACEH) in their letter dated September 2, 2008. The SCM is a “living document” wherein data gaps are identified and subsequently filled as the investigation of the Site proceeds. At the point at which further investigation no longer substantially changes the SCM, the SCM is said to be “validated”. The validated SCM then forms the foundation for developing the most cost effective corrective action plan to protect existing and potential receptors.

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

ATTACHMENTS:

- Figure 1 – Fourth Quarter 2008 Groundwater Elevation & Contour – November 13, 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 [MSL])
- 0.0030 GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)

NOTES:

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

FIGURE 1

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

NOVEMBER 13, 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	12/31/2002	37.59	13.62	23.97	48,000	1,030	2,380	1,690	9,220	---
	9/22/2006		13.33	24.26	44,000	870	2,200	720	9,700	---
	12/21/2006		13.94	23.65	17,000	240	980	180	5,000	---
	3/29/2007		13.71	23.88	2,000	30	85	23	550	---
	9/27/2007		15.53	22.06	540	14	3.9	44	87	KIFF
	12/20/2007		15.69	21.90	280	4.3	1.3	15	37	KIFF
	2/21/2008		13.72	23.87	19,000	300	150	1,100	4,900	KIFF
	5/15/2008		14.60	22.99	7,200	140	50	370	2,040	KIFF
	8/7/2008		15.62	21.97	820	13	3.1	44	100	KIFF
	11/13/2008		16.14	21.45	670	10	2.1	31	110	
MW-2	12/31/2002	37.12	13.38	23.74	1,670	1,030	11.00	23	16.4	---
	9/22/2006		13.25	23.87	1,800	53	1.40	14	7.5	---
	12/21/2006		13.89	23.23	--	--	--	--	--	---
	3/29/2007		13.57	23.55	2,100	51	1.30	--	4.5	---
	9/27/2007		15.37	21.75	1,600	58	0.99	12	3.7	KIFF
	12/20/2007		15.40	21.72	1,500	63	1.1	16	4.9	KIFF
	2/21/2008		13.60	23.52	710	23	ND<0.50	6.2	1.1	KIFF
	5/15/2008		14.47	22.65	1,600	84	1.4	28	9.8	KIFF
	8/7/2008		15.48	21.64	2,100	86	1.6	22	9.0	KIFF
	11/13/2008		15.99	21.13	2,300	46	1.1	15	4.5	KIFF
MW-3	12/31/2002	37.01	13.29	23.72	<50	<0.5	<0.5	<0.5	<1.0	---
	9/22/2006		13.14	23.87	<50	<0.5	<0.5	<0.5	<1.5	---
	12/21/2006		--	--	--	--	--	--	--	---
	3/29/2007		13.47	23.54	<50	<0.5	<0.5	<0.5	<1.5	---
	9/27/2007		15.29	21.72	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	12/20/2007		15.30	21.71	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	2/21/2008		---	---	---	---	---	---	---	---
	5/15/2008		14.35	22.66	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	KIFF
	8/7/2008		15.39	21.62	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	11/13/2008		15.90	21.11	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
MW-4	12/31/2002	37.09	13.45	23.64	<50	<0.5	<0.5	<0.5	<1.0	---
	9/22/2006		13.40	23.69	<50	<0.5	<0.5	<0.5	<1.5	---
	12/21/2006		13.86	23.23	<50	<0.5	<0.5	<0.5	<1.5	---
	3/29/2007		13.69	23.40	<50	<0.5	<0.5	<0.5	<1.5	---
	9/27/2007		15.48	21.61	ND<50	1.5	ND<0.50	0.71	0.74	KIFF
	12/20/2007		15.28	21.81	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	2/21/2008		13.56	23.53	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	KIFF
	5/15/2008		14.58	22.51	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	KIFF
	8/7/2008		15.57	21.52	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	11/13/2008		16.09	21.00	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

