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Alameda County
Environmental Health

January 31, 2008

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

**Re: Fourth Quarter 2007 Groundwater Monitoring Report
Palace Garage
14336 Washington Avenue
San Leandro, California
SFRWQCB LUFT Case No. 01-1133**


Dear Dr. Hunt:

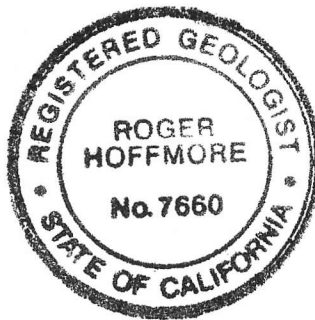
On behalf of Kerry & Associates, Closure Solutions, Incorporated (Closure Solutions) is submitting the *Fourth Quarter 2007 Groundwater Monitoring Report* for the Palace Garage facility, located at 14336 Washington Avenue, in San Leandro, California

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 2007 Groundwater Monitoring Report

cc: Mr. Jeff Kerry, Kerry & Associates

Date: January 31, 2008

Quarter: 4Q 2007

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. / Ronald D. Chinn, P.E.
Primary Agency/Regulatory ID No.:	Case No. 01-1133 (San Francisco Bay RWQCB)

WORK PERFORMED THIS QUARTER: (Fourth – 2007):

1. Prepared and submitted Third Quarter 2007 groundwater monitoring report.
2. Performed Fourth Quarter 2007 groundwater monitoring event on December 20, 2007.

WORK PROPOSED FOR NEXT QUARTER: (First – 2008):

1. Perform First Quarter 2008 groundwater monitoring event.
2. Prepare and submit Fourth Quarter 2007 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:	None
Depth to Groundwater :	15.28 ft (MW-4) to 15.69 ft (MW-1)
Groundwater Gradient (direction):	Southwest
Groundwater Gradient (magnitude):	0.0017

DISCUSSION:

The Fourth Quarter 2007 Groundwater Monitoring and Sampling event was performed at the former Palace Garage facility located at 14336 Washington Avenue, in San Leandro, California on December 20, 2007 (Figure 1).

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 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 December 20, 2007, Blaine Tech Services performed the monitoring and sampling activities at the site. A total of four monitoring wells (MW-1 through MW-4) were gauged and sampled in accordance with Blaine Tech Services' 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-butyl Alcohol (TBA), Ethyl tert-butyl ether (EtBE), Tert-amyl methyl ether (TAME), Ethanol, Methanol, 1,2-Dichloroethane (1,2-DCA), and 1,2-Dibromoethane (EDB). TPHg, BTEX constituents and the fuel oxygenates were analyzed by EPA Method 8260B.

TPHg was detected in two wells at concentrations of 280 micrograms per liter ($\mu\text{g/L}$) and 1,500

µg/L in wells MW-1 and MW-2, respectively. BTEX was detected in two wells this quarter at concentrations of 4.3 µg/L, 1.3 µg/L, 15 µg/L and 37 µg/L, respectively, in well MW-1 and 63 µg/L, 1.1 µg/L, 16 µg/L and 4.9 µg/L, respectively, in MW-2. MTBE was detected at concentrations of 1.5 µg/L and 0.95 µg/L in wells MW-1 and MW-2, respectively. No other fuel oxygenates or additives were detected above their respective laboratory reporting limit. Trichloroethene (TCE) was detected at a concentration of 10 µg/L in well MW-3. Laboratory procedures, chain of custody records, and the certified analytical report are included as Attachment B. Groundwater elevation and analytical data are summarized on Tables 1 and 2.

The average groundwater elevation at the Site during the monitoring and sampling event was 21.78 feet above mean sea level, which represents no change from the Third Quarter 2007 sampling event. The groundwater flow direction this event was calculated to be toward the southwest at a gradient of 0.0017 ft/ft, which is consistent with previous monitoring and sampling events.

Laboratory procedures, chain of custody records, and the certified analytical report are included as Attachment B. Groundwater elevation and analytical data are summarized on Tables 1 and 2.

