

**PHASE I SOIL VAPOR MONITORING
REPORT**

PHASE I SOIL VAPOR
MONITORING REPORT

SOUTHERN CALIFORNIA GAS
COMPANY
PLAYA DEL REY STORAGE
FACILITY
PLAYA DEL REY, CALIFORNIA

Prepared for

Southern California Gas Company
8141 Gulana Avenue
Playa Del Rey, California 90293-7930

29868671.30000
January 13, 2010



URS Corporation
2020 East First Street, Suite 400
Santa Ana, California 92705

PHASE I SOIL VAPOR MONITORING REPORT

**SOUTHERN CALIFORNIA GAS COMPANY
PLAYA DEL REY STORAGE FACILITY
PLAYA DEL REY, CALIFORNIA**

Prepared For:

**Southern California Gas Company
8141 Gulana Ave.
Playa Del Rey, California 90293-7930**

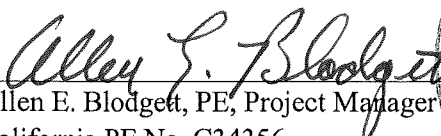
By:

**URS CORPORATION
2020 East First Street, Suite 400
Santa Ana, California 92705**

January, 2010

This Phase I Soil Vapor Monitoring Report for the Southern California Gas Company Playa Del Rey Storage Facility located at 8141 Gulana Avenue in the City of Playa Del Rey, California was prepared by URS Corporation on behalf of the Southern California Gas Company. This report is for the sole use and benefit of the Client. The scope of services performed in execution of this characterization may not be appropriate to satisfy the needs of other users, and any use or reuse of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of user. Given that conditions may vary between the points explored, it is possible that currently unrecognized subsurface conditions may be present at the Site. No express or implied representation or warranty is included or intended in this report expect that the work was performed within the limits prescribed by the Client with the customary thoroughness and competence of professionals working in the same area on similar projects. This report was prepared by the undersigned, who is a California registered professional.

URS Corporation


Allen E. Blodgett, PE, Project Manager
California PE No. C34356



1/13/2010
Date

Phase I Soil Vapor Monitoring Report

TABLE OF CONTENTS

1.0	INTRODUCTION.....	1-1
1.1	Background.....	1-1
1.2	Report Organization	1-2
2.0	OBJECTIVES, RATIONALE, AND SCOPE OF PHASE ONE SOIL VAPOR MONITORING	2-1
2.1	Objectives	2-1
2.2	Scope of Phase One Monitoring.....	2-1
3.0	SUMMARY OF MONITORING ACTIVITIES AND METHODS	3-1
3.1	Pre-Field Mobilization Activities	3-1
3.1.1	Health and Safety Plan Implementation.....	3-1
3.1.2	Utility Clearance	3-1
3.2	Soil Vapor Sampling and Analysis.....	3-1
3.2.1	Sample Locations and Depths.....	3-2
3.2.2	Shallow Soil Vapor Probe Installation.....	3-2
3.2.3	Soil Vapor Sample Collection and Analysis.....	3-2
3.2.4	Equipment Decontamination.....	3-4
4.0	SOIL VAPOR FINDINGS.....	4-1
4.1	Soil Vapor Findings.....	4-1
4.1.1	Methane.....	4-1
4.2	Quality Assurance / Quality Control	4-3
5.0	SUMMARY AND CONCLUSIONS.....	5-1
	Summary and Conclusions	5-1
6.0	REFERENCES	6-1

List of Tables

Table 1	Summary of Soil Vapor Analytical Results
---------	--

List of Figures

Figure 1	Facility Location Map
Figure 2	Site Plan
Figure 3	Soil Vapor Sampling Locations and C ₁ -C ₆ + Hydrocarbon Detections

List of Appendices

Appendix A	Soil Vapor Laboratory Analytical Reports
Appendix B	Data Validation Memorandum
Appendix C	Southern California Gas Company Well Site Maps

Phase I Soil Vapor Monitoring Report

ACRONYMS

bgs	Below ground surface
CPUC	California Public Utilities Commission
DOT	Department of Transportation
DTSC	Department of Toxic Substances Control
EPA	Environmental Protection Agency
Facility	Playa Del Rey Storage Facility
ft	Feet
GPR	Ground penetrating radar
HSP	Health and Safety Plan
LARWQCB-WIP	Los Angeles Regional Water Quality Control Board-Well Investigation Program
Microbac	Microbac Analytical Laboratories
mL	Milliliter
PCR	PCR Mobile Laboratories
PPE	Personal protective equipment
ppmv	Parts per million by volume
PRT	Post-run tubing
pv	Purge volume
RWQCB	Regional Water Quality Control Board
SoCalGas	Southern California Gas Company
URS	URS Corporation
USA	Underground Service Alert

Phase I Soil Vapor Monitoring Report

1.0 INTRODUCTION

URS Corporation (URS) has prepared this Phase I Soil Vapor Monitoring Report (Report) on behalf of the Southern California Gas Company (SoCalGas), a Sempra Energy Utility, to present the findings from the first phase of soil vapor exploration activities for the Playa Del Rey Storage Facility (Facility) located in Playa Del Rey, California. The location of the primary area of the Facility is shown on Figure 1.

The soil vapor monitoring program was performed under the supervision of Mr. Allen E. Blodgett, P.E., and Mr. Tom Zdeb, P.G., C.I.H., with URS. Mr. Blodgett is licensed as a civil engineer in the state of California and has over 20 years of directly applicable experience in the environmental field. Mr. Zdeb is licensed as a professional geologist in the state of California and an industrial hygienist certified by the American Board of Industrial Hygienists and has over 30 years of directly applicable experience in the environmental field.

The Facility background, location and description, and a discussion of sampling and analysis methodologies, findings, and conclusions are presented in the following sections.

1.1 BACKGROUND

The Facility is located at 8141 Gulana Avenue in Playa Del Rey, California (Figure 1). The geographic area where the Facility is located spans the Ballona Wetlands, which are at an elevation near sea level, and a bluff located on the south side of the wetlands. The top of the bluff is at an approximate elevation of 150 ft mean sea level. The Facility is a natural gas storage field consisting of a compressor plant (located at the top of the bluff), a tank farm (located at the toe of the bluff), a number of injection and extraction well sites that are located outside of the primary areas of the Facility, and the storage field which is located in a sandstone formation at a depth of approximately 6,100 feet below ground surface (bgs). The approximate boundaries (provided by SoCalGas on 10/14/09) of the storage field extend beyond the property lines of the ground surface footprint of the Facility (i.e., the compressor plant and tank farm). The approximate boundaries of the storage field are from Bora Bora Way to Fiji Way on the north, along Manchester Avenue on the south, along Berger Avenue and Berger Place from Manchester Avenue north through State owned lands on the east, and from Manchester Avenue north along Pershing Dr. through state owned lands Pacific Avenue on the west (Figure 2). The Playa Del Rey storage field was originally an oil field that produced during the 1930s. In 1942, after oil production had dropped due to decreasing pressure in the geologic formation, the US government initiated underground storage of natural gas. SoCalGas purchased the Facility in 1955, and continues to operate it today. The Facility possesses 57 wells which are used for various functions: injection/withdrawal of gas, fluid production, brine injection, and reservoir observation. Three compressors are used to inject the gas underground.

On December 20, 2007, the California Public Utilities Commission (CPUC) approved a settlement agreement of complaint cases relating to the Facility. As part of this settlement agreement, SoCalGas agreed to have a soil vapor monitoring program performed. Phase One of the soil vapor monitoring program SoCalGas implemented in response to that agreement is detailed in this report.

Phase I Soil Vapor Monitoring Report

1.2 REPORT ORGANIZATION

The scope of work, findings and summary/conclusions for the first phase of soil vapor monitoring activities are presented in this report which has been organized into the following sections:

Section 1.0	Introduction
Section 2.0	Objectives, Rationale and Scope of Phase I Soil Vapor Explorations
Section 3.0	Summary of Monitoring Activities and Methods
Section 4.0	Soil Vapor Findings
Section 5.0	Summary and Conclusions
Section 6.0	References

2.0 OBJECTIVES, RATIONALE, AND SCOPE OF PHASE ONE SOIL VAPOR MONITORING

2.1 OBJECTIVES

The objective of the first phase of work was to evaluate the potential presence of methane naturally occurring from local sources (e.g., biodegradation of organic material) or processed natural gas in shallow soils (i.e., at four feet bgs). Processed natural gas is primarily methane, but has components (e.g., helium and light hydrocarbons) which are not found in methane occurring from biogenic sources.

2.2 SCOPE OF PHASE ONE MONITORING

The scope of work that was developed to meet the objectives of Phase I is summarized below:

- ◆ Prepare a site-specific Health and Safety Plan (HSP) for field operations to be conducted at the Facility;
- ◆ Soil vapor sampling at a depth of four feet bgs;
- ◆ Analysis of soil vapor samples using a mobile laboratory;
- ◆ Prepare this report summarizing the soil vapor sampling activities and sample analyses with conclusions and recommendations for Phase II.

3.0 SUMMARY OF MONITORING ACTIVITIES AND METHODS

3.1 PRE-FIELD MOBILIZATION ACTIVITIES

3.1.1 Health and Safety Plan Implementation

Pursuant to Health and Safety Code 1910.120, URS prepared and implemented a Site-specific HSP for field operations conducted at the Facility. The HSP:

- ◆ Identifies and describes potentially hazardous materials that may be encountered during field operations;
- ◆ Specifies personal protective equipment (PPE) and clothing for onsite activities; and
- ◆ Outlines measures to be implemented in the event of an emergency.

URS field personnel and onsite subcontractors reviewed the requirements of the HSP and signed an acknowledgment form prior to commencement of field work.

3.1.2 Utility Clearance

Underground Services Alert (USA) was notified of our intent to conduct subsurface explorations at least 48 hours prior to initiation of intrusive field tasks. Proposed locations of subsurface exploration were clearly marked with white paint and surveyors flagging as required by USA. USA contacted utility owners of record within the vicinity and notified them of our intention to conduct subsurface explorations in proximity to buried utilities. The utility owners of record, or their designated agents, were expected to clearly mark the position of their utilities on the ground surface throughout the area designated for exploration. In addition, the probe locations were reviewed in the field with representatives of the Facility to help identify conflicts with subsurface utilities and structures.

Surface geophysics were also used in an effort to identify subsurface lines and obstructions in the exploration areas. Geophysical methods included magnetic, electromagnetic, and ground penetrating radar (GPR) line location. Geophysical surveys were conducted for all probe locations on June 5, 9 and 15, 2009. During the surveys no probe locations had to be removed, but some probe locations were relocated approximately 1 to 5 ft from the proposed locations based on the discovery of subsurface lines and obstructions.

3.2 SOIL VAPOR SAMPLING AND ANALYSIS

Soil vapor sampling was conducted in accordance with the *Advisory for Active Soil Gas Investigations*, DTSC and RWQCB, January 28, 2003. A description of probe installation and sample collection procedures is provided below.

Soil vapor sampling was conducted by PCR Mobile Laboratories (PCR) of San Marcos, California, and field analysis of soil vapor samples was conducted by Microbac Analytical Laboratories (Microbac) of

Phase I Soil Vapor Monitoring Report

Riverside, California, under subcontract to URS. Microbac is a Los Angeles Regional Water Quality Control Board-Well Investigation Program (LARWQCB-WIP)-approved soil vapor contractor. The soil vapor monitoring was conducted at the Facility between June 11 and June 26, 2009. The methodology described above was consistent with the Soil Gas Advisory developed by the Department of Toxic Substances Control (DTSC) and the Regional Water Quality Control Board (DTSC/RWQCB, 2003). Soil vapor samples were analyzed for C₁-C₆+ hydrocarbons, which includes methane.

3.2.1 Sample Locations and Depths

Shallow Soil Vapor Sample Locations

Approximately 150 soil vapor samples were collected at a depth of 4 ft bgs throughout the Facility and satellite well sites between June 10, 2009 and June 26, 2009. In general, two soil vapor probes were located at each of the Facility's active well locations. In areas where two or more Facility wells were located in close proximity to each other, fewer soil vapor probe locations were used to represent the group of wells. The remaining shallow soil vapor probe locations were selected throughout the compressor plant and the tank farm with preference given to locations near neighboring residential parcels. Shallow soil vapor probe locations are shown on Figure 3.

3.2.2 Shallow Soil Vapor Probe Installation

Shallow soil vapor probes were installed using a pneumatic drive system. The probe tip design consisted of a Teflon® post-run tubing (PRT) and drop-tip system. The soil vapor probes were constructed of 1-inch diameter hardened steel and had a sampling port located at the tip; the sampling port was protected during installation by an expendable tip. This design prevented clogging of the sampling port and cross-contamination from soil during probe insertion. The probe was pneumatically driven into the ground. After the probe was advanced to a depth of 4 feet bgs, the probe rods were pulled up approximately 6 inches to expose the sampling port to the soil. Inert ¼-inch Teflon tubing with a threaded tip tube was inserted down the center of the rod to the sampling port, and the threaded PRT fitting was then screwed into the sampling port. After probe installation, hydrated bentonite crumbles (#8) were used to seal around the drive rod at the ground surface to prevent ambient air intrusion. After sampling was completed, the probe rods and tubing were withdrawn from the borehole, and the borehole annulus was backfilled with hydrated bentonite crumbles (#8) and capped with material matching the surrounding area.

3.2.3 Soil Vapor Sample Collection and Analysis

Purge Testing: To ensure that stagnant or ambient air was adequately purged from the sampling system prior to sample collection, a purge volume versus concentration test was conducted at the first soil vapor probe location. One "purge volume (pv)" was estimated from a summation of the sample container volume, internal volume of tubing used, and volume of space at the probe tip. The volume of the probe tip and tubing at 4 ft bgs when utilizing ¼-inch diameter tubing (0.18 inch internal diameter) and exposing 6 inches of soil to the PRT was approximately 365 milliliters (mL) for 1 pv, 1,095 mL for 3 pv, and 2,555 mL for 7 pv. Soil vapor samples were collected in vapor-tight sampling bulbs using each of the

Phase I Soil Vapor Monitoring Report

above purge volumes, and each sample was analyzed for C₁-C₆+ hydrocarbons by the mobile laboratory. The purge volume that yielded the highest concentration of C₁-C₆+ hydrocarbons was used for subsequent samples.

Due to the potential for differences in material properties on top of and below the bluff, a purge volume test was conducted for the locations at the top of the bluff and a second test was conducted for the locations at the bottom of the bluff. The purge test performed at the top of the bluff was conducted at SG-001 (Figure 3), and the purge test performed at the bottom of the bluff was conducted at SG-006. For both purge tests, one purge volume yielded the highest concentration of C₁-C₆+ hydrocarbons, particularly methane. Thus, one purge volume was initially used for vapor sampling.