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
Bold	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	12/31/2002	<0.5	--	--	--	--	--	--	
	9/22/2006	<1.0	--	--	--	--	--	--	
	12/21/2006	3.9	--	--	--	--	--	--	
	3/29/2007	<1.0	--	--	--	--	--	--	
	9/27/2007	1.6	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	12/21/2007	1.5	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	2/21/2008	ND<7.0	ND<40	ND<7.0	ND<7.0	ND<7.0	ND<7.0	ND<7.0	KIFF
	5/15/2008	ND<2.5	ND<15	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	KIFF
	8/7/2008	1.0	ND<5.0	ND<0.50	ND<0.50	ND<0.50	--	--	KIFF
	11/13/2008	1.1	ND<5.0	ND<0.50	ND<0.50	ND<0.50	--	--	KIFF
MW-2	12/31/2002	<0.5	--	--	--	--	--	--	
	9/22/2006	<1.0	--	--	--	--	--	--	
	12/21/2006	--	--	--	--	--	--	--	
	3/29/2007	1.10	--	--	--	--	--	--	
	9/27/2007	0.89	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	12/20/2007	0.95	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	2/21/2008	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	5/15/2008	ND<0.90	ND<5.0	ND<0.90	ND<0.90	ND<0.90	ND<0.90	ND<0.90	KIFF
	8/7/2008	0.59	ND<5.0	ND<0.90	ND<0.90	ND<0.90	--	--	KIFF
	11/13/2008	0.53	ND<5.0	ND<0.50	ND<0.50	ND<0.50	--	--	KIFF
MW-3	12/31/2002	<0.5	--	--	--	--	--	--	
	9/22/2006	<1.0	--	--	--	--	--	--	
	12/21/2006	--	--	--	--	--	--	--	
	3/29/2007	<1.0	--	--	--	--	--	--	
	9/27/2007	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	12/20/2007	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	2/21/2008	--	--	--	--	--	--	--	--
	5/15/2008	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	8/7/2008	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	--	--	KIFF
	11/13/2008	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	--	--	KIFF
MW-4	12/31/2002	<0.5	--	--	--	--	--	--	
	9/22/2006	<1.0	--	--	--	--	--	--	
	12/21/2006	<1.0	--	--	--	--	--	--	
	3/29/2007	<1.0	--	--	--	--	--	--	
	9/27/2007	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	12/20/2007	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	2/21/2008	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF
	5/15/2008	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	KIFF

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-4	8/7/2008	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	--	--	KIFF
(cont'd)	11/13/2008	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	--	--	KIFF

Table 2
Fuel Oxygenate & Lead Scavenger Analytical Data

Palace Garage
14336 Washington Avenue
San Leandro, California

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
Bold	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

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.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.	2. Page 1 of
3. Generator's Name and Mailing Address <i>Palace Garage 14336 Washington Ave San Leandro CA</i>		4. Generator's Phone ()			
5. Transporter 1 Company Name <i>Confluence ENV</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>916-760-7641</i>	
9. Designated Facility Name and Site Address <i>ISI 1105 Airport Rd. Palo Vista</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		13. Total Quantity
			No.	Type	14. Unit WL/Vol.
a. <i>NONHAR PURGE WATER</i>			<i>1</i>	<i>Poly</i>	<i>11</i>
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above <i>CLEAR NO ODORS/SOLIDS</i>			H. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information					
16. 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				Date	
Signature				Month	Day Year
17. Transporter 1 Acknowledgement of Receipt of Materials				Date	
Printed/Typed Name <i>Brandon Myers</i>				Month	Day Year
Signature <i>[Signature]</i>					
18. Transporter 2 Acknowledgement 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 19.					
Printed/Typed Name <i>Matt Belcher</i>				Date	
Signature <i>[Signature]</i>				Month	Day Year
				<i>11</i>	<i>14</i> <i>08</i>

NON-HAZARDOUS WASTE GENERATOR TRANSPORTER FACILITY

Attachment B

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



Report Number : 65890

Date : 11/18/2008

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 : M2-081113

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 : 65890

Date : 11/18/2008

Subject : 5 Water Samples
Project Name : Palace Garage-14336 Washington, San Leandro
Project Number : M2-081113

Case Narrative

Matrix Spike/Matrix Spike Duplicate results associated with samples MW-1, MW-2, MW-4, and QCTB for the analyte Benzene were affected by the analyte concentrations already present in the un-spiked sample.



