CLOSURE SOLUTIONS, INC.

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10:06 am, Aug 31, 2009

Alameda County
Environmental Health

July 13, 2009

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

Subject: **Second Quarter 2009 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) has prepared this *Second Quarter 2009 Groundwater Monitoring Report* (Report) for the Palace Garage facility (the Site), located at 14336 Washington Avenue, in San Leandro, California (Figure 1).

1.0 SITE BACKGROUND SUMMARY

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 2.

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.

In an email dated June 12, 2009 Mr. Steve Plunkett with the ACEH approved the reduction of groundwater monitoring to a Semi-annual basis conducted in second and fourth quarters. Mr. Plunkett also approved the recommendation to eliminate the fuel oxygenates from the suite of laboratory analytes.

2.0 WORK PERFORMED AND WORK PROPOSED

Following is a summary of work performed this quarter and work proposed for next quarter:

WORK PERFORMED THIS QUARTER:

1. Performed quarterly groundwater monitoring event on June 19, 2009
2. Prepared and submitted *Second Quarter 2009 Groundwater Monitoring Report*

WORK PROPOSED FOR NEXT QUARTER:

1. No work proposed for the third quarter 2009.

3.0 DISCUSSION OF RECENT ACTIVITIES

Closure Solutions performed this quarter's groundwater monitoring and sampling event at the Site on June 19, 2009. Gauging, purging and sampling were conducted in accordance with Closure Solution's Standard Operating Procedures (included in Attachment A). The collected groundwater samples and a trip blank sample were submitted to Accutest Laboratories for laboratory analysis under Chain-of-Custody protocols. The samples were analyzed for TPHg and benzene, toluene, ethylbenzene and total xylenes (BTEX) by EPA Method 8260B.

Following is a summary of the current status of the environmental program at the site:

Current Phase of Project:	Monitoring
Groundwater Monitoring & Sampling:	Semi-Annual: MW-1 through MW-4
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	Natural Attenuation

Following is a summary of this quarter's field and analytical data:

Average Depth to Groundwater (in feet bgs):	15.07
Groundwater Elevation (in feet above mean sea level)	21.94 (MW-4) to 22.44 (MW-1)
Groundwater Gradient (direction):	Southwest
Groundwater Gradient (magnitude):	0.003 ft/ft
TPHg detected concentrations:	931 µg/L (MW-2) to 1,490 µg/L (MW-1)
Benzene detected concentrations:	60.1 µg/L (MW-2) to 85.8 µg/L (MW-1)
Toluene detected concentration:	13.4 µg/L (MW-1)
Ethyl-benzene detected concentrations:	30 µg/L (MW-2) to 164 µg/L (MW-1)
Xylenes detected concentrations:	3.1 µg/L (MW-2) to 310 µg/L (MW-1)

Laboratory procedures, chain of custody records, and the certified analytical reports 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 disposed of at the licensed Rio Vista, California hazardous waste treatment facility operated by Instrat, Inc.

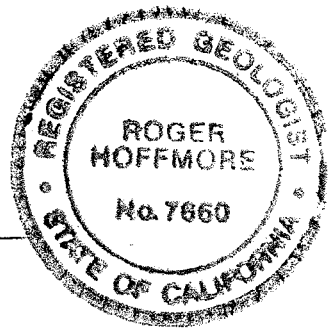
4.0 CONCLUSIONS AND RECOMMENDATIONS

In accordance with directive received by the ACWD Closure Solutions will continue the Site groundwater monitoring and sampling on a semi-annual basis during the second and fourth quarters.

We appreciate the opportunity to present this document and trust that it meets with your approval. If you have any questions or concerns, please contact Roger Hoffmore at (916) 983-5604 or at rhoffmore@closuresolutions.com.

Sincerely,

Closure Solutions, Inc.