Two additional purge volume tests were conducted at probe locations SG-064 and SG-064A. An additional purge volume test was conducted at SG-064 because a methane concentration of 350,000 parts per million by volume (ppmv) was detected in the sample at one purge volume. Because this result was 10,000 times greater than the concentrations detected during both initial purge tests at SG-001 and SG-006, a 3pv test sample and 7pv test sample were collected and analyzed from this location. In order to confirm the results of this purge volume test, an additional purge volume test was performed 2½ feet away from SG-064 at SG-064A. Both purge volume tests yielded the highest concentration for C₁-C₆+ hydrocarbons at 3 purge volumes. Thus, three purge volumes were used for the remainder of the vapor sampling.

Leak Testing: Leak testing was conducted to confirm that leakage did not occur during soil vapor sampling that would result in sample dilution with ambient air. A tracer gas (isopropyl alcohol) was used to test for atmospheric breakthrough. The tracer gas was released near the ground surface adjacent to the probe and covered with a plastic bucket surrounding the borehole, as well as near the top of the sampling rod that was protruding from the ground. The soil vapor samples collected from the probes were analyzed for the tracer gas. Tracer gas was not detected above the laboratory reporting limit of 10 µg/L in any of the samples collected during this phase of monitoring.

Sampling and Analysis Procedures: The installed probe and tubing, with a valve closed at the surface, was allowed to equilibrate for a minimum of 30 minutes after the bentonite seal was hydrated. After the end of this time period, a magnehelic or similar pressure gauge with a sensitivity of no less than 0.01 inch of water was used to measure pressure that might have been present in the probe. This was accomplished by attaching the pressure sensing gauge to the valve and opening the valve to see if any pressure was evident. This value was recorded in the field sampling logs. Initial pressure or vacuum was not detected in any of the probes.

The soil vapor samples were then collected in 125 ml glass vapor sample bulbs supplied by the onsite mobile laboratory. This was accomplished by drawing samples from the tubing through the stopcock located at each end of the glass sample bulbs, using a pump set at a flow rate of 200 ml/min or less. After purging 1 to 3 purge volumes, the sample was collected by closing the stopcock next to the pump followed by the one located closest to the probe, or simultaneously when possible.

Phase I Soil Vapor Monitoring Report

After the soil vapor sample was collected in the 125 ml glass sample bulb, the glass bulb was labeled with the sample identification number (consisting of the letters SG followed by a sequential sample number), sample depth, date and time of sample collection, and sampler's initials, and then transferred to the onsite mobile laboratory under chain-of-custody documentation. Samples were analyzed within 30 minutes of collection for C₁-C₆+ straight-chain hydrocarbons per EPA Method 8015(M) with carbon chain breakdown. In addition to methane, analyses included n-butane, ethane, ethene, n-hexane, isobutane, pentane, propane, propene, C₆+ hydrocarbons, and isopropanol (Table 1). To quantify the individual hydrocarbons, gas standards were used that included the individual straight chain hydrocarbons up to and including C₆ (hexane) and also included a separate standard for ethene, propene, and isobutane.

3.2.4 Equipment Decontamination

Equipment used during field exploration and sampling was decontaminated prior to use at each boring and sampling point to reduce the potential for the introduction of contamination and cross-contamination in accordance with the guidelines and procedures discussed below. These procedures were necessary to ensure quality control in decontamination of field equipment and to serve as a means to identify and correct potential errors in the sample collection and sample handling procedures.

Sampling equipment that came into contact with potentially contaminated soil or water was decontaminated consistently to assure the quality of samples collected. Decontamination occurred prior to and after each use of a piece of equipment. Sampling devices used were decontaminated using the following procedures:

- ◆ Non-phosphate detergent and tap water wash, using a brush as necessary;
- ◆ Initial deionized/distilled water rinse; and
- ◆ Final deionized/distilled water rinse.

Equipment was decontaminated onsite in a pre-designated area on plastic sheeting, and clean bulky equipment was stored on plastic sheeting in uncontaminated areas. Decontaminated small equipment was stored in plastic bags. Equipment stored more than a few hours was covered. Decontamination water produced was placed in a Department of Transportation (DOT)-approved 55-gallon drum and labeled as decontamination water with the date. Disposition of decontamination fluids will be evaluated upon receipt of analytical results, which will be obtained at the completion of Phase II.

4.0 SOIL VAPOR FINDINGS

4.1 SOIL VAPOR FINDINGS

Soil vapor samples were collected at 150 locations to evaluate the presence, concentrations and breakdown of C₁-C₆+ hydrocarbons at representative locations throughout the Facility and at offsite well locations. A site plan showing sampling locations and C₁-C₆+ hydrocarbons detections is provided on Figure 3. Vapor samples were collected at each location at an approximate depth of 4 ft bgs. The findings of the soil vapor sampling analysis program are described in the following sections. A summary of soil vapor sampling results is presented in Table 1. Laboratory analytical reports are provided in Appendix A. A data validation memorandum for soil vapor analytical results is provided in Appendix B.

4.1.1 Methane

Methane was detected in all of the 150 samples at concentrations ranging from 10J (J=estimated value reported between the method detection limit and the reporting limit) ppmv in sample SG-149 to 590,000 ppmv in sample SG-64-3PV. In the majority of the samples analyzed (i.e., 86 samples) methane was measured at a concentration of 41 ppmv or lower. Five samples: SG-64-3PV, SG-065, SG-139, SG-140, and SG-141 had concentrations of methane above 25,000 ppmv. A concentration of 25,000 ppmv for methane is a criterion that was established in the settlement agreement that, if exceeded, would require additional analysis during the second phase for C₁-C₆+ straight chain and aromatic hydrocarbons following Method 8015(M) and for delta ¹³C, as described in the workplan (URS 2009). All five of these samples also exceeded the 50,000 ppmv criterion established in the settlement agreement that would require collection of samples for analysis of helium during the second phase of work at these locations. Three samples; SG-64-3PV, SG-140, and SG-141 exceed the 250,000 ppmv criterion established in the settlement agreement that would require collection of samples, during the second phase of work, for the measurement of delta ¹⁴C at these locations. Figure 3 shows the distribution of subsurface (4 ft bgs) soil vapor concentrations of methane and C₁-C₆+ straight-chain hydrocarbons.

4.1.1.1 Ethane

Ethane was detected in 19 of 150 samples at concentrations ranging from 1.3 J ppmv in multiple samples to 13,000 ppmv in sample SG-141. Figure 3 shows the distribution of subsurface (4 ft bgs) soil vapor concentrations of ethane.

4.1.1.2 Propane

Propane was detected in 17 of the 150 samples at concentrations ranging from 0.45J ppmv in sample SG-052 to 380 ppmv in sample SG-140. Figure 3 shows the distribution of subsurface (4 ft bgs) soil vapor concentrations of propane.

Phase I Soil Vapor Monitoring Report

4.1.1.3 Isobutane

Isobutane was detected in 11 of the 150 samples at concentrations ranging from 0.41J ppmv in sample SG-065 to 320 ppmv in sample SG-140. Figure 3 shows the distribution of subsurface (4 ft bgs) soil vapor concentrations of isobutane.

4.1.1.4 N-Butane

N-Butane was detected in 9 of the 150 samples at concentrations ranging from 0.60J ppmv in sample SG-137 to 47 ppmv in sample SG-140. Figure 3 shows the distribution of subsurface (4 ft bgs) soil vapor concentrations of n-butane.

4.1.1.5 C₆+ Hydrocarbons

C₆+ hydrocarbons were detected in 6 of the 150 samples at concentrations ranging from 0.44J ppmv in sample SG-052 to 34 ppmv in sample SG-140. Figure 3 shows the distribution of subsurface (4 ft bgs) soil vapor concentrations of C₆+ hydrocarbons.

4.1.1.6 Pentane

Pentane was detected in 5 of the 150 samples at concentrations ranging from 1.1J ppmv in sample SG-064A-3PV to 29 ppmv in sample SG-140. Figure 3 shows the distribution of subsurface (4 ft bgs) soil vapor concentrations of pentane.

4.1.1.7 N-Hexane

N-Hexane was detected in 3 of the 150 samples at concentrations ranging from 1.4J ppmv in sample SG-141 to 16 ppmv in sample SG-140. Figure 3 shows the distribution of subsurface (4 ft bgs) soil vapor concentrations of n-hexane.

4.1.1.8 Propene

Propene was detected in 1 of the 150 samples at a concentration of 0.53J ppmv in sample SG-017. Figure 3 shows the distribution of subsurface (4 ft bgs) soil vapor concentrations of propene.

4.1.1.9 Ethene

Ethene was not detected above the laboratory reporting limit of 3.0 ppmv or as an estimated value (J) in any of the 150 samples analyzed.

4.1.1.10 Pressure

The presence of pressure was not detected in any of the probes prior to sampling. Pressure data is presented in Table 1.

4.2 QUALITY ASSURANCE / QUALITY CONTROL

Field duplicate soil vapor samples were collected at a frequency of one per 10 samples. Field duplicate samples were used to assess the total variance of the sampling method used, including the laboratory analysis. Samples were analyzed within 30 minutes of collection for C₁-C₆+ straight chain hydrocarbons per EPA Method 8015(M) with carbon-chain breakdown. In addition to methane, analyses included n-butane, ethane, ethene, n-hexane, isobutane, pentane, propane, propene, C₆+ hydrocarbons, and Isopropanol (Table 1). To quantify the individual hydrocarbons, gas standards were used that included the individual straight chain hydrocarbons up to and including C₆ (hexane). Ethene, propene, and isobutene were quantified against the ethane, propane and butane standards, respectively. A data validation memorandum for soil vapor is provided in Appendix B.

5.0 SUMMARY AND CONCLUSIONS

SUMMARY AND CONCLUSIONS

Shallow soils beneath the facility contain vapors with measurable concentrations of methane and C₂-C₆+ straight-chain hydrocarbons. The measured methane concentrations are greatest in samples SG-064, SG-064A, SG-065, SG-139, SG-140 and SG-141. SG-064 and SG-065 are associated with SoCalGas' well site Del Rey-10 (Appendix C). SG-139, SG-140, and SG-141 are associated with SoCalGas' well sites Stewart-1, Covington-1 and Riegel-1 (Appendix C).

At well site Del Rey-10, methane was present at a concentration of up to 590,000 ppmv. In addition other C₁-C₆+ straight-chain hydrocarbons were also detected at relatively low concentrations. At well sites Stewart-1, Covington-1 and Riegel-1, methane was present at concentrations of 210,000 ppmv, 370,000 ppmv, and 450,000 ppmv, respectively. Other C₁-C₆+ straight-chain hydrocarbons were also detected. Notably no probes showed indications of the sampled gases being under a positive pressure.

Additional conclusions and recommendations will be made about the nature and extent of methane at the Facility upon completion of phase II sampling and analysis.

6.0 REFERENCES

DTSC and RWQCB, 2003. Advisory for Active Soil Gas Investigations. January 2003.

Exploration Technologies, Inc. 2000. Field and Laboratory Procedures for Soil Vapor Sampling, Playa Vista, Los Angeles, California. January 5, 2000.

URS, 2009. Soil Gas Monitoring Work Plan. June3, 2009.

Tables

TABLE 1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
Sempra Energy - Playa Del Rey, CA
Page 2 of 4

Sample ID:	Sample Date:	ANALYTE Units	N-Butane ppmv	Ethane ppmv	Ethene ppmv	N-Hexane ppmv	Isobutane ppmv	Methane ppmv	Pentane ppmv	Propane ppmv	Propene ppmv	Hydrocarbons C6+ ppmv	Pressure inches H2O
SG-039	06/15/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	20	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-040	06/15/2009	CONC	ND (<1.5)	1.7 J	ND (<3.0)	ND (<1.5)	ND (<1.5)	37	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-041	06/15/2009	CONC	ND (<1.5)	1.3 J	ND (<3.0)	ND (<1.5)	ND (<1.5)	30	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-042	06/15/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	22	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-042-DUP	06/15/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	24	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-043	06/15/2009	CONC	ND (<1.5)	1.6 J	ND (<3.0)	ND (<1.5)	ND (<1.5)	30	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-044	06/15/2009	CONC	ND (<1.5)	1.4 J	ND (<3.0)	ND (<1.5)	ND (<1.5)	30	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-045	06/15/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	23	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-046	06/15/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	17	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-047	06/15/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	24	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-048	06/15/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	24	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-048-DUP	06/15/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	22	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-049	06/16/2009	CONC	ND (<1.5)	1.4 J	ND (<3.0)	ND (<1.5)	ND (<1.5)	33	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-050	06/16/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	24	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-051	06/16/2009	CONC	ND (<1.5)	1.4 J	ND (<3.0)	ND (<1.5)	ND (<1.5)	29	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-052	06/16/2009	CONC	ND (<1.5)	1.4 J	ND (<3.0)	ND (<1.5)	ND (<1.5)	28	ND (<1.5)	0.45 J	ND (<1.5)	0.44 J	ND (<0)
SG-053	06/16/2009	CONC	ND (<1.5)	1.3 J	ND (<3.0)	ND (<1.5)	ND (<1.5)	29	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-054	06/16/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	21	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-055	06/16/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	25	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-055-DUP	06/16/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	28	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-056	06/16/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	20	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-057	06/16/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	26	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-058	06/16/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	22	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-059	06/16/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	23	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-060	06/16/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	25	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-061	06/16/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	17	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-062	06/16/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	25	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-063	06/17/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	23	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-064-1PV	06/17/2009	CONC	0.83 J	ND (<3.0)	ND (<3.0)	ND (<1.5)	1.8	350000	ND (<1.5)	9.0	ND (<1.5)	ND (<1.5)	ND (<0)
SG-064-3PV	06/17/2009	CONC	0.87 J	ND (<3.0)	ND (<3.0)	ND (<1.5)	2.0	590000	ND (<1.5)	9.9	ND (<1.5)	ND (<1.5)	ND (<0)
SG-064-7PV	06/17/2009	CONC	0.89 J	ND (<3.0)	ND (<3.0)	ND (<1.5)	2.0	550000	ND (<1.5)	9.7	ND (<1.5)	ND (<1.5)	ND (<0)
SG-064A-1PV	06/17/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	0.51 J	190000	0.39 J	2.4	ND (<1.5)	ND (<1.5)	ND (<0)
SG-064A-3PV	06/17/2009	CONC	0.67 J	ND (<3.0)	ND (<3.0)	ND (<1.5)	1.5	270000	1.1 J	6.9	ND (<1.5)	ND (<1.5)	ND (<0)
SG-064A-7PV	06/17/2009	CONC	0.64 J	ND (<3.0)	ND (<3.0)	ND (<1.5)	1.4 J	240000	ND (<1.5)	6.5	ND (<1.5)	ND (<1.5)	ND (<0)
SG-065	06/18/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	0.41 J	54000	ND (<1.5)	1.6	ND (<1.5)	ND (<1.5)	ND (<0)
SG-066	06/18/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	12 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-067	06/18/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	13 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-068	06/18/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	14 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-069	06/18/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	15	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-070	06/18/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	18	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-071	06/18/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	13 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-072	06/18/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	12 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)