Report Number : 65890

Date : 11/18/2008

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

Project Number : **M2-081113**

Sample : **MW-1**

Matrix : Water

Lab Number : 65890-01

Sample Date :11/13/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	10	0.50	ug/L	EPA 8260B	11/15/2008
Toluene	2.1	0.50	ug/L	EPA 8260B	11/15/2008
Ethylbenzene	31	0.50	ug/L	EPA 8260B	11/15/2008
Total Xylenes	110	0.50	ug/L	EPA 8260B	11/15/2008
Methyl-t-butyl ether (MTBE)	1.1	0.50	ug/L	EPA 8260B	11/15/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/15/2008
TPH as Gasoline	670	50	ug/L	EPA 8260B	11/15/2008
1,2-Dichloroethane-d4 (Surr)	97.0		% Recovery	EPA 8260B	11/15/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	11/15/2008



Report Number : 65890

Date : 11/18/2008

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

Project Number : **M2-081113**

Sample : **MW-2**

Matrix : Water

Lab Number : 65890-02

Sample Date :11/13/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	46	0.50	ug/L	EPA 8260B	11/15/2008
Toluene	1.1	0.50	ug/L	EPA 8260B	11/15/2008
Ethylbenzene	15	0.50	ug/L	EPA 8260B	11/15/2008
Total Xylenes	4.5	0.50	ug/L	EPA 8260B	11/15/2008
Methyl-t-butyl ether (MTBE)	0.53	0.50	ug/L	EPA 8260B	11/15/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/15/2008
TPH as Gasoline	2300	50	ug/L	EPA 8260B	11/15/2008
1,2-Dichloroethane-d4 (Surr)	93.6		% Recovery	EPA 8260B	11/15/2008
Toluene - d8 (Surr)	97.5		% Recovery	EPA 8260B	11/15/2008



Report Number : 65890

Date : 11/18/2008

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

Project Number : **M2-081113**

Sample : **MW-3**

Matrix : Water

Lab Number : 65890-03

Sample Date :11/13/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/17/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/17/2008
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	11/17/2008
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	11/17/2008



Report Number : 65890

Date : 11/18/2008

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

Project Number : **M2-081113**

Sample : **MW-4**

Matrix : Water

Lab Number : 65890-04

Sample Date :11/13/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/15/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/15/2008
1,2-Dichloroethane-d4 (Surr)	96.1		% Recovery	EPA 8260B	11/15/2008
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	11/15/2008



Report Number : 65890

Date : 11/18/2008

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

Project Number : **M2-081113**

Sample : **QCTB**

Matrix : Water

Lab Number : 65890-05

Sample Date :11/13/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/15/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/15/2008
1,2-Dichloroethane-d4 (Surr)	97.9		% Recovery	EPA 8260B	11/15/2008
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	11/15/2008

Report Number : 65890

Date : 11/18/2008

QC Report : Method Blank Data

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

Project Number : **M2-081113**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/15/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/15/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/15/2008
1,2-Dichloroethane-d4 (Surr)	96.1		%	EPA 8260B	11/15/2008
Toluene - d8 (Surr)	101		%	EPA 8260B	11/15/2008
Benzene	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
Toluene	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	11/17/2008
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	11/17/2008
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	11/17/2008
1,2-Dichloroethane-d4 (Surr)	103		%	EPA 8260B	11/17/2008
Toluene - d8 (Surr)	99.8		%	EPA 8260B	11/17/2008

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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KIFF ANALYTICAL, LLC

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

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **Palace Garage-14336 Washington, San Leandro**Project Number : **M2-081113**