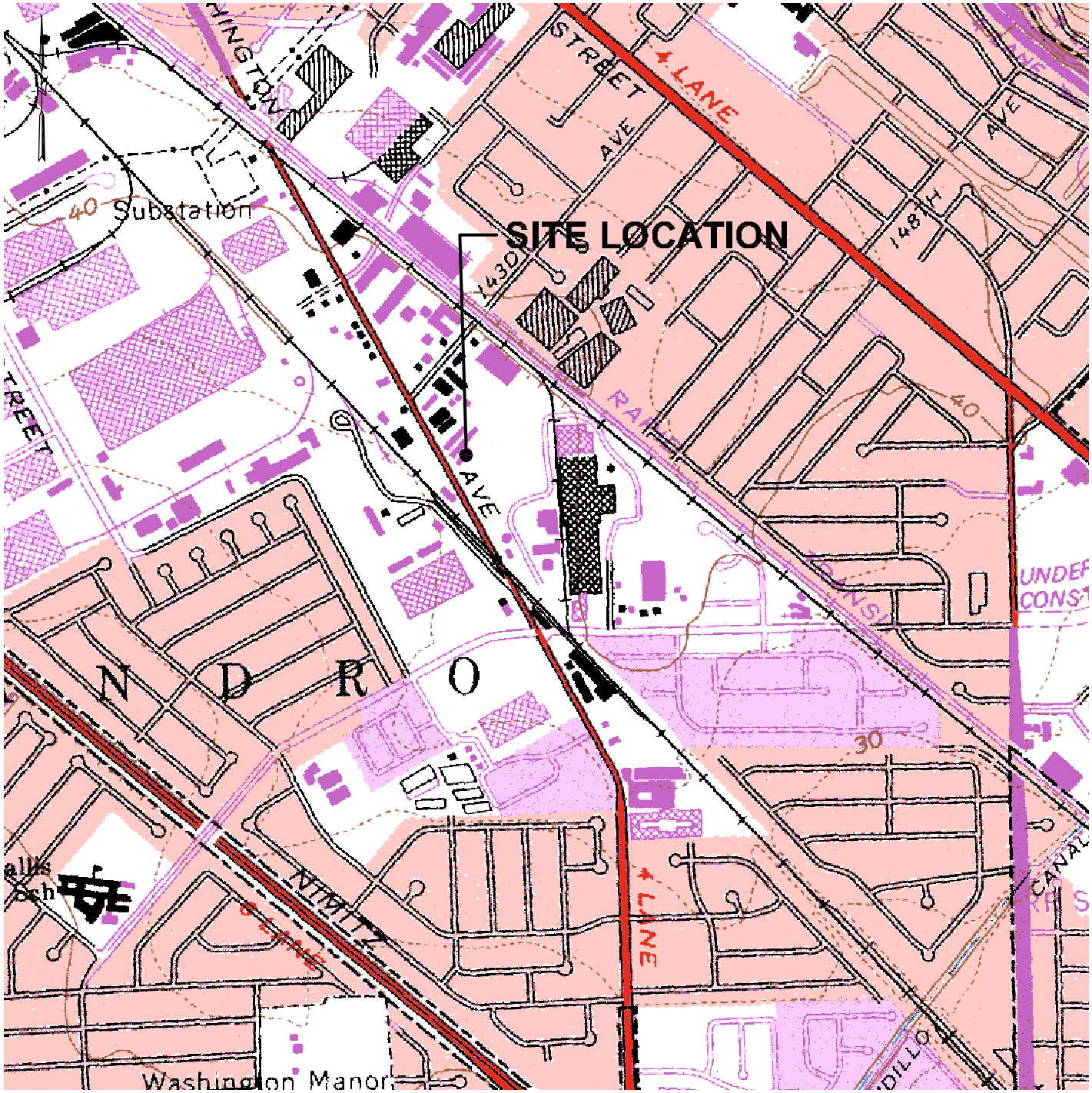


Roger Hoffmore, P.G.
Senior Geologist

ATTACHMENTS:

Figure 1	Site Location Map
Figure 2	Groundwater Monitoring & Sampling Results – Groundwater Contour Map – June 19, 2009
Table 1	Groundwater Elevation and Analytical Data
Table 2	Fuel Oxygenate & Lead Scavenger Analytical Data
Attachment A	Field Procedures and Field Data Sheets
Attachment B	Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records

cc: Mr. Jeff Kerry, Kerry & Associates



REFERENCE:
USGS 7.5 MIN QUAD MAP TITLED:SAN LEANDRO, CALIFORNIA DATED: 1959 REV: 1980

FIGURE 1

SITE LOCATION MAP

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

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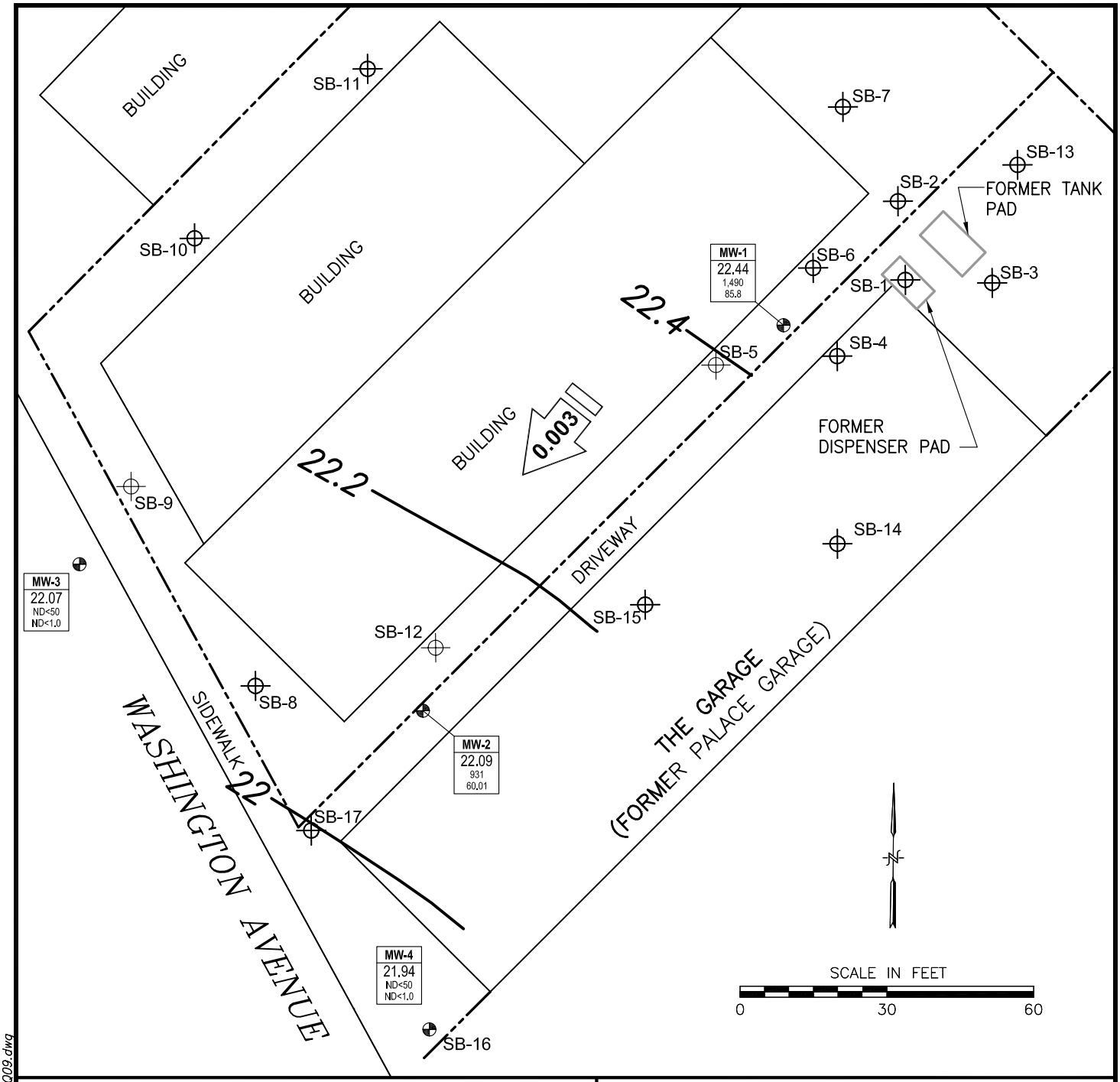