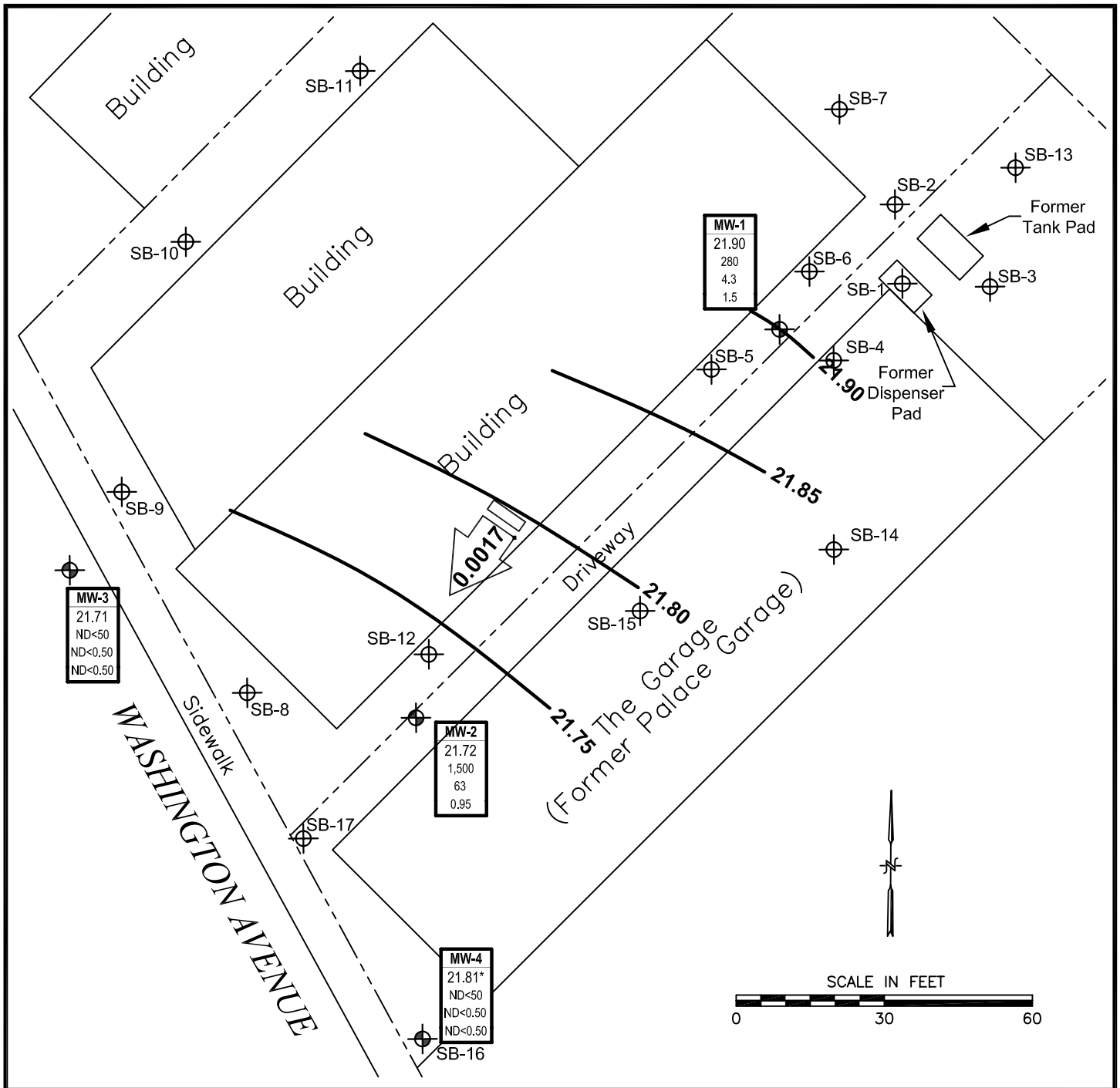
Purge water generated during the monitoring and sampling event was temporarily drummed on site pending transport and disposal at a licensed hazardous waste treatment facility.

CURRENT STATUS/RECENT DEVELOPMENTS:

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

ATTACHMENTS:

- Figure 1 – Fourth Quarter 2007 Groundwater Elevation & Contour – December 20, 2007
- 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** —
- ND< — 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)
- 0.001 — GROUNDWATER FLOW DIRECTION AND GRADIENT

NOTES:

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

FIGURE 1

FOURTH QUARTER 2007
GROUNDWATER MONITORING
& SAMPLING RESULTS
**GROUNDWATER FLOW DIRECTION
& CHEMICAL CONCENTRATIONS**
DECEMBER 20, 2007
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
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
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
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

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
ARG	Argon Laboratories, Merced
KIFF	Kiff Analytical LLC, Davis, Ca
NA	Not Accessible / Not Available
NS	No Sampled

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
	<hr/>								
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
	<hr/>								
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
	<hr/>								
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
	<hr/>								

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
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

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

SPH or Purge Water Drum Log

Client: Palace Garage
 Site Address: 14336 Washington Ave., San Leandro

STATUS OF DRUM(S) UPON ARRIVAL						
Date	9/27/07	12/20/07				
Number of drum(s) empty:						
Number of drum(s) 1/4 full:		1				
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:						
Number of drum(s) full:		12 (NON-BTS) ?				
Total drum(s) on site:	12	13				
Are the drum(s) properly labeled?	N	13 N 14				
Drum ID & Contents:	?	↔ ↓ Purge water				
If any drum(s) are partially or totally filled, what is the first use date:						