Notes: ppmv = parts per million by volume
ND (<1.5) = Not detected above indicated detection limit
J = Estimated Value reported between the Method Detection Limit (MDL) and Reporting Limit (RL)
CONC = Concentration

TABLE 1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
 Sempra Energy - Playa Del Rey, CA
 Page 3 of 4

Sample ID:	Sample Date:	ANALYTE Units	N-Butane ppmv	Ethane ppmv	Ethene ppmv	N-Hexane ppmv	Isobutane ppmv	Methane ppmv	Pentane ppmv	Propane ppmv	Propene ppmv	Hydrocarbons C6+ ppmv	Pressure inches H2O
SG-073	06/18/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	15	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-074	06/18/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	15	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-075	06/18/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	17	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-076	06/18/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	16	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-076-DUP	06/18/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	17	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-077	06/19/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	21	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-078	06/19/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	12 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-079	06/19/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	14 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-079-DUP	06/19/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	15	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-080	06/19/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	14 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-081	06/19/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	14 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-082	06/19/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	19	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-083	06/19/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	13 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-084	06/19/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	16	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-085	06/19/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	17	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-085-DUP	06/19/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	23	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-086	06/22/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	30	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-087	06/22/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	34	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-088	06/22/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	23	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-089	06/22/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	18	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-090	06/22/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	22	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-091	06/22/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	22	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-092	06/22/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	25	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-093	06/22/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	26	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-094	06/22/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	20	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-095	06/22/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	20	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-096	06/22/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	26	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-097	06/22/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	22	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-097-DUP	06/22/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	17	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-098	06/23/2009	CONC	ND (<1.5)	1.3 J	ND (<3.0)	ND (<1.5)	ND (<1.5)	30	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-099	06/23/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	23	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-100	06/23/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	24	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-101	06/23/2009	CONC	ND (<1.5)	1.3 J	ND (<3.0)	ND (<1.5)	ND (<1.5)	29	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-102	06/23/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	18	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-103	06/23/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	21	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-104	06/23/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	23	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-105	06/23/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	17	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-106	06/23/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	20	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-107	06/23/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	21	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-108	06/23/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	21	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-109	06/23/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	21	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)

Notes: ppmv = parts per million by volume
 ND (<1.5) = Not detected above indicated detection limit
 J = Estimated Value reported between the Method Detection Limit (MDL) and Reporting Limit (RL)
 CONC = Concentration

TABLE 1
SUMMARY OF SOIL GAS ANALYTICAL RESULTS
Sempra Energy - Playa Del Rey, CA
Page 4 of 4

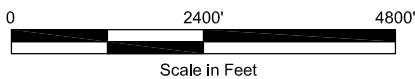
Sample ID:	Sample Date:	ANALYTE Units	N-Butane ppmv	Ethane ppmv	Ethene ppmv	N-Hexane ppmv	Isobutane ppmv	Methane ppmv	Pentane ppmv	Propane ppmv	Propene ppmv	Hydrocarbons C6+ ppmv	Pressure inches H2O
SG-110	06/23/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	17	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-111	06/23/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	18	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-112	06/23/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	22	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-112-DUP	06/23/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	21	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-113	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	24	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-114	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	28	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-115	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	340	ND (<1.5)	0.53 J	ND (<1.5)	ND (<1.5)	ND (<0)
SG-116	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	24	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-117	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	25	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-118	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	20	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-119	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	20	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-120	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	21	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-120-DUP	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	20	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-121	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	14 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-122	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	14 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-123	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	24	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-124	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	18	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-125	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	20	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-126	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	22	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-126-DUP	06/24/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	24	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-127	06/25/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	26	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-128	06/25/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	650	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-129	06/25/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	41	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-130	06/25/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	26	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-131	06/25/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	27	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-132	06/25/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	30	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-133	06/25/2009	CONC	ND (<1.5)	2.3 J	ND (<3.0)	ND (<1.5)	ND (<1.5)	600	ND (<1.5)	1.0 J	ND (<1.5)	2.0	ND (<0)
SG-134	06/25/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	20	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-134-DUP	06/25/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	19	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-135	06/25/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	33	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-136	06/25/2009	CONC	ND (<1.5)	1.5 J	ND (<3.0)	ND (<1.5)	ND (<1.5)	110	ND (<1.5)	0.55 J	ND (<1.5)	ND (<1.5)	ND (<0)
SG-137	06/25/2009	CONC	0.60 J	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	16000	ND (<1.5)	1.6	ND (<1.5)	24	ND (<0)
SG-138	06/25/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	30	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-139	06/25/2009	CONC	0.65 J	4600	ND (<3.0)	2.6	140	210000	4.8	6.8	ND (<1.5)	2.9	ND (<0)
SG-140	06/26/2009	CONC	47	7900	ND (<3.0)	16	320	370000	29	380	ND (<1.5)	34	ND (<0)
SG-141	06/26/2009	CONC	0.61 J	13000	ND (<3.0)	1.4 J	61	450000	2.5	11	ND (<1.5)	20	ND (<0)
SG-142	06/26/2009	CONC	ND (<1.5)	20	ND (<3.0)	ND (<1.5)	0.44 J	1100	ND (<1.5)	0.47 J	ND (<1.5)	ND (<1.5)	ND (<0)
SG-143	06/26/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	22	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-144	06/26/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	25	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-144-DUP	06/26/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	23	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-145	06/26/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	18	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-146	06/26/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	17	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-147	06/26/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	13 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-148	06/26/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	16	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-149	06/26/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	10 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-150	06/26/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	12 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)
SG-150-DUP	06/26/2009	CONC	ND (<1.5)	ND (<3.0)	ND (<3.0)	ND (<1.5)	ND (<1.5)	13 J	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<1.5)	ND (<0)

Notes: ppmv = parts per million by volume
ND (<1.5) = Not detected above indicated detection limit
J = Estimated Value reported between the Method Detection Limit (MDL) and Reporting Limit (RL)
CONC = Concentration

Figures



Source: Thomas Bros. Maps, Los Angeles Street Guide, 2006.



URS Corporation

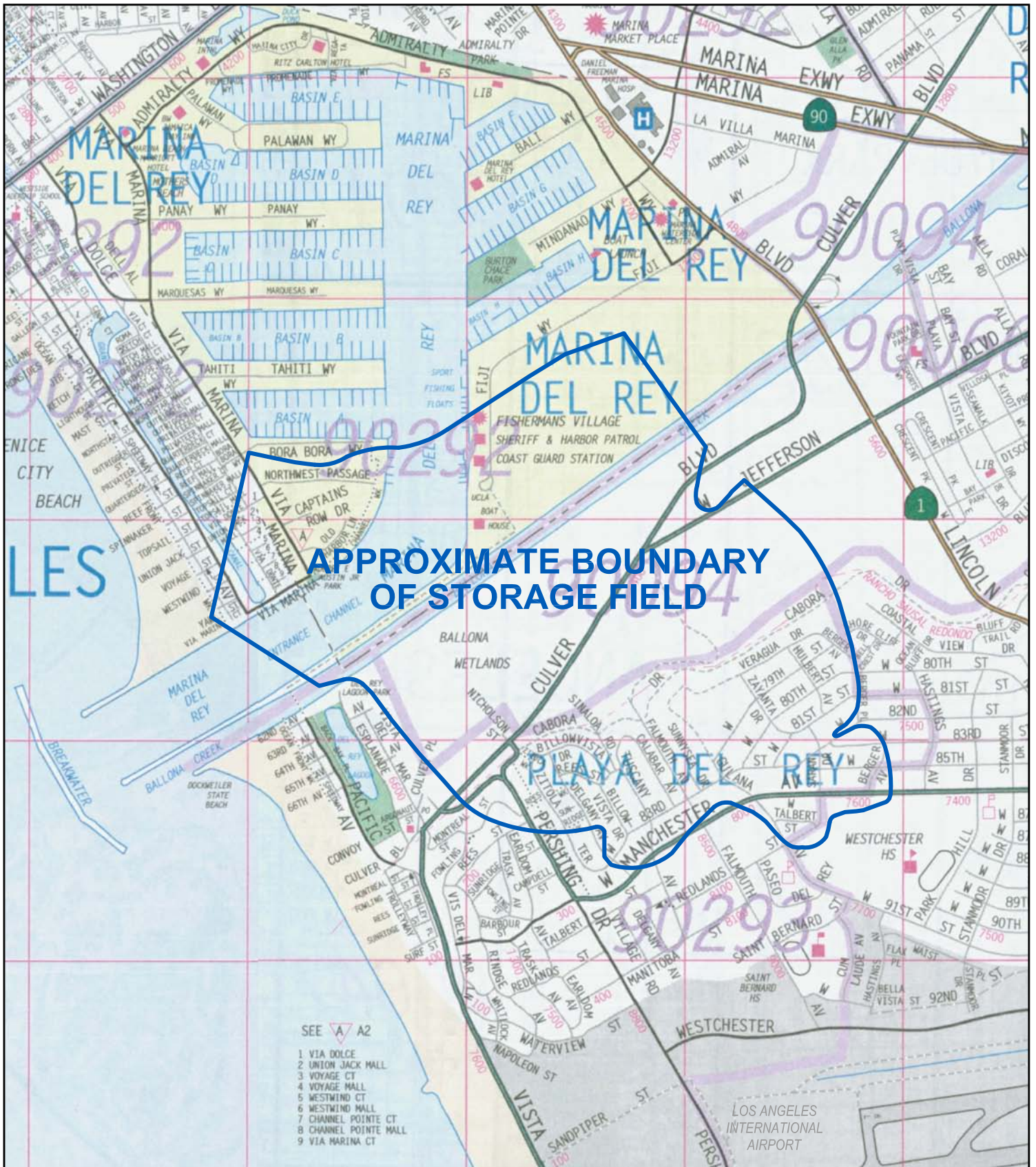
FACILITY LOCATION MAP

Proj. No.: 29868671

Date: MAR 2009

Project: SoCal Gas
Playa Del Rey
Storage Facility

Figure: 1



Source: Thomas Bros. Maps, Los Angeles Street Guide, 2006.



URS Corporation

SITE PLAN

Proj. No.: 29868671

Date: MAR 2009

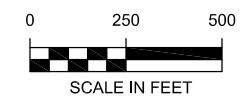
Project: SoCal Gas
Playa Del Rey
Storage Facility

Figure: 2



EXPLANATION

- SOIL VAPOR SAMPLING LOCATION
- ALL CONCENTRATIONS IN ppmv (PARTS PER MILLION VOLUME).



URS Corporation

SOIL VAPOR SAMPLING LOCATIONS AND
METHANE CONCENTRATIONS >25,000 ppmv

Proj. No.: 29868671

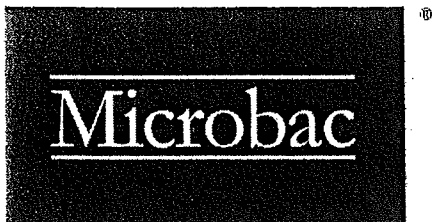
Date: AUGUST 2009

Project: Southern California Gas Company
Playa del Rey Storage Facility

Figure:
3

Appendix A

Soil Vapor Laboratory Analytical Reports




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com socal@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CASE NARRATIVE

Authorized Signature Name / Title (print)	Mark Horan, Division Manager
Signature / Date	 Mark Horan, Division Manager 07/31/2009 13:36:57
Laboratory Job No. (Certificate of Analysis No.)	0906-00204
Project Name / No.	Playa Del Rey Storage Facility
Dates Sampled (from/to)	06/10/09 To 06/10/09
Dates Received (from/to)	06/10/09 To 06/10/09
Dates Reported (from/to)	06/11/09 To 07/31/09
Chains of Custody Received	Yes

Comments:

Subcontracting Organic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

Sample	Analyte	Q	Result	Units	RL	Sample	Analyte	Q	Result	Units	RL
Ambient Blank	Methane		37	ppmv	15	SG-001-1PV	Methane		30	ppmv	15
SG-001-3PV	Methane		20	ppmv	15	SG-001-7PV	Methane		29	ppmv	15
SG-002	Methane		31	ppmv	15	SG-003	Methane		29	ppmv	15
SG-004	Methane		25	ppmv	15	SG-005	Methane		18	ppmv	15
SG-006-1PV	Methane		19	ppmv	15	SG-006-3PV	Methane	J	13	ppmv	15
SG-006-7PV	Methane		23	ppmv	15	SG-006-9PV	Methane	J	12	ppmv	15
SG-007	Methane		21	ppmv	15	SG-007-DUP	Methane		18	ppmv	15



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00204

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/11/09
 Date Received 06/10/09
 Invoice No. 53836
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 Ambient Blank								Date & Time Sampled: 06/10/09 @ 9:18		
[C1-C6]										
Methane	37		ppmv	EPA 8015B	1	10	15	06/10/09	7:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/10/09	7:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT

Sample: 002 SG-001-1PV								Date & Time Sampled: 06/10/09 @ 9:44		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	30		ppmv	EPA 8015B	1	10	15	06/10/09	7:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/10/09	7:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/10/09	7:04	JCT

Sample: 003 SG-001-3PV								Date & Time Sampled: 06/10/09 @ 10:20		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	20		ppmv	EPA 8015B	1	10	15	06/10/09	7:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00204

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/11/09
 Date Received 06/10/09
 Invoice No. 53836
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SG-001-3PV Date & Time Sampled: 06/10/09 @ 10:20 Purge Volume Sampled: 3continued										
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/10/09	7:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/10/09	7:04	JCT
Sample: 004 SG-001-7PV Date & Time Sampled: 06/10/09 @ 10:52 Purge Volume Sampled: 7										
[C1-C6]										
Methane	29		ppmv	EPA 8015B	1	10	15	06/10/09	7:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/10/09	7:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/10/09	7:04	JCT
Sample: 005 SG-002 Date & Time Sampled: 06/10/09 @ 11:45 Purge Volume Sampled: 1										
[C1-C6]										