LEGEND:

- GROUNDWATER MONITORING WELL
- SOIL BORING
- WELL DESIGNATION
- GROUNDWATER ELEVATION (FT ABOVE MSL)
- TPHg AND BENZENE CONCENTRATIONS (µg/L)
- < NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
- 22 GROUNDWATER ELEVATION CONTOURS (FEET ABOVE MEAN SEA LEVEL [MSL])
- 0.003 GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)

NOTES:

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

FIGURE 2

SECOND QUARTER 2009 GROUNDWATER MONITORING & SAMPLING RESULTS

GROUNDWATER CONTOUR MAP JUNE 19, 2009

PALACE GARAGE
14336 WASHINGTON AVENUE
SAN LEANDRO, CALIFORNIA

CLOSURE SOLUTIONS, INC.
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California • 94521
Phone: (925) 429-5555 • Fax: (925) 459-5602

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Table 1
Groundwater Elevation and Analytical Data
Palace Garage
14336 Washington Avenue
San Leandro, California

Well ID	Date Sampled	Casing Elevation (Feet MSL)	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	KIFF
	6/19/2009		15.15	22.44	**1,490**	**85.8**	**13.4**	**164**	**310**	Accutest
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
	6/19/2009		15.03	22.09	**931**	**60.1**	ND<2.0	**30**	**3.1**	Accutest

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14336 Washington Avenue
San Leandro, California

Well ID	Date Sampled	Casing Elevation (Feet MSL)	Depth To Water (Feet)	Groundwater Elevation (Feet)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	LAB
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
	6/19/2009		14.94	22.07	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<2.0	Accutest
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
	6/19/2009		15.15	21.94	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<2.0	Accutest

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Palace Garage
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Well ID	Date Sampled	Casing Elevation (Feet MSL)	Depth To Water (Feet)	Groundwater Elevation (Feet)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	LAB

ABBREVIATIONS:

TPHg	Total Petroleum Hydrocarbons as Gasoline
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
µg/L	Micrograms per liter (parts per billion [ppb])
---	Not analyzed/measured/applicable
ND<	Not detected at or above specified laboratory reporting limit
MSL	Mean Sea Level
Accutest	Accutest Laboratories, Santa Clara, Ca
KIFF	Kiff Analytical LLC, Davis, Ca
Bold	Detection during latest sampling event

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 ID	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)
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
	12/21/2007	1.5	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	2/21/2008	ND<7.0	ND<40	ND<7.0	ND<7.0	ND<7.0	ND<7.0	ND<7.0
	5/15/2008	ND<2.5	ND<15	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
	8/7/2008	1.0	ND<5.0	ND<0.50	ND<0.50	ND<0.50	--	--
	11/13/2008	**1.1**	ND<5.0	ND<0.50	ND<0.50	ND<0.50	--	--
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
	12/20/2007	0.95	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	2/21/2008	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	5/15/2008	ND<0.90	ND<5.0	ND<0.90	ND<0.90	ND<0.90	ND<0.90	ND<0.90
	8/7/2008	0.59	ND<5.0	ND<0.90	ND<0.90	ND<0.90	--	--
	11/13/2008	**0.53**	ND<5.0	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

Well ID	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)
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
	12/20/2007	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	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
	8/7/2008	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	--	--
	11/13/2008	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	--	--
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
	12/20/2007	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	2/21/2008	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	5/15/2008	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	8/7/2008	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.50	--	--
	11/13/2008	ND<0.50	ND<5.0	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

Well ID	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)

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
Accutest	Accutest Laboratories, Santa Clara, Ca
µg/L	Micrograms per liter (parts per billion [ppb])
---	Not analyzed/measured/applicable
ND<	Not detected at or above specified laboratory reporting limit
Bold	Detection during latest sampling event

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

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 HARMFULL 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.

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. 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 wellhead. 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 semivolatile, 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 the 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. Gravity feed water 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.