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purge water or DI Water.
- If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.
- All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE						
Date	9/27/07	12/20/07				
Number of drums empty:						
Number of drum(s) 1/4 full:	1	1				
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:						
Number of drum(s) full:		12 NON-BTS → 12				
Total drum(s) on site:	13	13				
Are the drum(s) properly labeled?	Y	→				
Drum ID & Contents:		purge H ₂ O →				

LOCATION OF DRUM(S)
Describe location of drum(s): <u>in the back of Palace Garage by Chain interference On Right Side</u>

FINAL STATUS						
Number of new drum(s) left on site this event	1	0				
Date of inspection:	9/27/07	12/20/07				
Drum(s) labelled properly:	Y	Y				
Logged by BTS Field Tech:	KF	PC				
Office reviewed by:	m	A				

WELLHEAD INSPECTION CHECKLIST

Date 12/20/07 Client Closure Solutions
 Site Address Palace Garage, San Leandro
 Job Number 071260-PC2 Technician P. Cornish

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

NOTES: _____

WELL GAUGING DATA

Project # 071220-PL2 Date 12/20/07 Client ERM Closure Solutions

Site Palace Garage, San Leandro

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOB	Notes
MW-1	1346	2					15.69	23.41	TOC	
MW-2	1350	2					15.40	23.78	↓	
MW-3	1338	2				15.80	23.30			
MW-4	1342	1				15.28	17.25			

W L MONITORING DATA SHE

Project #: <u>071220-PC2</u>	Client: <u>LRM Closure Solutions</u>
Sampler: <u>PC</u>	Date: <u>12/20/07</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth (TD): <u>23.41</u>	Depth to Water (DTW): <u>15.69</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>17.23</u>	

Purge Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	--	---

<u>1.2</u> (Gals.) X	<u>3</u> Specified Volumes	= <u>3.6</u> Gals. Calculated Volume
----------------------	----------------------------	--------------------------------------

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1415	16.8	7.29	869.2	21000	1.2	
1420	17.4	6.92	856.7	21000	2.4	
1425	17.6	7.01	850.8	21000	3.6	

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: 12/20/07 Sampling Time: 1430 Depth to Water: 15.80

Sample I.D.: MW-1 Laboratory: Kiff CalScience Other _____

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

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

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

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

WELL MONITORING DATA SHEET

Project #: <u>071220-PC2</u>	Client: <u>Closure Solutions</u>
Sampler: <u>PC</u>	Date: <u>12/20/07</u>
Well I.D.: <u>MW-2</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth (TD): <u>23.78</u>	Depth to Water (DTW): <u>15.40</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVG</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>17.08</u>	

Purge Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	--	---

<u>1.3</u> (Gals.) X <u>3</u> = <u>3.9</u> Gals. 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1440	17.6	7.08	980.9	>1000	1.3	
1444	17.9	6.86	981.9	>1000	2.6	
1448	18.2	6.97	986.0	>1000	3.9	

Did well dewater? Yes No Gallons actually evacuated: 4

Sampling Date: 12/20/07 Sampling Time: 1454 Depth to Water: 16.02

Sample I.D.: MW-2 Laboratory: Kief CalScience Other _____

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

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

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

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

WELL MONITORING DATA SHEET

Project #: <u>071220-PC2</u>	Client: <u>LRM</u>
Sampler: <u>PC</u>	Date: <u>12/20/07</u>
Well I.D.: <u>MU-3</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth (TD): <u>23.30</u>	Depth to Water (DTW): <u>15.30</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>16.90</u>	

Purge Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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$\underline{1.3} \text{ (Gals.)} \times \underline{3} = \underline{3.9} \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1400	18.5	6.80	649.9	>1000	1.3	
1403	18.6	6.31	645.9	>1000	2.6	
1406	18.6	6.62	646.7	>1000	3.9	

Did well dewater? Yes No Gallons actually evacuated: 4

Sampling Date: 12/10 Sampling Time: 1410 Depth to Water: 16.50

Sample I.D.: MU-3 Laboratory: Kiff CalScience Other _____

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

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

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

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

WELL MONITORING DATA SHEET

Project #: <u>071220PC2</u>	Client: <u>Closure Solutions</u>
Sampler: <u>PC</u>	Date: <u>12/20/07</u>
Well I.D.: <u>MU-4</u>	Well Diameter: 2 3 4 6 8 <u>1"</u>
Total Well Depth (TD): <u>17.24</u>	Depth to Water (DTW): <u>15.28</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>15.67</u>	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible	Waters Peristaltic Extraction Pump Other: <u>Tubing w/ check valve</u>	Sampling Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	---	---