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00204

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

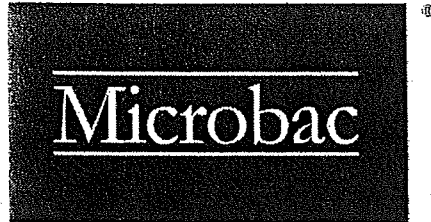
Date Reported 06/11/09
 Date Received 06/10/09
 Invoice No. 53836
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SG-002					Date & Time Sampled: 06/10/09 @ 11:45					
Purge Volume Sampled: 1										
... continued										
Methane	31		ppmv	EPA 8015B	1	10	15	06/10/09	7:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/10/09	7:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/10/09	7:04	JCT
Sample: 006 SG-003					Date & Time Sampled: 06/10/09 @ 12:11					
Purge Volume Sampled: 1										
[C1-C6]										
Methane	29		ppmv	EPA 8015B	1	10	15	06/10/09	7:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/10/09	7:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/10/09	7:04	JCT
Sample: 007 SG-004					Date & Time Sampled: 06/10/09 @ 13:29					

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com socal@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00204

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/11/09
 Date Received 06/10/09
 Invoice No. 53836
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SG-004					Date & Time Sampled: 06/10/09 @ 13:29					
Purge Volume Sampled: 1										
[C1-C6]										
Methane	25		ppmv	EPA 8015B	1	10	15	06/10/09	7:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/10/09	7:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/10/09	7:04	JCT
Sample: 008 SG-005					Date & Time Sampled: 06/10/09 @ 13:48					
Purge Volume Sampled: 1										
[C1-C6]										
Methane	18		ppmv	EPA 8015B	1	10	15	06/10/09	7:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/10/09	7:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/10/09	7:04	JCT
Sample: 009 SG-006-1PV					Date & Time Sampled: 06/10/09 @ 15:00					

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00204

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/11/09
 Date Received 06/10/09
 Invoice No. 53836
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 SG-006-1PV								Date & Time Sampled: 06/10/09 @ 15:00		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	19		ppmv	EPA 8015B	1	10	15	06/10/09	7:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/10/09	7:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/10/09	7:04	JCT
Sample: 010 SG-006-3PV								Date & Time Sampled: 06/10/09 @ 15:20		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	13	J	ppmv	EPA 8015B	1	10	15	06/10/09	7:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/10/09	7:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/10/09	7:04	JCT
Sample: 011 SG-006-7PV								Date & Time Sampled: 06/10/09 @ 15:38		

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00204

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/11/09
 Date Received 06/10/09
 Invoice No. 53836
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SG-006-7PV Date & Time Sampled: 06/10/09 @ 15:38										
Purge Volume Sampled: 7										
[C1-C6]										
Methane	23		ppmv	EPA 8015B	1	10	15	06/10/09	7:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/10/09	7:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/10/09	7:04	JCT
Sample: 012 SG-006-9PV Date & Time Sampled: 06/10/09 @ 16:10										
Purge Volume Sampled: 9										
[C1-C6]										
Methane	12	J	ppmv	EPA 8015B	1	10	15	06/10/09	7:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/10/09	7:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/10/09	7:04	JCT
Sample: 013 SG-007 Date & Time Sampled: 06/10/09 @ 16:29										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research





Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

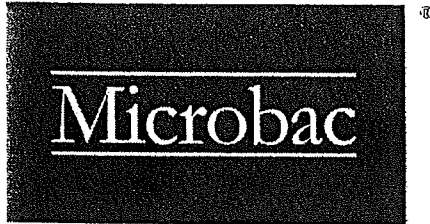
0906-00204

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/11/09
 Date Received 06/10/09
 Invoice No. 53836
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 SG-007										
Date & Time Sampled: 06/10/09 @ 16:29										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	21		ppmv	EPA 8015B	1	10	15	06/10/09	7:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/10/09	7:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/10/09	7:04	JCT
Sample: 014 SG-007-DUP										
Date & Time Sampled: 06/10/09 @ 16:29										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	18		ppmv	EPA 8015B	1	10	15	06/10/09	7:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/10/09	7:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/10/09	7:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/10/09	7:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/10/09	7:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/10/09	7:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/10/09	7:04	JCT



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

Respectfully Submitted:

Mark Horan - Division Manager

QUALIFIERS

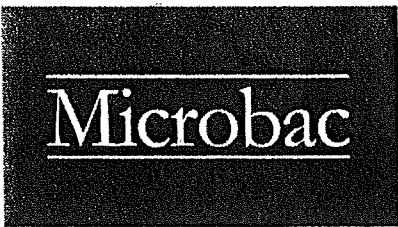
B = Detected in the associated Method Blank at a concentration above the routine RL.
 B1 = BOD dilution water is over specifications . The reported result may be biased high.
 D = Surrogate recoveries are not calculated due to sample dilution.
 E = Estimated value; Value exceeds calibration level of instrument.
 H = Analyte was prepared and/or analyzed outside of the analytical method holding time
 I = Matrix Interference.
 J = Analyte concentration detected between RL and MDL.
 Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
 S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
 RL = Reporting Limit, Adjusted by DF
 MDL = Method Detection Limit, Adjusted by DF
 Qual = Qualifier
 Tech = Technician

As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.



Microbac Laboratories, Inc.

SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 92507
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

QUALITY CONTROL DATA REPORT

URS CORPORATION
 SANTA ANA, CA 92705

0906-00204

Date Reported 06/11/2009
 Date Received 06/10/2009
 Date Sampled 06/10/2009
 Invoice No. 53836
 Customer # 1930
 Customer P.O.

Project: Playa Del Rey Storage Facility

Method # IPA 8015
 QC # 14178 Date Analyzed: 6/10/2009 Technician: JCT

Sample # 001 002 003 004 005 006 007 008 009 010 011 012 013 014

Results

	LCS %REC	LCS %DUP	LCS %RPD
Ethane	99	94	6
Methane	97	100	3
N-Butane	102	103	0
N-Hexane	103	127	22
Pentane	104	112	8
Propane	103	100	3

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25

Method # IPA 8200
 QC # 14192 Date Analyzed: 6/10/2009 Technician: JCT


Sample # 002 003 004 005 006 007 008 009 010 011 012 013 014

No QC recoveries reported.

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
14178	Ethane	<1.26		ppmv	1.26						
	Methane	<10		ppmv	10						
	N-Butane	<0.37		ppmv	0.37						
	N-Hexane	<0.40		ppmv	0.40						
	Pentane	<0.36		ppmv	0.36						
	Propane	<0.43		ppmv	0.43						
14192	Isopropanol (IPA)	<0.50		µg/L	0.50						

RESPECTFULLY SUBMITTED:


 MICROBAC LABORATORIES, INC.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.



Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

Microbac WO#
090600204

Page 1 of 2

www.microbac.com socal@microbac.com

Project No:		Project Name:		Analyses Requested (circle appropriate)		Turn Around	
Playa Del Rey Storage Facility		Playa Del Rey Storage Facility		IC: Br, SO ₄ , PO ₄ , NO ₃ , Cl		<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other	
Phone:		Address: (Report and Billing)		Chem: BOD, TSS, TDS, pH		*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.	
Fax:		2020 E. 1ST ST., STE. 400		Micro: Plate Cnt, Coliform, E.Coli		Special Instructions	
17146677147		SANTA ANA, CA 92705		Preserved			
Lab #	Sample ID	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	
001	Ambient Blank		6/10/2009	9:18	Vapor	Bulb	Metals: Title 22(CAM) or RCRA
002	SG-001-1PV		6/10/2009	9:44	Vapor	Bulb	LUFT Gas or 8015 GRO or C4-C12
003	SG-001-3PV		6/10/2009	10:20	Vapor	Bulb	LUFT Diesel or 8015 DRO or C13-C40
004	SG-001-7PV		6/10/2009	10:52	Vapor	Bulb	VOCs by GCMS: 8260 or 824
005	SG-002		6/10/2009	11:45	Vapor	Bulb	VOCs by GCMS: BTEX, OXYs
006	SG-003		6/10/2009	12:11	Vapor	Bulb	SVOCs: 8270 or 826
007	SG-004		6/10/2009	13:29	Vapor	Bulb	Pest &/or PCBs: 608 or 8081/8082
008	SG-005		6/10/2009	13:48	Vapor	Bulb	IPA only by GCMS
009	SG-006-1PV		6/10/2009	15:00	Vapor	Bulb	
010	SG-006-3PV		6/10/2009	15:20	Vapor	Bulb	
1) Relinquished by: (Sampler's Signature)		Date:	6/10/09	Time:	1645	3) Relinquished by:	Date:
2) Received by:		Date:	6/10/09	Time:	1645	4) Received by:	Date:
<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Paper <input type="radio"/> EMAIL <input type="radio"/> XLS <input type="radio"/> EDD, Type <input type="radio"/> EDF, EPA Site ID	
<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Courier <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex	
<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Paper <input type="radio"/> EMAIL <input type="radio"/> XLS <input type="radio"/> EDD, Type <input type="radio"/> EDF, EPA Site ID	
Laboratory Notes:							

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS
 The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

White Copy - Original (Accompanies Samples)

Yellow Copy - Microbac Files

Pink Copy - Client Copy

Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

Microbac WO# **090600204**

Page **2** of **2**

www.microbac.com socal@microbac.com

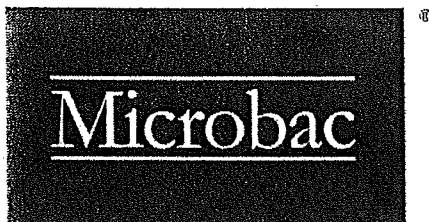


Project No:		Project Name:		Project Manager:		Phone:		Fax:		Turn Around	
		Playa Del Rey Storage Facility		Allen Bloodgett		17146677147				<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other	
Customer Name: (Report and Billing)		Address: (Report and Billing)		Special Instructions		*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.					
URS CORPORATION		2020 E. 1ST ST., STE. 400									
Email:		SANTA ANA, CA 92705		Micro: Plate Cnt, Coliform, E.Coli		Chem: BOD, TSS, TDS, PH		Chem: Cyanide, Ammonia, TRN, Oil & Grease			
Preserved				IC: Br, SO4, PO4, NO3, Cl		Metals: Title 22(CAM) or RCRA		LUF Gas or 8015 GRO or C4-C12			
				LUF Diesel or 8015 DRO or C13-C40		VOCs by GCMS: 8260 or 824		VOCs by GCMS: BTEX, OXYs		SVOCs: 8270 or 625	
				IPB by 8260		Pest. &/or PCBs: 608 or 8081/8082		C1-G6 by 8015			
Lab #	Sample ID	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	Analyses Requested (circle appropriate)	5) Relinquished by:	6) Received for Laboratory by:	Date:	Time:
011	SG-006-7PV		6/10/2009	15:38	Vapor	Bulb					
012	SG-006-9PV		6/10/2009	16:10	Vapor	Bulb					
013	SG-007		6/10/2009	16:29	Vapor	Bulb					
014	SG-007-DUP		6/10/2009	16:29	Vapor	Bulb					
1) Relinquished by: (Sampler's Signature)		Date: 6/10/09		Time: 16:45							
2) Received by:		Date: 6/10/09		Time: 16:45							
3) Relinquished by:		Date:		Time:							
4) Received by:		Date:		Time:							
Samples Chilled		Custody Seals		Samples Intact		Temp C		Delivery			
<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		<input type="radio"/> Yes <input checked="" type="radio"/> No		<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Paper <input type="radio"/> EMAIL <input type="radio"/> XLS <input type="radio"/> EDD, Type _____ <input type="radio"/> EDF, EPA Site ID _____		<input type="radio"/> Courier <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex			
Laboratory Notes:											

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

White Copy - Original (Accompanying Samples) Yellow Copy - Microbac Files Pink Copy - Client Copy

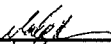


Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CASE NARRATIVE

Authorized Signature Name / Title (print)	Mark Horan, Division Manager
Signature / Date	 Mark Horan, Division Manager 07/31/2009 13:37:37
Laboratory Job No. (Certificate of Analysis No.)	0906-00224
Project Name / No.	Playa Del Rey Storage Facility
Dates Sampled (from/to)	06/11/09 To 06/11/09
Dates Received (from/to)	06/11/09 To 06/11/09
Dates Reported (from/to)	06/12/09 To 07/31/09
Chains of Custody Received	Yes

Comments:

Subcontracting Organic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

Sample	Analyte	Q	Result Units	RL	Sample	Analyte	Q	Result Units	RL
Ambient Blank	Methane		18 ppmv	15	SG-008	Methane		19 ppmv	15
SG-009	Methane	J	14 ppmv	15	SG-010	Methane		16 ppmv	15
SG-011	Methane		17 ppmv	15	SG-012	Methane		21 ppmv	15
SG-014	Methane		16 ppmv	15	SG-015	Methane		23 ppmv	15
SG-016	Methane		19 ppmv	15	SG-013	Methane		24 ppmv	15
SG-017	Ethane	J	1.4 ppmv	3.0	SG-017	Methane		25 ppmv	15
SG-017	Propane	J	0.50 ppmv	1.5	SG-017	Propene	J	0.53 ppmv	1.5
SG-018	Methane		24 ppmv	15	SG-018-DUP	Methane		26 ppmv	15
SG-019	Methane		21 ppmv	15	SG-020	Methane		23 ppmv	15
SG-021	Methane		22 ppmv	15					

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com socal@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00224

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/12/09
 Date Received 06/11/09
 Invoice No. 53871
 Cust # 1930
 Permit Number
 Customer P.O.