FIELD DATA SHEET-DEPTH TO WATER DATA

SITE INFORMATION

Site Information

Project Name	Date	Project Number
Palace Garage	6/19/09	

Address	City	State
14336 Washington Ave.	San Leandro	CA

Water Level Equipment — Kevin Dolan

[x] Electronic Indicator

[ ] Oil Water Interface Probe — 2Q09 - QMS Event

[ ] Other (specify) ___

DEPTH TO WATER DATA

DTW Order	Well ID	Time (24:00)	DTW (toc)	~~Depth to SPH~~ TOTAL DEPTH (toc)	SPH Thickness/ DEPTH TO ~~SPH~~ (toc)	Notes (describe SPH):
3	MW-1	1345	15.15	23.40	—	
4	MW-2	1343	15.03	23.64	—	
2	MW-3	1340	14.94	23.09	—	
1	MW-4	1338	15.15	21.95	—	

Closure Solutions, INC.

GROUNDWATER MONITORING WELL SAMPLING FIELD DATA SHEET

Project Name/No.: *Palace Garage - San Leandro, CA* **Date:** *June 19, 2009*

Sample No.: MW-1

Samplers Name: *Kevin Dolan*

Purge Equipment:

_____ Bailer: Disposable or Acrylic
__X__ 12 v. Pump -
_____ Bladder Pump
_____ SS Monsoon #

Sample Equipment:

__X__ Disposable Bailer
_____ Whaler # _____
_____ Bladder Pump
_____ Submersible Pump

Analyses Requested (circle all that apply):

TPH-G BTEX	**Number and Types of Bottle Used:**
	3 Voa's w/ hcl

Well Number: MW-1
Depth to Water: 15.15 TOC
Well Depth: 23.40 BGS or TOC
Height W-Column: 8.25 feet (well depth - depth to water)
Volume in Well: 1.32 gallons (casing volume X height)
Gallons to purge: 3.96 gallons (volume X 3)

Well Diameter: ____ **with Casing Volume of:**
2" = (0.16 Gallon/Feet)
4" = (0.65 Gallon/Feet)
5" = (1.02 Gallon/Feet)
6" = (1.47 Gallon/Feet)
8" = (2.61 Gallon/Feet)

Lab:

Transportation:

Time (24 hr.)	Volume Purged (Gallons)	Temperature (°C)	Conductivity (ms/cm)	D.O. (ppm)	pH	TDS (ppm)	Turbidity: Color - Fines	Micropurge Paramaters Stabilized
1455	START							
1457	1.5	18.5	0.970	2.20	6.96	NA	454; clear, min	
1459	3	18.4	0.871	1.93	6.85		10; ↓ ↓	
1501	4	18.4	0.963	2.11			10;	
STOP!	Purge	Complete						
	2							
		KD						

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of orginal well volume:

Original Height of Water Column = 8.25 x 0.8 = 6.6 - (Well Depth) 23.40 = Depth to water 16.18

Time: 1507 1st measured depth to water, 15.23 feet below TOC. Is well within 80% of original well casing volume: Yes X No____
Time: _____ 1st measured depth to water, _____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No____
Time: _____ 1st measured depth to water, _____ feet below TOC. Is well within 80% of original well casing volume: Yes ____ No____

Sample Well

Time: 1510 Sample ID: MW-1 Depth: 15.23

Comments: Slight HC odor - NO Sheen

Well Condition: good-

Closure Solutions INC. - QMS FDS

GROUNDWATER MONITORING WELL SAMPLING FIELD DATA SHEET

Project Name/No.: *Palace Garage - San Leandro, CA* **Date:** *June 19, 2009*

Sample No.: MW-2

Samplers Name: *Kevin Dolan*

Purge Equipment:

_____ Bailer: Disposable or Acrylic
__X__ 12 v. Pump -
_____ Bladder Pump
_____ SS Monsoon #

Sample Equipment:

__X__ Disposable Bailer
_____ Whaler # _____
_____ Bladder Pump
_____ Submersible Pump

Analyses Requested (circle all that apply):

TPH-G BTEX	**Number and Types of Bottle Used:**
	3 Voa's w/ hcl

Well Number: MW-2
Depth to Water: 15.03 TOC
Well Depth: 23.64 BGS or TOC
Height W-Column: 8.61 feet (well depth - depth to water)
Volume in Well: 1.38 gallons (casing volume X height)
Gallons to purge: 4.14 gallons (volume X 3)

Well Diameter: ____ with Casing Volume of:
2" = (0.16 Gallon/Feet)
4" = (0.65 Gallon/Feet)
5" = (1.02 Gallon/Feet)
6" = (1.47 Gallon/Feet)
8" = (2.61 Gallon/Feet)

Lab:

Transportation:

Time (24 hr.)	Volume Purged (Gallons)	Temperature (°C)	Conductivity (ms/cm)	D.O. (ppm)	pH	TDS (ppm)	Turbidity: Color - Fines	Micropurge Paramaters Stabilized
1515	START							
1517	1.5	20.6	1.03	1.04	7.13	NA	816: HAZY, many	
1519	3	19.0	1.03	1.56	7.18		47; clear, min	
1521	4.5	18.7	1.03	1.63	7.04		10; ↓ ↓	
STOP: Purge Complete								
		15						

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of orginal well volume:

Original Height of Water Column = 8.61 x 0.8 = 6.88 - (Well Depth) 23.64 = Depth to water 16.75

Time: 1528 1st measured depth to water, 15.08 feet below TOC.
Time: _____ 1st measured depth to water, _____ feet below TOC.
Time: _____ 1st measured depth to water, _____ feet below TOC.