<u>0.1</u> (Gals.) X <u>3</u>	<u>=</u>	<u>0.3</u> Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1502	17.0	7.01	560.1	71000	.1	Brown.
1506	17.5	7.68	855.1	71000	.2	↓
1508	17.6	7.74	878.7	71000	.3	

Did well dewater? Yes No Gallons actually evacuated: .3

Sampling Date: 12/20/07 Sampling Time: 1518 Depth to Water: 15.30

Sample I.D.: MU-4 Laboratory: Kiff CalScience Other _____

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

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

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

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

Attachment B

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



Report Number : 60325

Date : 1/2/2008

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

Subject : 4 Water Samples
Project Name : Palace Garage, 14336 Washington Ave., San Leandro
Project Number : 071220-PC2

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

Sample : MW-1

Project Name : Palace Garage, 14336 Washington Ave., San Leandro

Project Number : 071220-PC2

Lab Number : 60325-01

Date Analyzed : 12/28/2007

Matrix : Water

Sample Date : 12/20/2007

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units
TPH as Gasoline	280	50	ug/L
Methyl-t-butyl ether (MTBE)	1.5	0.50	ug/L
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L
Tert-Butanol	< 5.0	5.0	ug/L
Dichlorodifluoromethane	< 0.50	0.50	ug/L
Chloromethane	< 0.50	0.50	ug/L
Vinyl Chloride	< 0.50	0.50	ug/L
Bromomethane	< 20	20	ug/L
Chloroethane	< 0.50	0.50	ug/L
Trichlorofluoromethane	< 0.50	0.50	ug/L
1,1-Dichloroethene	< 0.50	0.50	ug/L
Methylene Chloride	< 5.0	5.0	ug/L
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L
1,1-Dichloroethane	< 0.50	0.50	ug/L
2,2-Dichloropropane	< 0.50	0.50	ug/L
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L
Chloroform	< 0.50	0.50	ug/L
Bromochloromethane	< 0.50	0.50	ug/L
1,1,1-Trichloroethane	< 0.50	0.50	ug/L
1,1-Dichloropropene	< 0.50	0.50	ug/L
1,2-Dichloroethane	< 0.50	0.50	ug/L
Carbon Tetrachloride	< 0.50	0.50	ug/L
Benzene	4.3	0.50	ug/L
Trichloroethene	< 0.50	0.50	ug/L
1,2-Dichloropropane	< 0.50	0.50	ug/L
Bromodichloromethane	< 0.50	0.50	ug/L
Dibromomethane	< 0.50	0.50	ug/L
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L
Toluene	1.3	0.50	ug/L
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L
1,1,2-Trichloroethane	< 0.50	0.50	ug/L
1,3-Dichloropropane	< 0.50	0.50	ug/L
Tetrachloroethene	< 0.50	0.50	ug/L
Dibromochloromethane	< 0.50	0.50	ug/L
1,2-Dibromoethane	< 0.50	0.50	ug/L

Parameter	Measured Value	MRL ¹	Units
Chlorobenzene	< 0.50	0.50	ug/L
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L
Ethylbenzene	15	0.50	ug/L
P,M-Xylene	29	1.0	ug/L
O-Xylene	8.0	0.50	ug/L
Styrene	< 0.50	0.50	ug/L
Isopropyl benzene	1.6	0.50	ug/L
Bromoform	< 0.50	0.50	ug/L
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L
1,2,3-Trichloropropane	< 0.50	0.50	ug/L
n-Propylbenzene	4.0	0.50	ug/L
Bromobenzene	< 0.50	0.50	ug/L
1,3,5-Trimethylbenzene	3.1	0.50	ug/L
2+4-Chlorotoluene	< 1.0	1.0	ug/L
tert-Butylbenzene	< 0.50	0.50	ug/L
1,2,4-Trimethylbenzene	13	0.50	ug/L
sec-Butylbenzene	0.67	0.50	ug/L
p-Isopropyltoluene	< 0.50	0.50	ug/L
1,3-Dichlorobenzene	< 0.50	0.50	ug/L
1,4-Dichlorobenzene	< 0.50	0.50	ug/L
n-Butylbenzene	0.60	0.50	ug/L
1,2-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L
Hexachlorobutadiene	< 0.50	0.50	ug/L
Naphthalene	3.8	0.50	ug/L
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L
1,2-Dichloroethane-d4 (Surr)	102		% Recovery
Toluene-d8 (Surr)	100		% Recovery
4-Bromofluorobenzene (Surr)	101		% Recovery

1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By:



Joel Kiff

Sample : MW-2

Project Name : Palace Garage, 14336 Washington Ave., San Leandro

Project Number : 071220-PC2

Lab Number : 60325-02

Date Analyzed : 12/29/2007

Matrix : Water

Sample Date :12/20/2007

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units
TPH as Gasoline	1500	50	ug/L
Methyl-t-butyl ether (MTBE)	0.95	0.50	ug/L
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L
Tert-Butanol	< 5.0	5.0	ug/L
Dichlorodifluoromethane	< 0.50	0.50	ug/L
Chloromethane	< 0.50	0.50	ug/L
Vinyl Chloride	< 0.50	0.50	ug/L
Bromomethane	< 20	20	ug/L
Chloroethane	< 0.50	0.50	ug/L
Trichlorofluoromethane	< 0.50	0.50	ug/L
1,1-Dichloroethene	< 0.50	0.50	ug/L
Methylene Chloride	< 5.0	5.0	ug/L
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L
1,1-Dichloroethane	< 0.50	0.50	ug/L
2,2-Dichloropropane	< 0.50	0.50	ug/L
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L
Chloroform	< 0.50	0.50	ug/L
Bromochloromethane	< 0.50	0.50	ug/L
1,1,1-Trichloroethane	< 0.50	0.50	ug/L
1,1-Dichloropropene	< 0.50	0.50	ug/L
1,2-Dichloroethane	< 0.50	0.50	ug/L
Carbon Tetrachloride	< 0.50	0.50	ug/L
Benzene	63	0.50	ug/L
Trichloroethene	< 0.50	0.50	ug/L
1,2-Dichloropropane	< 0.50	0.50	ug/L
Bromodichloromethane	< 0.50	0.50	ug/L
Dibromomethane	< 0.50	0.50	ug/L
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L
Toluene	1.1	0.50	ug/L
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L
1,1,2-Trichloroethane	< 0.50	0.50	ug/L
1,3-Dichloropropane	< 0.50	0.50	ug/L
Tetrachloroethene	< 0.50	0.50	ug/L
Dibromochloromethane	< 0.50	0.50	ug/L
1,2-Dibromoethane	< 0.50	0.50	ug/L

Parameter	Measured Value	MRL ¹	Units
Chlorobenzene	< 0.50	0.50	ug/L
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L
Ethylbenzene	16	0.50	ug/L
P,M-Xylene	4.9	1.0	ug/L
O-Xylene	< 0.50	0.50	ug/L
Styrene	< 0.50	0.50	ug/L
Isopropyl benzene	53	0.50	ug/L
Bromoform	< 0.50	0.50	ug/L
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L
1,2,3-Trichloropropane	< 0.50	0.50	ug/L
n-Propylbenzene	110	0.50	ug/L
Bromobenzene	< 0.50	0.50	ug/L
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L
2+4-Chlorotoluene	< 1.0	1.0	ug/L
tert-Butylbenzene	< 0.50	0.50	ug/L
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L
sec-Butylbenzene	5.4	0.50	ug/L
p-Isopropyltoluene	< 0.50	0.50	ug/L
1,3-Dichlorobenzene	< 0.50	0.50	ug/L
1,4-Dichlorobenzene	< 0.50	0.50	ug/L
n-Butylbenzene	6.6	0.50	ug/L
1,2-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L
Hexachlorobutadiene	< 0.50	0.50	ug/L
Naphthalene	200	0.50	ug/L
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L
1,2-Dichloroethane-d4 (Surr)	101		% Recovery
Toluene-d8 (Surr)	101		% Recovery
4-Bromofluorobenzene (Surr)	102		% Recovery

1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By:



Joel Kiff

Sample : MW-3

Project Name : Palace Garage, 14336 Washington Ave., San Leandro

Project Number : 071220-PC2

Lab Number : 60325-03

Date Analyzed : 12/29/2007

Matrix : Water

Sample Date : 12/20/2007

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units
TPH as Gasoline	< 50	50	ug/L
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L
Tert-Butanol	< 5.0	5.0	ug/L
Dichlorodifluoromethane	< 0.50	0.50	ug/L
Chloromethane	< 0.50	0.50	ug/L
Vinyl Chloride	< 0.50	0.50	ug/L
Bromomethane	< 20	20	ug/L
Chloroethane	< 0.50	0.50	ug/L
Trichlorofluoromethane	< 0.50	0.50	ug/L
1,1-Dichloroethene	< 0.50	0.50	ug/L
Methylene Chloride	< 5.0	5.0	ug/L
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L
1,1-Dichloroethane	< 0.50	0.50	ug/L
2,2-Dichloropropane	< 0.50	0.50	ug/L
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L
Chloroform	< 0.50	0.50	ug/L
Bromochloromethane	< 0.50	0.50	ug/L
1,1,1-Trichloroethane	< 0.50	0.50	ug/L
1,1-Dichloropropene	< 0.50	0.50	ug/L
1,2-Dichloroethane	< 0.50	0.50	ug/L
Carbon Tetrachloride	< 0.50	0.50	ug/L
Benzene	< 0.50	0.50	ug/L
Trichloroethene	10	0.50	ug/L
1,2-Dichloropropane	< 0.50	0.50	ug/L
Bromodichloromethane	< 0.50	0.50	ug/L
Dibromomethane	< 0.50	0.50	ug/L
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L
Toluene	< 0.50	0.50	ug/L
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L
1,1,2-Trichloroethane	< 0.50	0.50	ug/L
1,3-Dichloropropane	< 0.50	0.50	ug/L
Tetrachloroethene	< 0.50	0.50	ug/L
Dibromochloromethane	< 0.50	0.50	ug/L
1,2-Dibromoethane	< 0.50	0.50	ug/L

Parameter	Measured Value	MRL ¹	Units
Chlorobenzene	< 0.50	0.50	ug/L
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L
Ethylbenzene	< 0.50	0.50	ug/L
P,M-Xylene	< 1.0	1.0	ug/L
O-Xylene	< 0.50	0.50	ug/L
Styrene	< 0.50	0.50	ug/L
Isopropyl benzene	< 0.50	0.50	ug/L
Bromoform	< 0.50	0.50	ug/L
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L
1,2,3-Trichloropropane	< 0.50	0.50	ug/L
n-Propylbenzene	< 0.50	0.50	ug/L
Bromobenzene	< 0.50	0.50	ug/L
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L
2+4-Chlorotoluene	< 1.0	1.0	ug/L
tert-Butylbenzene	< 0.50	0.50	ug/L
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L
sec-Butylbenzene	< 0.50	0.50	ug/L
p-Isopropyltoluene	< 0.50	0.50	ug/L
1,3-Dichlorobenzene	< 0.50	0.50	ug/L
1,4-Dichlorobenzene	< 0.50	0.50	ug/L
n-Butylbenzene	< 0.50	0.50	ug/L
1,2-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L
Hexachlorobutadiene	< 0.50	0.50	ug/L
Naphthalene	< 0.50	0.50	ug/L
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L
1,2-Dichloroethane-d4 (Surr)	98.9		% Recovery
Toluene-d8 (Surr)	101		% Recovery
4-Bromofluorobenzene (Surr)	102		% Recovery

1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By:



Joel Kiff

Sample : MW-4

Project Name : Palace Garage, 14336 Washington Ave., San Leandro

Project Number : 071220-PC2

Lab Number : 60325-04

Date Analyzed : 12/29/2007, 12/31/2007

Matrix : Water

Sample Date :12/20/2007

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units
TPH as Gasoline	< 50	50	ug/L
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L
Tert-Butanol	< 5.0	5.0	ug/L
Dichlorodifluoromethane	< 0.50	0.50	ug/L
Chloromethane	< 0.50	0.50	ug/L
Vinyl Chloride	< 0.50	0.50	ug/L
Bromomethane	< 20	20	ug/L
Chloroethane	< 0.50	0.50	ug/L
Trichlorofluoromethane	< 0.50	0.50	ug/L
1,1-Dichloroethene	< 0.50	0.50	ug/L
Methylene Chloride	< 5.0	5.0	ug/L
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L
1,1-Dichloroethane	< 0.50	0.50	ug/L
2,2-Dichloropropane	< 0.50	0.50	ug/L
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L
Chloroform	< 0.50	0.50	ug/L
Bromochloromethane	< 0.50	0.50	ug/L
1,1,1-Trichloroethane	< 0.50	0.50	ug/L
1,1-Dichloropropene	< 0.50	0.50	ug/L
1,2-Dichloroethane	< 0.50	0.50	ug/L
Carbon Tetrachloride	< 0.50	0.50	ug/L
Benzene	< 0.50	0.50	ug/L
Trichloroethene	< 0.50	0.50	ug/L
1,2-Dichloropropane	< 0.50	0.50	ug/L
Bromodichloromethane	< 0.50	0.50	ug/L
Dibromomethane	< 0.50	0.50	ug/L
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L
Toluene	< 0.50	0.50	ug/L
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L
1,1,2-Trichloroethane	< 0.50	0.50	ug/L
1,3-Dichloropropane	< 0.50	0.50	ug/L
Tetrachloroethene	< 0.50	0.50	ug/L
Dibromochloromethane	< 0.50	0.50	ug/L
1,2-Dibromoethane	< 0.50	0.50	ug/L