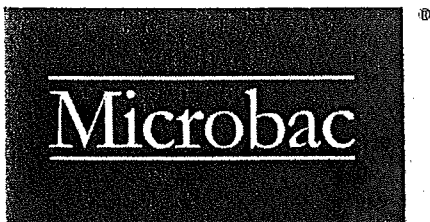
Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 Ambient Blank								Date & Time Sampled: 06/11/09 @ 8:17		
[C1-C6]										
Methane	18		ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
Sample: 002 SG-008								Date & Time Sampled: 06/11/09 @ 9:06		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	19		ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/11/09	7:06	JCT
Sample: 003 SG-009								Date & Time Sampled: 06/11/09 @ 9:33		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	14	J	ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com socal@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00224

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/12/09
 Date Received 06/11/09
 Invoice No. 53871
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SG-009 Date & Time Sampled: 06/11/09 @ 9:33 Purge Volume Sampled: 1continued										
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/11/09	7:06	JCT
Sample: 004 SG-010 Date & Time Sampled: 06/11/09 @ 9:55 Purge Volume Sampled: 1										
[C1-C6]										
Methane	16		ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/11/09	7:06	JCT
Sample: 005 SG-011 Date & Time Sampled: 06/11/09 @ 10:20 Purge Volume Sampled: 1										
[C1-C6]										



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00224

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

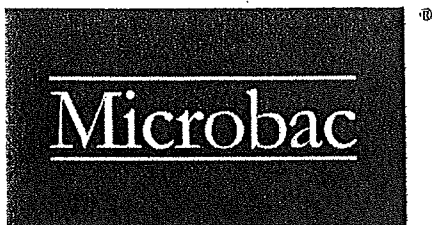
Date Reported 06/12/09
 Date Received 06/11/09
 Invoice No. 53871
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SG-011								Date & Time Sampled: 06/11/09 @ 10:20		
Purge Volume Sampled: 1										
.... continued										
Methane	17		ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/11/09	7:06	JCT
Sample: 006 SG-012								Date & Time Sampled: 06/11/09 @ 11:15		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	21		ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/11/09	7:06	JCT
Sample: 007 SG-014								Date & Time Sampled: 06/11/09 @ 12:35		

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00224

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/12/09
 Date Received 06/11/09
 Invoice No. 53871
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SG-014 Date & Time Sampled: 06/11/09 @ 12:33										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	16		ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/11/09	7:06	JCT

Sample: 008 SG-015 Date & Time Sampled: 06/11/09 @ 12:58										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	23		ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/11/09	7:06	JCT

Sample: 009 SG-016 Date & Time Sampled: 06/11/09 @ 13:22										
--	--	--	--	--	--	--	--	--	--	--

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00224

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/12/09
 Date Received 06/11/09
 Invoice No. 53871
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

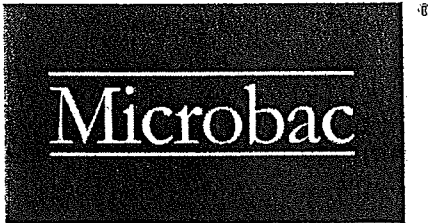
Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 SG-016 Date & Time Sampled: 06/11/09 @ 13:22										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	19		ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/11/09	7:06	JCT

Sample: 010 SG-013 Date & Time Sampled: 06/11/09 @ 13:50										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	24		ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/11/09	7:06	JCT

Sample: 011 SG-017 Date & Time Sampled: 06/11/09 @ 14:22										
--	--	--	--	--	--	--	--	--	--	--

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00224

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/12/09
 Date Received 06/11/09
 Invoice No. 53871
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SG-017										
Date & Time Sampled: 06/11/09 @ 14:22										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	25		ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	1.4	J	ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	0.50	J	ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	0.53	J	ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/11/09	7:06	JCT

Sample: 012 SG-018										
Date & Time Sampled: 06/11/09 @ 14:53										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	24		ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/11/09	7:06	JCT

Sample: 013 SG-018-DUP										
Date & Time Sampled: 06/11/09 @ 14:53										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00224

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

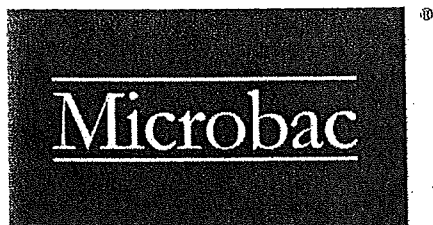
Date Reported 06/12/09
 Date Received 06/11/09
 Invoice No. 53871
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 SG-018-DUP Date & Time Sampled: 06/11/09 @ 14:53										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	26		ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/11/09	7:06	JCT
Sample: 014 SG-019 Date & Time Sampled: 06/11/09 @ 15:42										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	21		ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/11/09	7:06	JCT
Sample: 015 SG-020 Date & Time Sampled: 06/11/09 @ 16:06										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

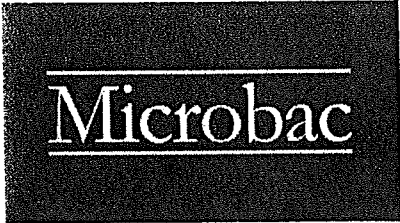
0906-00224

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/12/09
 Date Received 06/11/09
 Invoice No. 53871
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 015 SG-020										
Purge Volume Sampled: 1										
Date & Time Sampled: 06/11/09 @ 16:06										
[C1-C6]										
Methane	23		ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/11/09	7:06	JCT
Sample: 016 SG-021										
Purge Volume Sampled: 1										
Date & Time Sampled: 06/11/09 @ 16:35										
[C1-C6]										
Methane	22		ppmv	EPA 8015B	1	10	15	06/11/09	7:31	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/11/09	7:31	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/11/09	7:31	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/11/09	7:31	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/11/09	7:31	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/11/09	7:31	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/11/09	7:06	JCT



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com socal@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

Respectfully Submitted:

Mark Horan - Division Manager

QUALIFIERS

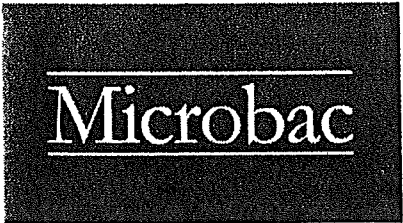
B = Detected in the associated Method Blank at a concentration above the routine RL.
 B1 = BOD dilution water is over specifications . The reported result may be biased high.
 D = Surrogate recoveries are not calculated due to sample dilution.
 E = Estimated value; Value exceeds calibration level of instrument.
 H = Analyte was prepared and/or analyzed outside of the analytical method holding time
 I = Matrix Interference.
 J = Analyte concentration detected between RL and MDL.
 Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
 S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
 RL = Reporting Limit, Adjusted by DF
 MDL = Method Detection Limit, Adjusted by DF
 Qual = Qualifier
 Tech = Technician

As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 92507
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

QUALITY CONTROL DATA REPORT

URS CORPORATION
 SANTA ANA, CA 92705

0906-00224

Date Reported 06/12/2009
 Date Received 06/11/2009
 Date Sampled 06/11/2009
 Invoice No. 53871
 Customer # 1930
 Customer P.O.

Project: Playa Del Rey Storage Facility

Method # EPA 8015B

QC Reference # 14225 Date Analyzed: 6/11/2009 Technician: JCT

Sample # 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016

Results

	LCS %REC	LCS %DUP	LCS %RPD
Ethane	102	106	5
Methane	90	76	18
N-Butane	101	104	3
N-Hexane	115	120	5
Pentane	107	111	3
Propane	101	103	3

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25

Method # EPA 8260B

QC Reference # 14226 Date Analyzed: 6/11/2009 Technician: JCT

Sample # 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016

No QC recoveries reported.

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
14225	Ethane	<1.26		ppmv	1.26						
	Methane	<10		ppmv	10						
	N-Butane	<0.37		ppmv	0.37						
	N-Hexane	<0.40		ppmv	0.40						
	Pentane	<0.36		ppmv	0.36						
	Propane	<0.43		ppmv	0.43						
14226	Isopropanol (IPA)	<0.50		µg/L	0.50						

RESPECTFULLY SUBMITTED:

[Signature]
 MICROBAC LABORATORIES, INC.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.

Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record
 www.microbac.com socal@microbac.com

Microbac WO#
090600224

Page 1 of 2



Project No:		Project Name: Playa Del Rey Storage Facility		Turn Around <input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other																					
Project Manager: Allen Blodgett		Phone: 17146677147		Special Instructions *PRIOR approval, additional fee, work received after 4 pm will be processed next work day.																					
Customer Name: (Report and Billing) URS CORPORATION		Address: (Report and Billing) 2020 E. 1ST ST., STE. 400		Special Instructions																					
Email:		SANTA ANA, CA 92705		Special Instructions																					
Lab # (Lab use only)	Sample ID (As it should appear on report)	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	Preserved	Micro: Plate Cnt, Coliform, E.Coli	Chem: BOD, TSS, TDS, PH	Chem: Cyanide, Ammonia, TKN, Oil & Grease	IC: Br, SO4, PO4, NO3, Cl	Metals: Title 22(CAM) or RCRA	LUFT Gas or 8015 GRO or CA-C12	LUFT Diesel or 8015 DRO or C13-C40	VOCs by GCMS: 8260 or 824	VOCs by GCMS: BTEX, OXYs	SVOCs: 8270 or 825	Pest. &/or PCBs: 608 or 8081/8082	IPA by 8260	C1 - C6 by 8015					
001	Ambient Blank		6/11/2009	8:17	Vapor	Bulb													X						
002	SG-008		6/11/2009	9:06	Vapor	Bulb													X						
003	SG-009		6/11/2009	9:33	Vapor	Bulb													X						
004	SG-010		6/11/2009	9:55	Vapor	Bulb													X						
005	SG-011		6/11/2009	10:20	Vapor	Bulb													X						
006	SG-012		6/11/2009	11:15	Vapor	Bulb													X						
007	SG-014		6/11/2009	12:33	Vapor	Bulb													X						
008	SG-015		6/11/2009	12:58	Vapor	Bulb													X						
009	SG-016		6/11/2009	13:22	Vapor	Bulb													X						
010	SG-013		6/11/2009	13:50	Vapor	Bulb													X						
1) Relinquished by (Sampler's Signature) <i>[Signature]</i>		Date: 6/11/09		Time: 1645		3) Relinquished by:		Date:		Time:		5) Relinquished by:		Date:		Time:		6) Received for Laboratory by:		Date:		Time:		Disposal <input type="radio"/> Return <input type="radio"/> Lab Disposal	
2) Received by: <i>[Signature]</i>		Date: 6/11/09		Time: 1645		4) Received by:		Date:		Time:		6) Received for Laboratory by:		Date:		Time:		Report Delivery Formats <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type _____ <input type="checkbox"/> EDF, EPA Site ID _____		Unless other arrangements are made samples will be disposed of 60 days after receipt.					
Samples Crilled <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field.		Custody Seals <input type="radio"/> Yes <input checked="" type="radio"/> No		Samples Intact <input checked="" type="radio"/> Yes <input type="radio"/> No		Delivery <input type="radio"/> Courier <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex		Laboratory Notes:																	

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS
 The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.
 Pink Copy - Client Copy
 Yellow Copy - Microbac Files

Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617



Microbac WO#
090600224

Chain of Custody Record

Page **2** of **2**

www.microbac.com social@microbac.com

Project No:		Project Name:		Playa Del Rey Storage Facility		Turn Around	
Project Manager:		Phone:		17146677147		<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other	
Customer Name: (Report and Billing)		Address: (Report and Billing)		2020 E. 1ST ST., STE. 400		*PRIOR approval, additional fee, work received after 4 pm will be processed next work day. Special Instructions	
URS CORPORATION		SANTA ANA, CA 92705		Preserved Micro: Plate Cnt., Coliform, E.Coli Chem: BOD, TSS, TDS, pH Chem: Cyanide, Ammonia, TKN, Oil & Grease IC: Br, SO4, PO4, NO3, Cl Metals: Title 22(CAM) or RCRA LUFT Gas or 8015 GRO or C4-C12 LUFT Diesel or 8015 DRO or C13-C40 VOCs by GCMS: 8260 or 824 VOCs by GCMS: BTEX, OXYs SVOCs: 8270 or 825 Pest. &/or PCBs: 608 or 8081/8082 IPA by 8260 C1 - C6 by 8015			
Lab # <small>(Lab Use Only)</small>	Sample ID <small>(As it should appear on report)</small>	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	Analyses Requested (circle appropriate)
011	SG-017		6/11/2009	14:22	Vapor	Bulb	X X X X X X X X
012	SG-018		6/11/2009	14:53	Vapor	Bulb	X X X X X X X X
013	SG-018-DUP		6/11/2009	14:53	Vapor	Bulb	X X X X X X X X
014	SG-019		6/11/2009	15:42	Vapor	Bulb	X X X X X X X X
015	SG-020		6/11/2009	16:06	Vapor	Bulb	X X X X X X X X
016	SG-021		6/11/2009	16:35	Vapor	Bulb	X X X X X X X X

Relinquished by: *[Signature]* Date: 6/11/09 Time: 1645

Received by: *[Signature]* Date: 6/11/09 Time: 1645

Temp C: Walk In Courier UPS/Fed Ex

Relinquished by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

Temp C: Walk In Courier UPS/Fed Ex

Samples Chilled: Yes No From Field

Custody Seals: Yes No Samples Intact Yes No

Report Delivery Formats: Paper EMAIL XLS

EDD, Type _____

EDF, EPA Site ID _____

Disposal: Return Lab Disposal

Unless other arrangements are made samples will be disposed of 60 days after receipt.

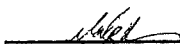


Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CASE NARRATIVE

Authorized Signature Name / Title (print)	Mark Horan, Division Manager
Signature / Date	 Mark Horan, Division Manager 07/31/2009 13:40:24
Laboratory Job No. (Certificate of Analysis No.)	0906-00249
Project Name / No.	Playa Del Rey Storage Facility
Dates Sampled (from/to)	06/12/09 To 06/12/09
Dates Received (from/to)	06/12/09 To 06/12/09
Dates Reported (from/to)	06/15/09 To 07/31/09
Chains of Custody Received	Yes

Comments:

Subcontracting

Organic Analyses

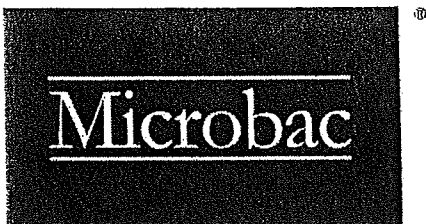
No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

Sample	Analyte	Q	Result Units	RL	Sample	Analyte	Q	Result Units	RL
Ambient Blank	Methane		27 ppmv	15	SG-022	Methane		28 ppmv	15
SG-023	Methane		24 ppmv	15	SG-024	Methane		24 ppmv	15
SG-025	Methane		26 ppmv	15	SG-026	Ethane	J	1.3 ppmv	3.0
SG-026	Methane		33 ppmv	15	SG-027	Methane		26 ppmv	15
SG-027-DUP	Methane		25 ppmv	15	SG-028	Methane		28 ppmv	15
SG-029	Methane		20 ppmv	15	SG-030	Methane		18 ppmv	15
SG-031	Methane		19 ppmv	15	SG-032	Methane		20 ppmv	15
SG-033	Methane		20 ppmv	15	SG-034	Methane		18 ppmv	15
SG-035	Methane		21 ppmv	15					



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00249

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/15/09
 Date Received 06/12/09
 Invoice No. 53905
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tecl
Sample: 001 Ambient Blank								Date & Time Sampled: 06/12/09 @ 8:20		
[C1-C6]										
Methane	27		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
Sample: 002 SG-022								Date & Time Sampled: 06/12/09 @ 9:12		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	28		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/12/09	7:04	JCT
Sample: 003 SG-023								Date & Time Sampled: 06/12/09 @ 9:53		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	24		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00249

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/15/09
 Date Received 06/12/09
 Invoice No. 53905
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SG-023 Date & Time Sampled: 06/12/09 @ 9:53 Purge Volume Sampled: 1continued										
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/12/09	7:04	JCT
Sample: 004 SG-024 Date & Time Sampled: 06/12/09 @ 10:26 Purge Volume Sampled: 1										
[C1-C6]										
Methane	24		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/12/09	7:04	JCT
Sample: 005 SG-025 Date & Time Sampled: 06/12/09 @ 10:56 Purge Volume Sampled: 1										
[C1-C6]										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00249

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/15/09
 Date Received 06/12/09
 Invoice No. 53905
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SG-025 Date & Time Sampled: 06/12/09 @ 10:56										
Purge Volume Sampled: 1										
.....continued										
Methane	26		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/12/09	7:04	JCT
Sample: 006 SG-026 Date & Time Sampled: 06/12/09 @ 11:34										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	33		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	1.3	J	ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/12/09	7:04	JCT
Sample: 007 SG-027 Date & Time Sampled: 06/12/09 @ 12:17										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00249

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/15/09
 Date Received 06/12/09
 Invoice No. 53905
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SG-027								Date & Time Sampled: 06/12/09 @ 12:17		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	26		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/12/09	7:04	JCT

Sample: 008 SG-027-DUP								Date & Time Sampled: 06/12/09 @ 12:17		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	25		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/12/09	7:04	JCT

Sample: 009 SG-028								Date & Time Sampled: 06/12/09 @ 13:13		
---------------------------	--	--	--	--	--	--	--	---------------------------------------	--	--

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00249

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/15/09
 Date Received 06/12/09
 Invoice No. 53905
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tec
Sample: 009 SG-028										
Date & Time Sampled: 06/12/09 @ 13:13										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	28		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/12/09	7:04	JCT
Sample: 010 SG-029										
Date & Time Sampled: 06/12/09 @ 13:41										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	20		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/12/09	7:04	JCT
Sample: 011 SG-030										
Date & Time Sampled: 06/12/09 @ 14:05										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00249

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/15/09
 Date Received 06/12/09
 Invoice No. 53905
 Cust # 1930
 Permit Number
 Customer P.O.