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	65850-03	1200	40.1	40.1	1240	1200	ug/L	EPA 8260B	11/15/08	0.00	0.00	0.00	70-130	25
Methyl-t-butyl ether	65850-03	<0.50	39.6	39.6	29.5	30.2	ug/L	EPA 8260B	11/15/08	74.4	76.4	2.56	70-130	25
Tert-Butanol	65850-03	42	200	200	213	225	ug/L	EPA 8260B	11/15/08	85.4	91.4	6.73	70-130	25
Toluene	65850-03	38	39.5	39.5	72.8	72.5	ug/L	EPA 8260B	11/15/08	87.2	86.4	0.819	70-130	25
Benzene	65877-06	21	40.1	40.1	61.6	61.7	ug/L	EPA 8260B	11/17/08	101	101	0.277	70-130	25
Methyl-t-butyl ether	65877-06	60	39.6	39.6	102	102	ug/L	EPA 8260B	11/17/08	106	108	1.93	70-130	25
Tert-Butanol	65877-06	<5.0	200	200	205	205	ug/L	EPA 8260B	11/17/08	102	103	0.0791	70-130	25
Toluene	65877-06	<0.50	39.5	39.5	39.5	39.3	ug/L	EPA 8260B	11/17/08	100	99.5	0.465	70-130	25

QC Report : Laboratory Control Sample (LCS)Project Name : **Palace Garage-14336 Washington, San Leandro**Project Number : **M2-081113**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	39.9	ug/L	EPA 8260B	11/15/08	99.0	70-130
Methyl-t-butyl ether	39.5	ug/L	EPA 8260B	11/15/08	90.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	11/15/08	97.9	70-130
Toluene	39.9	ug/L	EPA 8260B	11/15/08	102	70-130
Benzene	40.2	ug/L	EPA 8260B	11/17/08	100	70-130
Methyl-t-butyl ether	39.8	ug/L	EPA 8260B	11/17/08	101	70-130
Tert-Butanol	201	ug/L	EPA 8260B	11/17/08	101	70-130
Toluene	40.2	ug/L	EPA 8260B	11/17/08	101	70-130

Project Contact (Hardcopy or PDF To): Ron 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: CESC		Analysis Request																									
Phone Number: 925-429-5555		Global ID:		circle method																									
Fax Number: 925-691-9696		EDF Deliverable To (Email Address):		<input type="checkbox"/> 12 hr <input type="checkbox"/> 24 hr <input type="checkbox"/> 48 hr <input type="checkbox"/> 72 hr <input checked="" type="checkbox"/> 1 wk																									
Project #: ME081113	P.O. #:	Bill to: Closure Solutions		For Lab Use Only																									
Project Name: Palace Garage		Sampler Signature: 																											
Project Address: San Leandro, CA		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 524.2 Drinking Water) TPH as Diesel (EPA 8015M) TPH as Motor Oil (EPA 8015M) CAM 17 Metals (EPA 200.7 / 6010) 5 Waste Oil Metals (Cd, Cr, Ni, Pb, Zn) (EPA 200.7 / 6010) Mercury (EPA 245.1 / 7470 / 7471) Total Lead (EPA 200.7 / 6010) W.E.T. Lead (STLC) Bromate (EPA 300.0) Hexavalent Chromium (EPA 7199A)																
		Date		Time		40 ml VOA		Sleeve		Poly		Glass													Tedlar		HCl		HNO ₃
Sample Designation		Date		Time		40 ml VOA		Sleeve		Poly		Glass		Tedlar		HCl		HNO ₃		None		Water		Soil		Air		TAT	
MW-1		11/13		1245		3										X						X				X		01	
MW-2		11/13		1300		3										X						X				X		02	
MW-3		11/13		1335		3										X						X				X		03	
MW-4		11/13		1310		3										X						X				X		04	
QCTB		11/13		---		2										X						X				X		05	
Relinquished by: 		Date 11/14/08		Time 1020		Received by:		Remarks: Also send cc the following when sending pdf copy of report: jbrown@confluence-env.com, jkerns@confluence-env.com rhoffmore@closureolutions.com, tcroy@closureolutions.com																					
Relinquished by:		Date		Time		Received by:																							
Relinquished by:		Date		Time		Received by Laboratory:																							
		11/14/08		1031		 KIFF 		For Lab Use Only: Sample Receipt																					
		Temp °C		Initials		Date		Time		Therm. ID #		Coolant Present																	
		3.1		TJB		11/14/08		1022		IR-2		Yes		No															