Is well within 80% of original well casing volume: Yes X No____
Is well within 80% of original well casing volume: Yes ____ No____
Is well within 80% of original well casing volume: Yes ____ No____

Sample Well

Time: 1530 Sample ID: MW-2 Depth: 15.08

Comments: Moderate HC odor - NO Sheen

Well Condition: good -

GROUNDWATER MONITORING WELL SAMPLING FIELD DATA SHEET

Project Name/No.: *Palace Garage - San Leandro, CA* **Date:** *June 19, 2009*

Sample No.: MW-3

Samplers Name: *Kevin Dolan*

Purge Equipment:

_____ Bailer: Disposable or Acrylic
_____ 12 v. Pump -
_____ Bladder Pump
_____ SS Monsoon #

Sample Equipment:

_____ Disposable Bailer
_____ Whaler # _____
_____ Bladder Pump
_____ Submersible Pump

Analyses Requested (circle all that apply):

TPH-G BTEX	**Number and Types of Bottle Used:**
	3 Voa's w/ hcl

Well Number: MW-3
Depth to Water: 14.94 TOC
Well Depth: 23.09 BGS or TOC
Height W-Column: 8.15 feet (well depth - depth to water)
Volume in Well: 1.30 gallons (casing volume X height)
Gallons to purge: 3.92 gallons (volume X 3)

Well Diameter: ____ **with Casing Volume of:**
2" = (0.16 Gallon/Feet)
4" = (0.65 Gallon/Feet)
5" = (1.02 Gallon/Feet)
6" = (1.47 Gallon/Feet)
8" = (2.61 Gallon/Feet)

Lab:

Transportation:

Time (24 hr.)	Volume Purged (Gallons)	Temperature (°C)	Conductivity (ms/cm)	D.O. (ppm)	pH	TDS (ppm)	Turbidity: Color - Fines	Micropurge Paramaters Stabilized
1429	START							
1430	1.5	20.7	.750	3.10	6.84		999; Brown, many	
1423	3	19.7	.662	2.50	6.73		358; clear, min.	
1425	4	19.1	.658	3.11	6.74		68; ↓ ↓	
STOP:	Purge	Complete						
		105						

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of orginal well volume:

Original Height of Water Column = 8.15 x 0.8 = 6.52 - (Well Depth) 23.09 = Depth to water 16.57

Time: 1433 1st measured depth to water, 23.11 feet below TOC.
Time: _____ 1st measured depth to water, _____ feet below TOC.
Time: _____ 1st measured depth to water, _____ feet below TOC.

Is well within 80% of original well casing volume: Yes X No____
Is well within 80% of original well casing volume: Yes ____ No____
Is well within 80% of original well casing volume: Yes ____ No____

Sample Well

Time: 1435 Sample ID: MW-3 Depth: 23.11

Comments: NO odor - No Sheen

Well Condition: good

GROUNDWATER MONITORING WELL SAMPLING FIELD DATA SHEET

Project Name/No.: *Palace Garage - San Leandro, CA* **Date:** *June 19, 2009*

Sample No.: MW-4

Samplers Name: *Kevin Dolan*

Purge Equipment:

- X Bailer: Disposable or Acrylic 1/2"
- ____ 12 v. Pump -
- ____ Bladder Pump
- ____ SS Monsoon #

Sample Equipment:

- X Disposable Bailer
- ____ Whaler # ____
- ____ Bladder Pump
- ____ Submersible Pump

Analyses Requested (circle all that apply):

TPH-G BTEX	**Number and Types of Bottle Used:**
	3 Voa's w/ hcl

Well Number: MW-4

Depth to Water: 15.15 TOC

Well Depth: 21.95 BGS or TOC

Height W-Column: 6.8 feet (well depth - depth to water)

Volume in Well: 0.272 gallons (casing volume X height)

Gallons to purge: 0.816 gallons (volume X 3)

Well Diameter: 3/4 **with Casing Volume of:**

3/4" = 0.041

- 2" = (0.16 Gallon/Feet)
- 4" = (0.65 Gallon/Feet)
- 5" = (1.02 Gallon/Feet)
- 6" = (1.47 Gallon/Feet)
- 8" = (2.61 Gallon/Feet)

Lab:

Transportation:

Time (24 hr.)	Volume Purged (Gallons)	Temperature (°C)	Conductivity (ms/cm)	D.O. (ppm)	pH	TDS (ppm)	Turbidity: Color - Fines	Micropurge Paramaters Stabilized
1401	0.25	19.4	0.878	1.93	7.03	NA	999! HAZY, many	
1403	0.50	19.1	0.911	1.89	7.01		436; clear, mod	
1405	0.85	18.6	0.916	1.73	7.00		311; ↓ ↓	
Stop;	Purge	comp left						
		KS						

Wait for 80% well volume recovery prior to sampling.

Calculate depth to water (from TOC), for 80% well volume recovery:

Calculate 80% of orginal well volume:

Original Height of Water Column = 6.8 x 0.8 = 5.44 - (Well Depth) 21.95 = Depth to water 16.51

Time: ____ 1st measured depth to water, 15.36 feet below TOC.
Time: ____ 1st measured depth to water, ____ feet below TOC.
Time: ____ 1st measured depth to water, ____ feet below TOC.