Parameter	Measured Value	MRL ¹	Units
Chlorobenzene	< 0.50	0.50	ug/L
1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L
Ethylbenzene	< 0.50	0.50	ug/L
P,M-Xylene	< 1.0	1.0	ug/L
O-Xylene	< 0.50	0.50	ug/L
Styrene	< 0.50	0.50	ug/L
Isopropyl benzene	< 0.50	0.50	ug/L
Bromoform	< 0.50	0.50	ug/L
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L
1,2,3-Trichloropropane	< 0.50	0.50	ug/L
n-Propylbenzene	< 0.50	0.50	ug/L
Bromobenzene	< 0.50	0.50	ug/L
1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L
2+4-Chlorotoluene	< 1.0	1.0	ug/L
tert-Butylbenzene	< 0.50	0.50	ug/L
1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L
sec-Butylbenzene	< 0.50	0.50	ug/L
p-Isopropyltoluene	< 0.50	0.50	ug/L
1,3-Dichlorobenzene	< 0.50	0.50	ug/L
1,4-Dichlorobenzene	< 0.50	0.50	ug/L
n-Butylbenzene	< 0.50	0.50	ug/L
1,2-Dichlorobenzene	< 0.50	0.50	ug/L
1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L
1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L
Hexachlorobutadiene	< 0.50	0.50	ug/L
Naphthalene	< 0.50	0.50	ug/L
1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L
1,2-Dichloroethane-d4 (Surr)	101		% Recovery
Toluene-d8 (Surr)	102		% Recovery
4-Bromofluorobenzene (Surr)	103		% Recovery

1) MRL = Method reporting limit
2) MRL raised due to interference

Approved By:



Joel Kiff


QC Report : Method Blank Data

Project Name : Palace Garage, 14336 Washington Ave., San Leandro

Project Number : 071220-PC2

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	12/27/2007	Dibromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	Chlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	1,1,1,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	12/27/2007	P,M-Xylene	< 1.0	1.0	ug/L	EPA 8260B	12/27/2007
Dichlorodifluoromethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	O-Xylene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Chloromethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	Styrene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	Isopropyl benzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Bromomethane	< 20	20	ug/L	EPA 8260B	12/27/2007	Bromoform	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Chloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	1,2,3-Trichloropropane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
1,1-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	n-Propylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Methylene Chloride	< 5.0	5.0	ug/L	EPA 8260B	12/27/2007	Bromobenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	1,3,5-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
1,1-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	2+4-Chlorotoluene	< 1.0	1.0	ug/L	EPA 8260B	12/27/2007
2,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	tert-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	1,2,4-Trimethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Chloroform	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	sec-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Bromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	p-Isopropyltoluene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
1,1-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	n-Butylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	1,2-Dibromo-3-chloropropane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Trichloroethene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	1,2,4-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
1,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	Hexachlorobutadiene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
Dibromomethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	1,2,3-Trichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	1,2-Dichloroethane-d4 (Surr)	99.8	%		EPA 8260B	12/27/2007
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	Toluene - d8 (Surr)	99.0	%		EPA 8260B	12/27/2007
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007	4-Bromofluorobenzene (Surr)	103	%		EPA 8260B	12/27/2007
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007						
1,3-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007						
Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8260B	12/27/2007						

Approved By: Joel Kiff



KIFF ANALYTICAL, LLC

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

Report Number : 60325

Date : 1/2/2008

QC Report : Method Blank Data

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

Project Number : **071220-PC2**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
Naphthalene	< 0.50	0.50	ug/L	EPA 8260B	12/31/2007

<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

Approved By:  _____
Joel Kiff

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Palace Garage, 14336 Washington Ave., San Leandro**Project Number : **071220-PC2**