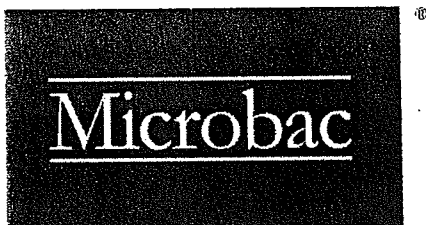
Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SG-030					Date & Time Sampled: 06/12/09 @ 14:05					
Purge Volume Sampled: 1										
[C1-C6]										
Methane	18		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/12/09	7:04	JCT
Sample: 012 SG-031					Date & Time Sampled: 06/12/09 @ 14:38					
Purge Volume Sampled: 1										
[C1-C6]										
Methane	19		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/12/09	7:04	JCT
Sample: 013 SG-032					Date & Time Sampled: 06/12/09 @ 15:08					

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00249

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/15/09
 Date Received 06/12/09
 Invoice No. 53905
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 SG-032 Date & Time Sampled: 06/12/09 @ 15:08										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	20		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/12/09	7:04	JCT
Sample: 014 SG-033 Date & Time Sampled: 06/12/09 @ 15:31										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	20		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/12/09	7:04	JCT
Sample: 015 SG-034 Date & Time Sampled: 06/12/09 @ 15:54										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00249

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

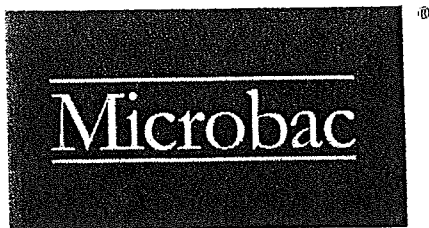
Date Reported 06/15/09
 Date Received 06/12/09
 Invoice No. 53905
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 015 SG-034					Date & Time Sampled: 06/12/09 @ 15:54					
Purge Volume Sampled: 1										
[C1-C6]										
Methane	18		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/12/09	7:04	JCT
Sample: 016 SG-035					Date & Time Sampled: 06/12/09 @ 16:19					
Purge Volume Sampled: 1										
[C1-C6]										
Methane	21		ppmv	EPA 8015B	1	10	15	06/12/09	7:41	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/12/09	7:41	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/12/09	7:41	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/12/09	7:41	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/12/09	7:41	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/12/09	7:41	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<1.0		µg/L	EPA 8260B	1	0.50	1.0	06/12/09	7:04	JCT

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

Respectfully Submitted:


 Mark Horan - Division Manager

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
 B1 = BOD dilution water is over specifications. The reported result may be biased high.
 D = Surrogate recoveries are not calculated due to sample dilution.
 E = Estimated value; Value exceeds calibration level of instrument.
 H = Analyte was prepared and/or analyzed outside of the analytical method holding time
 I = Matrix Interference.
 J = Analyte concentration detected between RL and MDL.
 Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
 S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
 RL = Reporting Limit, Adjusted by DF
 MDL = Method Detection Limit, Adjusted by DF
 Qual = Qualifier
 Tech = Technician

As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.

Microbac

Microbac Laboratories, Inc.

SOUTHERN CALIFORNIA DIVISION
1401 RESEARCH PARK DRIVE, SUITE 100
RIVERSIDE CA, 92507
951-779-0310 FAX 951-779-0344
www.microbac.com social@microbac.com

Page 1 of 1

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

QUALITY CONTROL DATA REPORT

URS CORPORATION
SANTA ANA, CA 92705

0906-00249

Date Reported 06/15/2009
Date Received 06/12/2009
Date Sampled 06/12/2009
Invoice No. 53905
Customer # 1930
Customer P.O.

Project: Playa Del Rey Storage Facility

Method # EPA 8015B
QC Reference # 14263 Date Analyzed: 6/12/2009 Technician: JCT
Sample # 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016

Results

	LCS %REC	LCS %DUP	LCS %RPD
Ethane	105	98	7
Methane	109	98	11
N-Butane	101	96	5
N-Hexane	121	117	4
Pentane	109	104	4
Propane	100	95	4

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25

Method # EPA 8260B
QC Reference # 14266 Date Analyzed: 6/12/2009 Technician: JCT
Sample # 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016

No QC recoveries reported.

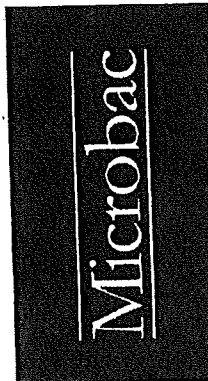
Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
14263	Ethane	<1.26		ppmv	1.26						
	Methane	<10		ppmv	10						
	N-Butane	<0.37		ppmv	0.37						
	N-Hexane	<0.40		ppmv	0.40						
	Pentane	<0.36		ppmv	0.36						
	Propane	<0.43		ppmv	0.43						
14266	Isopropanol (IPA)	<0.50		µg/L	0.50						

RESPECTFULLY SUBMITTED:


MICROBAC LABORATORIES, INC.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.



Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

Microbac WO#
090600249

Page 1 of 2

www.microbac.com socal@microbac.com

Project No:		Project Name:		Analyses Requested (circle appropriate)		Turn Around	
Project Manager: Allen Blodgett		Playa Del Rey Storage Facility		Micro: Plate Cnt, Coliform, E.Coli		<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other	
Customer Name: (Report and Billing) URS CORPORATION		Address: (Report and Billing) 2020 E. 1ST ST., STE. 400 SANTA ANA, CA 92705		Chem: BOD, TSS, TDS, PH		*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.	
Phone:		Fax: 17146677147		Chem: Cyanide, Ammonia, TKN, Oil & Grease		Special Instructions	
Email:				Micro: Plate Cnt, Coliform, E.Coli			
				Preserved			
				IC: Br, SO4, PO4, NO3, Cl			
				Metals: Title 22(CAM) or RCRA			
				LUFF Gas or 8015 GRO or C4-C12			
				LUFF Diesel or 8015 DRO or C13-C40			
				VOCs by GCMS: 8260 or 624			
				VOCs by GCMS: BTEX, OXYs			
				SVOCs: 8270 or 625			
				Past. &/or PCBs: 608 or 8081/8082			
				IPA by 8260			
				C1 - C6 by 8015			

Lab # (Lab use only)	Sample ID (As it should appear on report)	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	Relinquished by:	Time:	Date:	Relinquished by:	Time:	Date:	Disposal
001	Ambient Blank		6/12/2009	8:20	Vapor	Bulb							
002	SG-022		6/12/2009	9:12	Vapor	Bulb							
003	SG-023		6/12/2009	9:53	Vapor	Bulb							
004	SG-024		6/12/2009	10:26	Vapor	Bulb							
005	SG-025		6/12/2009	10:56	Vapor	Bulb							
006	SG-026		6/12/2009	11:34	Vapor	Bulb							
007	SG-027		6/12/2009	12:17	Vapor	Bulb							
008	SG-027-DUP		6/12/2009	12:17	Vapor	Bulb							
009	SG-028		6/12/2009	13:13	Vapor	Bulb							
010	SG-029		6/12/2009	13:41	Vapor	Bulb							

1) Relinquished by: (Supplier's Signature) *[Signature]* Date: 6/12/09 Time: 1630

2) Received by: *[Signature]* Date: 6/12/09 Time: 1630

3) Relinquished by: _____ Time: _____ Date: _____

4) Received by: _____ Time: _____ Date: _____

5) Relinquished by: _____ Time: _____ Date: _____

6) Received for Laboratory by: _____ Time: _____ Date: _____

Report Delivery Formats:
 Paper EMAIL XLS
 EDD, Type _____
 EDF, EPA Site ID _____

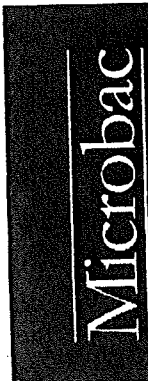
Delivery:
 Courier Walk In
 UPS/Fed Ex

Samples Chilled: Yes No
 Custody Seals: Yes No
 From Field: Yes No

Temp C: _____

Samples Intact: Yes No

Laboratory Notes:



Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

www.microbac.com social@microbac.com

Microbac WO#
090600249

Page 2 of 2

Project No:		Project Name: Playa Del Rey Storage Facility		Analyses Requested (circle appropriate)										Turn Around					
Project Manager: Allen Blodgett		Phone: 17146677147 Fax: 17146677147		Address: (Report and Billing) 2020 E. 1ST ST., STE. 400 SANTA ANA, CA 92705		IC: Br, SO ₄ , PO ₄ , NO ₃ , Cl	Metals: Title 22(CAM) or RCRA	LUFT Gas or 8015 GRO or C4-C12	LUFT Diesel or 8015 DRO or C13-C40	VOCs by GCMS: 8260 or 624	VOCs by GCMS: BTEX, OXYs	SVOCs: 8270 or 625	Pest. &/or PCBs: 608 or 8081/8082	IPA by 8260	C1 - C6 by 8015	<input type="radio"/> 24hr RUSH*	<input type="radio"/> 48hr RUSH*	<input type="radio"/> Normal	<input type="radio"/> Other
Customer Name: URS CORPORATION		Container # & Type		Chem: BOD, TSS, TDS, pH	Chem: Cyanide, Ammonia, TKN, Oil & Grease	Micro: Plate Cnt, Coliform, E.Coli	Preserved	Special Instructions	*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.										
Lab # (Lab use only)	Sample ID (As it should appear on report)	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	IC: Br, SO ₄ , PO ₄ , NO ₃ , Cl	Metals: Title 22(CAM) or RCRA	LUFT Gas or 8015 GRO or C4-C12	LUFT Diesel or 8015 DRO or C13-C40	VOCs by GCMS: 8260 or 624	VOCs by GCMS: BTEX, OXYs	SVOCs: 8270 or 625	Pest. &/or PCBs: 608 or 8081/8082	IPA by 8260	C1 - C6 by 8015			
011	SG-030		6/12/2009	14:05	Vapor	Bulb									X	X			
012	SG-031		6/12/2009	14:38	Vapor	Bulb									X	X			
013	SG-032		6/12/2009	15:08	Vapor	Bulb									X	X			
014	SG-033		6/12/2009	15:31	Vapor	Bulb									X	X			
015	SG-034		6/12/2009	15:54	Vapor	Bulb									X	X			
016	SG-035		6/12/2009	16:19	Vapor	Bulb									X	X			
1) Relinquished by: <i>[Signature]</i>		Date: 6/12/09		Time: 1630		3) Relinquished by:		Date:		Time:		5) Relinquished by:		Date:		Time:		Disposal:	
2) Received by: <i>[Signature]</i>		Date: 6/12/09		Time: 1630		4) Received by:		Date:		Time:		6) Received for Laboratory by:		Date:		Time:		Return <input type="radio"/> Lab Disposal	
Samples Chilled <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		Custody Seals <input type="radio"/> Yes <input type="radio"/> No		Samples Intact <input type="radio"/> Yes <input checked="" type="radio"/> No		Delivery <input type="radio"/> Courier <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex		Report Delivery Formats <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type <input type="checkbox"/> EDF, EPA Site ID		Unless other arrangements are made samples will be disposed of 60 days after receipt.									
Laboratory Notes:																			



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122


CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CASE NARRATIVE

Authorized Signature Name / Title (print)

Mark Horan, Division Manager

Signature / Date

 Mark Horan, Division Manager
07/31/2009 14:22:15

Laboratory Job No. (Certificate of Analysis No.)

0906-00270

Project Name / No.