Is well within 80% of original well casing volume: Yes ____ No____
Is well within 80% of original well casing volume: Yes ____ No____
Is well within 80% of original well casing volume: Yes ____ No____

Sample Well

Time: ____ Sample ID: MW-4 Depth: ____

Comments: NO odor - No sheen

Well Condition: good-

Attachment B

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

Northern California ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

06/29/09

Technical Report for

Closure Solutions, Inc.

T0600101043-Palace Garage,14336 Washington Ave,San Leandro,CA

Accutest Job Number: C6246

Sampling Date: 06/19/09

Report to:

Closure Solutions, Inc.
1243 Oak Knoll Drive
Concord, CA 94521
rchinn@closuresolutions.com; rhoffmore@closuresolutions.com;
kdolan@closuresolutions.com; kwaldo@closuresolutions.com
ATTN: Roger Hoffmore

Total number of pages in report: **21**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Laurie Glantz-Murphy
Laboratory Director

Client Service contact: Diane Theesen 408-588-0200

Certifications: CA (08258CA)

Test results relate only to samples analyzed.

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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Sample Summary

Closure Solutions, Inc.

Job No: C6246

T0600101043-Palace Garage, 14336 Washington Ave, San Leandro, CA

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C6246-1	06/19/09	15:10	KD	06/23/09	AQ	Ground Water	MW-1
C6246-2	06/19/09	15:30	KD	06/23/09	AQ	Ground Water	MW-2
C6246-3	06/19/09	14:35	KD	06/23/09	AQ	Ground Water	MW-3
C6246-4	06/19/09	14:10	KD	06/23/09	AQ	Ground Water	MW-4
C6246-5	06/19/09	00:00	KD	06/23/09	AQ	Trip Blank Water	QA/QC TB

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	C6246-1	**Date Sampled:**	06/19/09
Matrix:	AQ - Ground Water	**Date Received:**	06/23/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600101043-Palace Garage, 14336 Washington Ave, San Leandro, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M7360.D	5	06/25/09	XB	n/a	n/a	VM240
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	85.8	5.0	1.5	ug/l	
108-88-3	Toluene	13.4	5.0	2.5	ug/l	
100-41-4	Ethylbenzene	164	5.0	1.5	ug/l	
1330-20-7	Xylene (total)	310	10	3.5	ug/l	
	TPH-GRO (C6-C10)	1490	250	130	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		60-130%
2037-26-5	Toluene-D8	104%		60-130%
460-00-4	4-Bromofluorobenzene	101%		60-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	C6246-2	**Date Sampled:**	06/19/09
Matrix:	AQ - Ground Water	**Date Received:**	06/23/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600101043-Palace Garage, 14336 Washington Ave, San Leandro, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M7359.D	2	06/25/09	XB	n/a	n/a	VM240
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	60.1	2.0	0.60	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	30.0	2.0	0.60	ug/l	
1330-20-7	Xylene (total)	3.1	4.0	1.4	ug/l	J
	TPH-GRO (C6-C10)	931	100	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		60-130%
2037-26-5	Toluene-D8	106%		60-130%
460-00-4	4-Bromofluorobenzene	101%		60-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	C6246-3	**Date Sampled:**	06/19/09
Matrix:	AQ - Ground Water	**Date Received:**	06/23/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600101043-Palace Garage, 14336 Washington Ave, San Leandro, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M7352.D	1	06/25/09	XB	n/a	n/a	VM240
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		60-130%
2037-26-5	Toluene-D8	108%		60-130%
460-00-4	4-Bromofluorobenzene	98%		60-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	C6246-4	**Date Sampled:**	06/19/09
Matrix:	AQ - Ground Water	**Date Received:**	06/23/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600101043-Palace Garage, 14336 Washington Ave, San Leandro, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M7353.D	1	06/25/09	XB	n/a	n/a	VM240
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		60-130%
2037-26-5	Toluene-D8	110%		60-130%
460-00-4	4-Bromofluorobenzene	98%		60-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	QA/QC TB		
Lab Sample ID:	C6246-5	**Date Sampled:**	06/19/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/23/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600101043-Palace Garage, 14336 Washington Ave, San Leandro, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M7319.D	1	06/24/09	XB	n/a	n/a	VM239
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	
	TPH-GRO (C6-C10) [a]	34.7	50	25	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		60-130%
2037-26-5	Toluene-D8	91%		60-130%
460-00-4	4-Bromofluorobenzene	101%		60-130%

(a) Atypical pattern. Gasoline value due to chlorinated compound(s).

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Northern California ACCUTEST Laboratories

CHAIN OF CUSTODY

3334 Victor Court, Santa Clara, CA 95054
(408) 588-0200 FAX: (408) 588-0201

CLOSCAC20085

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest NC Job #: C C6246

Client / Reporting Information

Company Name: CLOSURE SOLUTIONS
Address: 1243 OAK KNOLL DR.
City: CONCORD State: CA Zip: 94521
Project Contact: ROGER HOFFMORE / KATE WHALEN
Phone #: 916-933-5604
Samplers's Name: KEVIN DOLAN

Project Information

Project Name: PALACE GARAGE
Street: 14336 WASHINGTON AVE.
City: SAN LEANDRO State: CA
Project #:
EMAIL: RHOFFMORE@CLOSURESOLUTIONS.COM
Client Purchase Order #:

Requested Analysis

8260 Full List ☐ 624 ☐ with/TPH as Gasoline
8260Petro (includes BTEX / [redacted]) ☒ TPH as Gas
8270 ☐ PAHs only ☐ 625 ☐ +TICs
TPH-Extractable - Diesel - Motor Oil - Other ☐ With Silica Gel Cleanup ☐
METALS: CAM-17☐ LUFT-5☐ RCRA-8☐ PPM-13☐
Pesticides-8081 ☐ PCBs-8082 ☐ 608 ☐
BTEX-MtBE-TPH as Gasoline by GC/PID-FID ☐

Matrix Codes

WW- Water
GW- Ground Water
SW- Surface Water
SO- Soil
OI-Oil
WP-Wipe
LIQ - Non-aqueous Liquid
AIR
DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection: Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	LAB USE ONLY
	MW-1	6/23/05	1510	KD	GW	3	3								-1
	MW-2		1530												-2
	MW-3		1435												-3
	MW-4		1410												-4
	QA/QC TB		—		NW	2	2								-5
	Rec'd (4) VOA's Hcl @ w/ 11.1° Temp.														KD

Turnaround Time (Business days)

☐ Std. 15 Business Days
☐ 10 Day (Workload dependent)
☒ 5 Day (Workload dependent)
☐ 3 Day (125% markup)
☐ 2 Day (150% markup)
☐ 1 Day *(200% markup)*
☐ Same Day (300% markup)

Approved By:/ Date:

Data Deliverable Information

☐ Commercial "A"
☒ Commercial "B"
☐ EDF for Geotracker
Provide EDF Global ID: T0600101043
Provide EDF Logcode:
EDD Format:

Comments / Remarks

Run TPH-g/BTEX by 8260 only
CC results to: KWHALEN@CLOSURESOLUTIONS.COM

Emergency T/A data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		6/23/05 1605	1	2		2
	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3			3	4		4
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Appropriate Bottle / Pres. Y / N; Labels match Coc? Y / N	Headspace Y / N; Separate Receipt Log Y / N; On Ice Y / N; Cooler Temp. ____oC

C6246: Chain of Custody
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Accutest Laboratories Northern California
Sample Receiving Check List

Job# : C 6246
Sample Control Rep. Initial: JM

Review Chain of Custody Chain of Custody is to be complete and legible.

- ☑ Are these regulatory (NPDES) samples? CWA — Yes / **(No)**
- ☑ Is pH requested? — Yes / **(No)**
  - ☐ Was Client informed that hold time is 15 min? — Yes / No
  - If yes, did Client consent to continue? ________________
- ☑ Are sample within hold time? — **(Yes)** / No
  - Are sample in danger of exceeding hold-time — Yes / No
- ☐ Existing Client? Yes / No — Existing Project? Yes / No
  - **If No:** Is Report to info complete and legible, including;
    - ☐ deliverable ☐ Name ☐ Address ☐ phone ☐ e-mail
    - Is Bill to info complete and legible, including;
    - ☐ PO# ☐ Credit card ☐ Contact ☐address ☐ phone ☐ e-mail
    - Is Contact and/or Project Manager identified, including;
    - ☐ phone ☐ e-mail
- ☑ Project name / number ☐ Special requirements? — **(Yes)** / No
- ☑ Sample IDs / date & time of collection provided? — **(Yes)** / No
- ☑ Is Matrix listed and correct? — **(Yes)** / No
- ☐ Analyses listed we do ~~or client has authorized a subcontract~~? JM — **(Yes)** / No
- ☑ Chain is signed and dated by both client and sample custodian? — **(Yes)** / No
- ☑ TAT requested available? **(Yes)** / No — Approved by ________________

Review Coolers:

- ☑ Were Coolers temperatures measured at ≤6°C? Cooler # ____ Temp 11.1°C
  - If cooler is outside the ≤6°C; note down below the affected bottles in that cooler
  - Note that ANC does NOT accept evidentiary samples. (We do not lock refrigerators)
- ☑ Shipment Received Method Walk IN
- ☑ Custody Seals: Present: Yes / **(No)** — If Yes; Unbroken: Yes / No

Review of Sample Bottles: If you answer no, explain to the side

- ☑ Chain matches bottle labels? **(Yes)** / No — ☐ Sample bottle intact? **(Yes)** / No
- ☑ Is there enough sample volume in proper bottle for requested analyses? **(Yes)** / No
- ☑ Proper Preservatives? **(Yes)** / No — Check pH on preserved samples except 1664, 625, 8270 and VOAs.
- ☑ Headspace-VOAs? **Greater than 6mm in diameter Yes / No** N/A
  List sample ID and affected container

Client Sample ID	pH Check	Other Comments/Issues

Non-Compliance issues and discrepancies on the COC are forwarded to Project Management

\\anc-srv-file1\Entech-Data\Laboratory\Sample_Control\Form_Sample Receipt Checklist_Rev0.doc

C6246: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C6246
Account: CLOSCAC Closure Solutions, Inc.
Project: T0600101043-Palace Garage, 14336 Washington Ave, San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM239-MB	M7317.D	1	06/24/09	XB	n/a	n/a	VM239

The QC reported here applies to the following samples: **Method:** SW846 8260B

C6246-5

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	115%	60-130%
2037-26-5	Toluene-D8	93%	60-130%
460-00-4	4-Bromofluorobenzene	100%	60-130%

Method Blank Summary

Job Number: C6246
Account: CLOSCAC Closure Solutions, Inc.
Project: T0600101043-Palace Garage, 14336 Washington Ave, San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM240-MB	M7345.D	1	06/25/09	XB	n/a	n/a	VM240