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
1,1-Dichloroethane	60340-07	<0.50	39.8	39.9	38.3	38.8	ug/L	EPA 8260B	12/27/07	96.3	97.2	0.944	70-130	25
Benzene	60340-07	<0.50	39.8	39.9	37.4	37.4	ug/L	EPA 8260B	12/27/07	94.0	93.8	0.222	70-130	25
1,2-Dichloroethane	60340-07	<0.50	39.8	39.9	38.4	38.2	ug/L	EPA 8260B	12/27/07	96.6	95.6	1.03	70-130	25
Toluene	60340-07	<0.50	39.8	39.9	37.5	37.5	ug/L	EPA 8260B	12/27/07	94.2	94.0	0.201	70-130	25
Chlorobenzene	60340-07	<0.50	39.8	39.9	40.3	41.1	ug/L	EPA 8260B	12/27/07	101	103	1.68	70-130	25
Tert-Butanol	60340-07	<5.0	199	200	199	180	ug/L	EPA 8260B	12/27/07	100	90.2	10.6	70-130	25
Methyl-t-Butyl Ether	60340-07	<0.50	39.8	39.9	38.8	37.4	ug/L	EPA 8260B	12/27/07	97.5	93.6	4.11	70-130	25
1,1-Dichloroethane	60343-06	<0.50	40.0	40.0	39.7	38.9	ug/L	EPA 8260B	12/31/07	99.3	97.2	2.12	70-130	25
Benzene	60343-06	<0.50	40.0	40.0	40.7	39.7	ug/L	EPA 8260B	12/31/07	102	99.3	2.52	70-130	25
1,2-Dichloroethane	60343-06	<0.50	40.0	40.0	38.7	38.4	ug/L	EPA 8260B	12/31/07	96.8	96.1	0.679	70-130	25
Toluene	60343-06	<0.50	40.0	40.0	39.3	38.7	ug/L	EPA 8260B	12/31/07	98.3	96.8	1.60	70-130	25
Chlorobenzene	60343-06	<0.50	40.0	40.0	42.3	41.5	ug/L	EPA 8260B	12/31/07	106	104	1.90	70-130	25
Tert-Butanol	60343-06	<5.0	200	200	199	198	ug/L	EPA 8260B	12/31/07	99.4	98.8	0.615	70-130	25
Methyl-t-Butyl Ether	60343-06	4.0	40.0	40.0	42.2	41.4	ug/L	EPA 8260B	12/31/07	95.6	93.7	2.06	70-130	25

Approved By:  Joel Kiff

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 Washington Ave., San Leandro**Project Number : **071220-PC2**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
1,1-Dichloroethane	40.0	ug/L	EPA 8260B	12/27/07	96.0	70-130
Benzene	40.0	ug/L	EPA 8260B	12/27/07	93.5	70-130
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	12/27/07	93.0	70-130
Toluene	40.0	ug/L	EPA 8260B	12/27/07	93.2	70-130
Chlorobenzene	40.0	ug/L	EPA 8260B	12/27/07	102	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/27/07	98.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/27/07	88.3	70-130
1,1-Dichloroethane	40.0	ug/L	EPA 8260B	12/31/07	97.7	70-130
Benzene	40.0	ug/L	EPA 8260B	12/31/07	99.7	70-130
1,2-Dichloroethane	40.0	ug/L	EPA 8260B	12/31/07	95.0	70-130
Toluene	40.0	ug/L	EPA 8260B	12/31/07	99.3	70-130
Chlorobenzene	40.0	ug/L	EPA 8260B	12/31/07	103	70-130
Tert-Butanol	200	ug/L	EPA 8260B	12/31/07	100	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	12/31/07	93.0	70-130

KIFF ANALYTICAL, LLC

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

Approved By:



 Joel Kiff

BLAINE

TECH SERVICES, INC.

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

CONDUCT ANALYSIS TO DETECT

LAB

Kiff

60325

DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

- EPA
- LIA
- OTHER

RWQCB REGION _____

CHAIN OF CUSTODY

BTS # 071220-Pc2

CLIENT **Closure Solutions**

SITE **Palace Garage**

14336 Washington Ave.

San Leandro, CA

SAMPLE I.D.	DATE	TIME	MATRIX		CONTAINERS	
			S=SOIL W=H ₂ O	TOTAL		

MW-1	12/20/07	1430	W	3	3 HCL VOAS
MW-2		1454	W	3	3 HCL VOAS
MW-3		1410	W	3	3 HCL VOAS
MW-4		1518	W	3	3 HCL VOAS

C = COMPOSITE ALL CONTAINERS

TPH-g (8260B)

Full Scan VOC's w/ (5) Oxygenates (8260B)

SPECIAL INSTRUCTIONS

Project Contact: Ron Chinn
 rchinn@closureolutions.com

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

Global ID: T060010143 Report (PDF) and EDF to Ron Chinn (email)

EDF required

ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			01
			02
			03
			04

SAMPLE RECEIPT

Temp °C 2.6 Therm. ID# ERS
 Initial LT Date 12/21/07
 Time 12:40 Coolant present: (Yes)/No

SAMPLING COMPLETED DATE 12/20/07 TIME 1525 SAMPLING PERFORMED BY P. Cornish

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY P. Cornish DATE 12/20/07 TIME 1630

RECEIVED BY P. Cornish sample Custodian DATE 12/21/07 TIME 1630

RELEASED BY [Signature] DATE 12/21/07 TIME 1240

RECEIVED BY [Signature] DATE 12/21/07 TIME 1240

RELEASED BY [Signature] DATE 12/21/07 TIME 1240

RECEIVED BY Kiff Analytical DATE 12/21/07 TIME 1240

SHIPPED VIA _____ DATE SENT _____ TIME SENT _____ COOLER # _____