Playa Del Rey Storage Facility

Dates Sampled (from/to)

06/15/09 To 06/15/09

Dates Received (from/to)

06/15/09 To 06/15/09

Dates Reported (from/to)

06/16/09 To 07/31/09

Chains of Custody Received

Yes

Comments:

Subcontracting Organic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

Sample	Analyte	Q	Result Units	RL	Sample	Analyte	Q	Result Units	RL
Ambient Blank	Methane		33 ppmv	15	Ambient Blank	TPH (C6+)	J	0.91 ppmv	1.5
SG-036	Methane		28 ppmv	15	SG-037	Ethane	J	1.3 ppmv	3.0
SG-037	Methane		31 ppmv	15	SG-038	Methane		26 ppmv	15
SG-039	Methane		20 ppmv	15	SG-040	Ethane	J	1.7 ppmv	3.0
SG-040	Methane		37 ppmv	15	SG-041	Ethane	J	1.3 ppmv	3.0
SG-041	Methane		30 ppmv	15	SG-042	Methane		22 ppmv	15
SG-042-DUP	Methane		24 ppmv	15	SG-043	Ethane	J	1.6 ppmv	3.0
SG-043	Methane		30 ppmv	15	SG-044	Ethane	J	1.4 ppmv	3.0
SG-044	Methane		30 ppmv	15	SG-045	Methane		23 ppmv	15
SG-046	Methane		17 ppmv	15	SG-047	Methane		24 ppmv	15
SG-048	Methane		24 ppmv	15	SG-048-DUP	Methane		22 ppmv	15



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00270

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/16/09
 Date Received 06/15/09
 Invoice No. 53923
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 Ambient Blank								Date & Time Sampled: 06/15/09 @ 8:38		
[C1-C6]										
Methane	33		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	0.91	J	ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT

Sample: 002 SG-036								Date & Time Sampled: 06/15/09 @ 9:27		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	28		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/15/09	6:53	JCT

Sample: 003 SG-037								Date & Time Sampled: 06/15/09 @ 9:55		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	31		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	1.3	J	ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00270

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/16/09
 Date Received 06/15/09
 Invoice No. 53923
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SG-037 Date & Time Sampled: 06/15/09 @ 9:55										
Purge Volume Sampled: 1										
.....continued										
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/15/09	6:53	JCT
Sample: 004 SG-038 Date & Time Sampled: 06/15/09 @ 10:24										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	26		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/15/09	6:53	JCT
Sample: 005 SG-039 Date & Time Sampled: 06/15/09 @ 10:55										
Purge Volume Sampled: 1										
[C1-C6]										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com socal@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00270

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/16/09
 Date Received 06/15/09
 Invoice No. 53923
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SG-039								Date & Time Sampled: 06/15/09 @ 10:55		
Purge Volume Sampled: 1										
.....continued										
Methane	20		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/15/09	6:53	JCT
Sample: 006 SG-040								Date & Time Sampled: 06/15/09 @ 11:27		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	37		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	1.7	J	ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/15/09	6:53	JCT
Sample: 007 SG-041								Date & Time Sampled: 06/15/09 @ 11:51		

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00270

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/16/09
 Date Received 06/15/09
 Invoice No. 53923
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SG-041 Date & Time Sampled: 06/15/09 @ 11:58										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	30		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	1.3	J	ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/15/09	6:53	JCT

Sample: 008 SG-042 Date & Time Sampled: 06/15/09 @ 12:25										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	22		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/15/09	6:53	JCT

Sample: 009 SG-042-DUP Date & Time Sampled: 06/15/09 @ 12:25

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00270

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/16/09
 Date Received 06/15/09
 Invoice No. 53923
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 SG-042-DUP Date & Time Sampled: 06/15/09 @ 12:25										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	24		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/15/09	6:53	JCT
Sample: 010 SG-043 Date & Time Sampled: 06/15/09 @ 13:50										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	30		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	1.6	J	ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/15/09	6:53	JCT
Sample: 011 SG-044 Date & Time Sampled: 06/15/09 @ 14:11										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00270

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/16/09
 Date Received 06/15/09
 Invoice No. 53923
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SG-044 Date & Time Sampled: 06/15/09 @ 14:15										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	30		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	1.4	J	ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/15/09	6:53	JCT

Sample: 012 SG-045 Date & Time Sampled: 06/15/09 @ 14:40										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	23		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/15/09	6:53	JCT

Sample: 013 SG-046 Date & Time Sampled: 06/15/09 @ 15:04

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00270

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/16/09
 Date Received 06/15/09
 Invoice No. 53923
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 SG-046 Date & Time Sampled: 06/15/09 @ 15:04 Purge Volume Sampled: 1										
[C1-C6]										
Methane	17		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/15/09	6:53	JCT
Sample: 014 SG-047 Date & Time Sampled: 06/15/09 @ 15:33 Purge Volume Sampled: 1										
[C1-C6]										
Methane	24		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/15/09	6:53	JCT
Sample: 015 SG-048 Date & Time Sampled: 06/15/09 @ 16:00										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

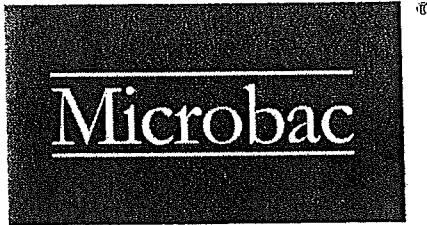
0906-00270

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/16/09
 Date Received 06/15/09
 Invoice No. 53923
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 015 SG-048 Date & Time Sampled: 06/15/09 @ 16:04										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	24		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/15/09	6:53	JCT
Sample: 016 SG-048-DUP Date & Time Sampled: 06/15/09 @ 16:04										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	22		ppmv	EPA 8015B	1	10	15	06/15/09	7:13	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/15/09	7:13	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/15/09	7:13	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/15/09	7:13	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/15/09	7:13	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/15/09	7:13	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/15/09	6:53	JCT



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

Respectfully Submitted:

Mark Horan - Division Manager

QUALIFIERS

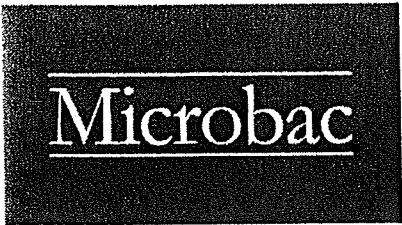
B = Detected in the associated Method Blank at a concentration above the routine RL.
 B1 = BOD dilution water is over specifications . The reported result may be biased high.
 D = Surrogate recoveries are not calculated due to sample dilution.
 E = Estimated value; Value exceeds calibration level of instrument.
 H = Analyte was prepared and/or analyzed outside of the analytical method holding time
 I = Matrix Interference.
 J = Analyte concentration detected between RL and MDL.
 Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
 S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
 RL = Reporting Limit, Adjusted by DF
 MDL = Method Detection Limit, Adjusted by DF
 Qual = Qualifier
 Tech = Technician

As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 92507
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

QUALITY CONTROL DATA REPORT

URS CORPORATION
 SANTA ANA, CA 92705

0906-00270

Date Reported 06/16/2009
 Date Received 06/15/2009
 Date Sampled 06/15/2009
 Invoice No. 53923
 Customer # 1930
 Customer P.O.

Project: Playa Del Rey Storage Facility

Method # EPA 80153

QC Reference # 14296 Date Analyzed: 6/15/2009 Technician: JCT

Sample # 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016

Results

	LCS %REC	LCS %DUP	LCS %RPD
Ethane	108	88	20
Methane	94	94	0
N-Butane	105	86	20
N-Hexane	120	104	14
Pentane	111	93	17
Propane	105	86	20

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25

Method # EPA 8200B

QC Reference # 14298 Date Analyzed: 6/15/2009 Technician: JCT

Sample # 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016

No QC recoveries reported.

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
14296	Ethane	<1.26		ppmv	1.26						
	Methane	<10		ppmv	10						
	N-Butane	<0.37		ppmv	0.37						
	N-Hexane	<0.40		ppmv	0.40						
	Pentane	<0.36		ppmv	0.36						
	Propane	<0.43		ppmv	0.43						
14298	Isopropanol (IPA)	<0.50		µg/L	0.50						

RESPECTFULLY SUBMITTED: 
 MICROBAC LABORATORIES, INC.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.



Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0910 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

Microbac WO#

090600270

www.microbac.com socal@microbac.com

Page 1 of 2

Project No:		Project Name:		Analyses Requested (circle appropriate)		Turn Around	
Project Manager:		Playa Del Rey Storage Facility		Preserved		<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other	
Phone:		Fax:		Chem: BOD, TSS, TDS, pH		*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.	
Allen Blodgett		17146677147		Chem: Cyanide, Ammonia, TKN, Oil & Grease		Special Instructions	
Customer Name: (Report and Billing)		Address: (Report and Billing)		IC: B, SO4, PO4, NO3, Cl			
URS CORPORATION		2020 E. 1ST ST., STE. 400		Metals: Title 22(CAM) or RCRA			
Email:		SANTA ANA, CA 92705		LUFT Gas or 8015 GRO or C4-C12			
Lab # <small>(Lab use only)</small>	Sample ID <small>(As it should appear on report)</small>	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	
001	Ambient Blank		6/15/2009	8:38	Vapor	Bulb	X
002	SG-036		6/15/2009	9:27	Vapor	Bulb	X
003	SG-037		6/15/2009	9:55	Vapor	Bulb	X
004	SG-038		6/15/2009	10:24	Vapor	Bulb	X
005	SG-039		6/15/2009	10:55	Vapor	Bulb	X
006	SG-040		6/15/2009	11:27	Vapor	Bulb	X
007	SG-041		6/15/2009	11:58	Vapor	Bulb	X
008	SG-042		6/15/2009	12:25	Vapor	Bulb	X
009	SG-042-DUP		6/15/2009	12:25	Vapor	Bulb	X
010	SG-043		6/15/2009	13:50	Vapor	Bulb	X
1) Relinquished by: (Sampler's Signature)		Date: 6/15/09		Time: 1615		5) Relinquished by:	
2) Received by: (Lab's Signature)		Date: 6/15/09		Time: 1615		6) Received for Laboratory by:	
Samples Chilled <input type="radio"/> Yes <input type="radio"/> No		Custody Seals <input type="radio"/> Yes <input checked="" type="radio"/> No		Samples Intact <input checked="" type="radio"/> Yes <input type="radio"/> No		Report Delivery Formats <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS	
From Field <input checked="" type="radio"/>		Delivery <input type="radio"/> Courier <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex		Temp C		EDF, EPA Site ID	
Laboratory Notes:							

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS
 The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.
 Pink Copy - Client Copy
 Yellow Copy - Microbac Files
 White Copy - Original (Accompanies Samples)

Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

Microbac WO#

090600270

www.microbac.com social@microbac.com

Page 2 of 2

Project No:		Project Name: Playa Del Rey Storage Facility		Turn Around <input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other	
Project Manager: Allen Blodgett		Phone: 17146677147		Special Instructions *PRIOR approval, additional fee, work received after 4 pm will be processed next work day.	
Customer Name: (Report and Billing) URS CORPORATION		Address: (Report and Billing) 2020 E. 1ST ST., STE. 400		Special Instructions	
Sample ID (As it should appear on report)		Date sampled	Time sampled	Sample matrix	Container # & Type
011 SG-044		6/15/2009	14:15	Vapor	Bulb
012 SG-045		6/15/2009	14:40	Vapor	Bulb
013 SG-046		6/15/2009	15:04	Vapor	Bulb
014 SG-047		6/15/2009	15:33	Vapor	Bulb
015 SG-048		6/15/2009	16:04	Vapor	Bulb
016 SG-048-DUP		6/15/2009	16:04	Vapor	Bulb

1) Requisitioned by: (Sampler's Signature) <i>[Signature]</i> Date: <u>6/15/09</u> Time: <u>1615</u>		3) Requisitioned by: _____ Date: _____ Time: _____	
2) Received by: <i>[Signature]</i> Date: <u>6/15/09</u> Time: <u>1615</u>		4) Received by: _____ Date: _____ Time: _____	

Samples Chilled: <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		Custody Seals: <input type="radio"/> Yes <input checked="" type="radio"/> No		Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	
Delivery: <input type="radio"/> Courier <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex		Report Delivery Formats: <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS		Unless other arrangements are made samples will be disposed of 60 days after receipt.	

Disposal: <input type="radio"/> Return <input type="radio"/> Lab Disposal

Micro: Plate Cnt, Coliform, E.Coli
 Chem: BOD, TSS, TDS, pH
 Chem: Cyanide, Ammonia, TKN, Oil & Grease
 IC: Br, SO4, PO4, NO3, Cl
 Metals: Title 22(CAM) or RCRA
 LUFT Gas or 8015 GRO or C4-C12
 LUFT Diesel or 8015 DRO or C13-C10
 VOCs by GCMS: 8260 or 624
 VOCs by GCMS: BTEX, OX's
 SVOCs: 8270 or 625
 Pest. &/or PCBs: 608 or 8081/8082
 IPA by 8260
 C1 - C6 by 8015

Preserved




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CASE NARRATIVE

Authorized Signature Name / Title (print)	Mark Horan, Division Manager
Signature / Date	 Mark Horan, Division Manager 07/31/2009 14:21:24
Laboratory Job No. (Certificate of Analysis No.)	0906-00283
Project Name / No.	Playa Del Rey Storage Facility
Dates Sampled (from/to)	06/16/09 To 06/16/09
Dates Received (from/to)	06/16/09 To 06/16/09
Dates Reported (from/to)	06/17/09 To 07/31/09
Chains of Custody Received	Yes

Comments:

Subcontracting Organic Analyses

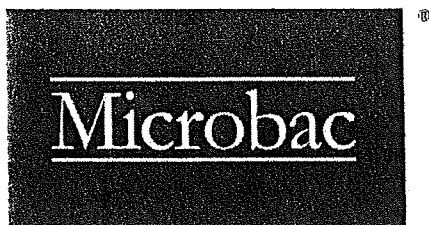
No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

Sample	Analyte	Q	Result Units	RL	Sample	Analyte	Q	Result Units	RL
Ambient Blank	Ethane	J	1.5 ppmv	3.0	Ambient Blank	Methane		31 ppmv	15
SG-049	Ethane	J	1.4 ppmv	3.0	SG-049	Methane		33 ppmv	15
SG-050	Methane		24 ppmv	15	SG-051	Ethane	J	1.4 ppmv	3.0
SG-051	Methane		29 ppmv	15	SG-052	Ethane	J	1.4 ppmv	3.0
SG-052	Methane		28 ppmv	15	SG-052	Propane	J	0.45 ppmv	1.5
SG-052	TPH (C6+)	J	0.44 ppmv	1.5	SG-053	Ethane	J	1.3 ppmv	3.0
SG-053	Methane		29 ppmv	15	SG-054	Methane		21 ppmv	15
SG-055	Methane		25 ppmv	15	SG-055-DUP	Methane		28 ppmv	15
SG-056	Methane		20 ppmv	15	SG-057	Methane		26 ppmv	15
SG-058	Methane		22 ppmv	15	SG-059	Methane		23 ppmv	15
SG-060	Methane		25 ppmv	15	SG-061	Methane		17 ppmv	15
SG-062	Methane		25 ppmv	15					



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00283

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/17/09
 Date Received 06/16/09
 Invoice No. 53946
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 Ambient Blank								Date & Time Sampled: 06/16/09 @ 8:06		
[C1-C6]										
Methane	31		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	1.5	J	ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT

Sample: 002 SG-049								Date & Time Sampled: 06/16/09 @ 9:07		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	33		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	1.4	J	ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/16/09	6:48	JCT

Sample: 003 SG-050								Date & Time Sampled: 06/16/09 @ 9:35		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	24		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00283