The QC reported here applies to the following samples: **Method:** SW846 8260B

C6246-1, C6246-2, C6246-3, C6246-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.70	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	60-130%
2037-26-5	Toluene-D8	108%	60-130%
460-00-4	4-Bromofluorobenzene	95%	60-130%

Blank Spike Summary

Job Number: C6246
Account: CLOSCAC Closure Solutions, Inc.
Project: T0600101043-Palace Garage, 14336 Washington Ave, San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM239-BS	M7311.D	1	06/24/09	XB	n/a	n/a	VM239

The QC reported here applies to the following samples: **Method:** SW846 8260B

C6246-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	21.7	109	60-130
100-41-4	Ethylbenzene	20	18.7	94	60-130
108-88-3	Toluene	20	18.3	92	60-130
1330-20-7	Xylene (total)	60	56.5	94	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	109%	60-130%
2037-26-5	Toluene-D8	91%	60-130%
460-00-4	4-Bromofluorobenzene	105%	60-130%

Blank Spike Summary

Job Number: C6246
Account: CLOSCAC Closure Solutions, Inc.
Project: T0600101043-Palace Garage, 14336 Washington Ave, San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM239-BS	M7314.D	33.3	06/24/09	XB	n/a	n/a	VM239

The QC reported here applies to the following samples: **Method:** SW846 8260B

C6246-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
	TPH-GRO (C6-C10)	4160	4010	96	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	112%	60-130%
2037-26-5	Toluene-D8	91%	60-130%
460-00-4	4-Bromofluorobenzene	103%	60-130%

Blank Spike Summary

Job Number: C6246
Account: CLOSCAC Closure Solutions, Inc.
Project: T0600101043-Palace Garage, 14336 Washington Ave, San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM240-BS	M7341.D	1	06/25/09	XB	n/a	n/a	VM240

The QC reported here applies to the following samples: **Method:** SW846 8260B

C6246-1, C6246-2, C6246-3, C6246-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	19.2	96	60-130
100-41-4	Ethylbenzene	20	20.0	100	60-130
108-88-3	Toluene	20	18.3	92	60-130
1330-20-7	Xylene (total)	60	59.3	99	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	60-130%
2037-26-5	Toluene-D8	103%	60-130%
460-00-4	4-Bromofluorobenzene	99%	60-130%

Blank Spike Summary

Job Number: C6246
Account: CLOSCAC Closure Solutions, Inc.
Project: T0600101043-Palace Garage, 14336 Washington Ave, San Leandro, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM240-BS	M7344.D	1	06/25/09	XB	n/a	n/a	VM240

The QC reported here applies to the following samples: **Method:** SW846 8260B

C6246-1, C6246-2, C6246-3, C6246-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
	TPH-GRO (C6-C10)	125	134	107	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	60-130%
2037-26-5	Toluene-D8	107%	60-130%
460-00-4	4-Bromofluorobenzene	99%	60-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C6246
Account: CLOSCAC Closure Solutions, Inc.
Project: T0600101043-Palace Garage,14336 Washington Ave,San Leandro,CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C6247-1MS	M7361.D	1	06/25/09	XB	n/a	n/a	VM240
C6247-1MSD	M7362.D	1	06/25/09	XB	n/a	n/a	VM240
C6247-1	M7354.D	1	06/25/09	XB	n/a	n/a	VM240

The QC reported here applies to the following samples: **Method:** EPA 624

C6246-1, C6246-2, C6246-3, C6246-4

CAS No.	Compound	C6247-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	20.0	100	19.4	97	3	60-130/25
100-41-4	Ethylbenzene	ND		20	20.1	101	18.7	94	7	60-130/25
108-88-3	Toluene	ND		20	18.6	93	17.8	89	4	60-130/25
1330-20-7	Xylene (total)	ND		60	58.5	98	54.4	91	7	60-130/25

CAS No.	Surrogate Recoveries	MS	MSD	C6247-1	Limits
1868-53-7	Dibromofluoromethane	105%	103%	110%	60-130%
2037-26-5	Toluene-D8	104%	102%	108%	60-130%
460-00-4	4-Bromofluorobenzene	103%	99%	97%	60-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C6246
Account: CLOSCAC Closure Solutions, Inc.
Project: T0600101043-Palace Garage,14336 Washington Ave,San Leandro,CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C6264-1MS	M7331.D	1	06/24/09	XB	n/a	n/a	VM239
C6264-1MSD	M7332.D	1	06/24/09	XB	n/a	n/a	VM239
C6264-1	M7323.D	1	06/24/09	XB	n/a	n/a	VM239

The QC reported here applies to the following samples: **Method:** SW846 8260B

C6246-5

CAS No.	Compound	C6264-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	22.9	115	22.2	111	3	60-130/25
100-41-4	Ethylbenzene	ND		20	19.0	95	18.6	93	2	60-130/25
108-88-3	Toluene	ND		20	17.3	87	17.1	86	1	60-130/25
1330-20-7	Xylene (total)	ND		60	56.1	94	54.7	91	3	60-130/25

CAS No.	Surrogate Recoveries	MS	MSD	C6264-1	Limits
1868-53-7	Dibromofluoromethane	119%	114%	119%	60-130%
2037-26-5	Toluene-D8	88%	89%	93%	60-130%
460-00-4	4-Bromofluorobenzene	109%	104%	102%	60-130%