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported: 06/17/09
 Date Received: 06/16/09
 Invoice No. 53946
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SG-050 Date & Time Sampled: 06/16/09 @ 9:35										
Purge Volume Sampled: 1										
.....continued										
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/16/09	6:48	JCT
Sample: 004 SG-051 Date & Time Sampled: 06/16/09 @ 10:16										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	29		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	1.4	J	ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/16/09	6:48	JCT
Sample: 005 SG-052 Date & Time Sampled: 06/16/09 @ 10:43										
Purge Volume Sampled: 1										
[C1-C6]										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00283

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/17/09
 Date Received 06/16/09
 Invoice No. 53946
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SG-052 Date & Time Sampled: 06/16/09 @ 10:43										
Purge Volume Sampled: 1										
..... continued										
Methane	28		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	1.4	J	ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	0.45	J	ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	0.44	J	ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/16/09	6:48	JCT
Sample: 006 SG-053 Date & Time Sampled: 06/16/09 @ 11:16										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	29		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	1.3	J	ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/16/09	6:48	JCT
Sample: 007 SG-054 Date & Time Sampled: 06/16/09 @ 11:44										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00283

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/17/09
 Date Received 06/16/09
 Invoice No. 53946
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SG-054								Date & Time Sampled: 06/16/09 @ 11:44		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	21		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/16/09	6:48	JCT
Sample: 008 SG-055								Date & Time Sampled: 06/16/09 @ 12:10		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	25		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/16/09	6:48	JCT
Sample: 009 SG-055-DUP								Date & Time Sampled: 06/16/09 @ 12:10		

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00283

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/17/09
 Date Received 06/16/09
 Invoice No. 53946
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 SG-055-DUP								Date & Time Sampled: 06/16/09 @ 12:10		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	28		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/16/09	6:48	JCT
Sample: 010 SG-056								Date & Time Sampled: 06/16/09 @ 13:33		
Purge Volume Sampled: 1										
[C1-C6]										
Methane	20		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/16/09	6:48	JCT
Sample: 011 SG-057								Date & Time Sampled: 06/16/09 @ 14:02		

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00283

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

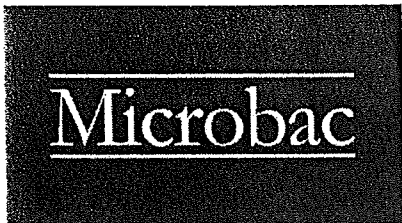
Date Reported 06/17/09
 Date Received 06/16/09
 Invoice No. 53946
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SG-057 Date & Time Sampled: 06/16/09 @ 14:02										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	26		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/16/09	6:48	JCT
Sample: 012 SG-058 Date & Time Sampled: 06/16/09 @ 14:27										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	22		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/16/09	6:48	JCT
Sample: 013 SG-059 Date & Time Sampled: 06/16/09 @ 14:56										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00283

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/17/09
 Date Received 06/16/09
 Invoice No. 53946
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
----------	--------	------	-------	--------	----	-----	----	------	------	------

Sample: 013 SG-059 Date & Time Sampled: 06/16/09 @ 14:56
 Purge Volume Sampled: 1

[C1-C6]										
Methane	23		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/16/09	6:48	JCT

Sample: 014 SG-060 Date & Time Sampled: 06/16/09 @ 15:23
 Purge Volume Sampled: 1

[C1-C6]										
Methane	25		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/16/09	6:48	JCT

Sample: 015 SG-061 Date & Time Sampled: 06/16/09 @ 15:49

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research





Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

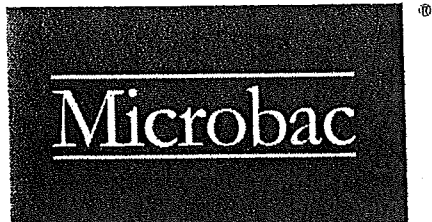
0906-00283

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/17/09
 Date Received 06/16/09
 Invoice No. 53946
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 015 SG-061										
Purge Volume Sampled: 1										
Date & Time Sampled: 06/16/09 @ 15:49										
[C1-C6]										
Methane	17		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/16/09	6:48	JCT
Sample: 016 SG-062										
Purge Volume Sampled: 1										
Date & Time Sampled: 06/16/09 @ 16:18										
[C1-C6]										
Methane	25		ppmv	EPA 8015B	1	10	15	06/16/09	7:32	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/16/09	7:32	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/16/09	7:32	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/16/09	7:32	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/16/09	7:32	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/16/09	7:32	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/16/09	6:48	JCT



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#'s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

Respectfully Submitted:


 Mark Horan - Division Manager

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
 B1 = BOD dilution water is over specifications . The reported result may be biased high.
 D = Surrogate recoveries are not calculated due to sample dilution.
 E = Estimated value; Value exceeds calibration level of instrument.
 H = Analyte was prepared and/or analyzed outside of the analytical method holding time
 I = Matrix Interference.
 J = Analyte concentration detected between RL and MDL.
 Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
 S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
 RL = Reporting Limit, Adjusted by DF
 MDL = Method Detection Limit, Adjusted by DF
 Qual = Qualifier
 Tech = Technician

As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.


Microbac Laboratories, Inc.

SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 92507
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

QUALITY CONTROL DATA REPORT

URS CORPORATION
 SANTA ANA, CA 92705

0906-00283

Date Reported 06/17/2009
 Date Received 06/16/2009
 Date Sampled 06/16/2009
 Invoice No. 53946
 Customer # 1930
 Customer P.O.

Project: Playa Del Rey Storage Facility

Method # EPA 8015B
 QC Reference # 14322 Date Analyzed: 6/16/2009 Technician: JCT
 Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016

Results

	LCS %REC	LCS %DUP	LCS %RPD
Ethane	90	103	14
Methane	90	89	1
N-Butane	85	99	15
N-Hexane	106	114	8
Pentane	93	105	12
Propane	85	99	15

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25

Method # EPA 8260E
 QC Reference # 14323 Date Analyzed: 6/16/2009 Technician: JCT
 Samples 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016
 No QC recoveries reported.

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
14322	Ethane	<1.26		ppmv	1.26						
	Methane	<10		ppmv	10						
	N-Butane	<0.37		ppmv	0.37						
	N-Hexane	<0.40		ppmv	0.40						
	Pentane	<0.36		ppmv	0.36						
	Propane	<0.43		ppmv	0.43						
14323	Isopropanol (IPA)	<0.50		µg/L	0.50						

RESPECTFULLY SUBMITTED:


 MICROBAC LABORATORIES, INC.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.

Microbac

Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

Microbac WC#

090600283

Page 1 of 2

www.microbac.com socal@microbac.com

Project No:		Project Name:		Turn Around																			
Allen Blodgett		Playa Del Rey Storage Facility		<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other																			
Phone: 17146677147		Fax: 17146677147		*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.																			
Customer Name: (Report and Billing)		Address: (Report and Billing)		Special Instructions																			
URS CORPORATION		2020 E. 1ST ST., STE. 400																					
Email:		SANTA ANA, CA 92705																					
Lab # <small>(Lab use only)</small>	Sample ID <small>(As it should appear on report)</small>	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	Preserved	Micro: Plate Cnt, Coliform, E.Coli	Chem: BOD, TSS, TDS, PH	Chem: Cyanide, Ammonia, TKN, Oil & Grease	IC: Br, SO4, PO4, NO3, Cl	Metals: Title 22(CAM) or RCRA	LUFF Gas or 8015 GRO or C4-C12	LUFF Diesel or 8015 DRO or C13-C40	VOCs by GCMS: 8260 or 824	VOCs by GCMS: BTEX, OXYs	SVOCs: 8270 or 825	Pest. &/or PCBs: 608 or 8081/8082	IPA by 8260	C1 - C6 by 8015			
001	Ambient Blank		6/16/2009	8:06	Vapor	Bulb																	
002	SG-049		6/16/2009	9:07	Vapor	Bulb																	
003	SG-050		6/16/2009	9:35	Vapor	Bulb																	
004	SG-051		6/16/2009	10:16	Vapor	Bulb																	
005	SG-052		6/16/2009	10:43	Vapor	Bulb																	
006	SG-053		6/16/2009	11:16	Vapor	Bulb																	
007	SG-054		6/16/2009	11:44	Vapor	Bulb																	
008	SG-055		6/16/2009	12:10	Vapor	Bulb																	
009	SG-055-DUP		6/16/2009	12:10	Vapor	Bulb																	
010	SG-056		6/16/2009	13:33	Vapor	Bulb																	
1) Relinquished by: (Sampler's Signature)		Date: 6/16/09		Time: 1630		3) Relinquished by:		Date:		Time:		5) Relinquished by:		Date:		Time:		6) Received for Laboratory by:		Date:		Time:	
2) Received by: (Lab use only)		Date: 6/16/09		Time: 1630		4) Received by:		Date:		Time:		6) Received for Laboratory by:		Date:		Time:		Report Delivery Formats		<input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type _____ <input type="checkbox"/> EDF, EPA Site ID _____			
Samples Chilled		<input type="radio"/> Yes <input checked="" type="radio"/> No		Custody Seals		<input type="radio"/> Yes <input checked="" type="radio"/> No		Samples Intact		<input checked="" type="radio"/> Yes <input type="radio"/> No		Temp C		<input type="checkbox"/> Courier <input type="checkbox"/> Walk In <input type="checkbox"/> UPS/Fed Ex									
Laboratory Notes:																							

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

Yellow Copy - Microbac Files

Pink Copy - Client Copy

White Copy - Original (Accompanies Samples)

Microbac

Southern California Division
1401 Research Park Drive, Suite 100
Riverside, CA 92507
V: 951.779.0310 • 800.798.9336 F: 951.779.0344
3299 Hill Street, Suite 305
Signal Hill, CA 90755
V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

www.microbac.com socal@microbac.com

Microbac WO#
090600283

Page **2** of **2**

Project No:		Project Name: Playa Del Rey Storage Facility																		
Project Manager: Allen Blodgett		Phone: 17146677147																		
Customer Name: (Report and Billing) URS CORPORATION		Address: (Report and Billing) 2020 E. 1ST ST., STE. 400 SANTA ANA, CA 92705																		
Email:		Preserved																		
Lab # (Lab use only)	Sample ID (As it should appear on report)	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	Micro: Plate Cnt, Coliform, E.Coli	Chem: BOD, TSS, TDS, PH	Chem: Cyanide, Ammonia, TKN, Oil & Grease	Metals: Tl,2(Cd), Ni, Cr, Pb, Cu, Zn, NO ₃ , Cl	LFT Gas or 8015 GRO or C4-C12	LFT Diesel or 8015 DRO or C13-C40	VOCs by GCMS: 8260 or 824	VOCs by GCMS: BTEX, OXYS	SVOCS: 8270 or 825	Pest &/or PCBs: 608 or 8081/8082	IQA by 8260	C1 - C6 by 8015	Special Instructions	Turn Around
011	SG-057		6/16/2009	14:02	Vapor	Bulb														<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other
012	SG-058		6/16/2009	14:27	Vapor	Bulb														*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.
013	SG-059		6/16/2009	14:56	Vapor	Bulb														
014	SG-060		6/16/2009	15:23	Vapor	Bulb														
015	SG-061		6/16/2009	15:49	Vapor	Bulb														
016	SG-062		6/16/2009	16:18	Vapor	Bulb														
1) Requisitioned by: (Sampler's Signature) <i>[Signature]</i>		Date:	6/16/09	16:30	3) Requisitioned by:		Date:	5) Requisitioned by:		Date:	6) Received for Laboratory by:		Date:	Disposal: <input type="radio"/> Return <input type="radio"/> Lab Disposal						
2) Received by: (Client's Signature) <i>[Signature]</i>		Date:	6/16/09	16:30	4) Received by:		Date:	6) Received for Laboratory by:		Date:	7) Received for Laboratory by:		Date:	Unless other arrangements are made samples will be disposed of 60 days after receipt.						
Samples Chilled <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		Custody Seals <input type="radio"/> Yes <input type="radio"/> No		Samples Intact <input checked="" type="radio"/> Yes <input type="radio"/> No		Delivery <input type="radio"/> Courier <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex		Report Delivery Formats <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type <input type="checkbox"/> EDF, EPA Site ID												
Laboratory Notes:																				

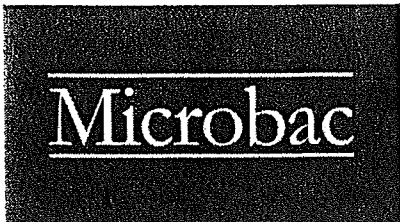
CHEMISTRY - MICROBIOLOGY - FOOD SAFETY - CONSUMER PRODUCTS - MOBILE LABORATORIES - PHARMACEUTICALS - NUTRACEUTICALS - COSMETICS

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analysis specified above under the Terms and Conditions set forth on the back hereof.

White Copy - Original (Accompanies Samples)

Yellow Copy - Microbac Files

Pink Copy - Client Copy

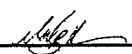


Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 92500
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CASE NARRATIVE

Authorized Signature Name / Title (print)	Mark Horan, Division Manager
Signature / Date	 Mark Horan, Division Manager 07/31/2009 14:25:13
Laboratory Job No. (Certificate of Analysis No.)	0906-00311
Project Name / No.	Playa Del Rey Storage Facility
Dates Sampled (from/to)	06/17/09 To 06/17/09
Dates Received (from/to)	06/17/09 To 06/17/09
Dates Reported (from/to)	06/18/09 To 07/31/09
Chains of Custody Received	Yes

Comments:

Subcontracting
Organic Analyses
 No analyses sub-contracted

Sample Condition(s)
 All samples intact

Positive Results (Organic Compounds)											
Sample	Analyte	Q	Result	Units	RL	Sample	Analyte	Q	Result	Units	RL
Ambient Blank	Methane		23	ppmv	15	SG-063	Methane		23	ppmv	15
SG-064-1PV	Isobutane		1.8	ppmv	1.5	SG-064-1PV	Methane		350000	ppmv	15
SG-064-1PV	N-Butane	J	0.83	ppmv	1.5	SG-064-1PV	Propane		9.0	ppmv	1.5
SG-064-3PV	Isobutane		2.0	ppmv	1.5	SG-064-3PV	Methane		590000	ppmv	15
SG-064-3PV	N-Butane	J	0.87	ppmv	1.5	SG-064-3PV	Propane		9.9	ppmv	1.5
SG-064-7PV	Isobutane		2.0	ppmv	1.5	SG-064-7PV	Methane		550000	ppmv	15
SG-064-7PV	N-Butane	J	0.89	ppmv	1.5	SG-064-7PV	Propane		9.7	ppmv	1.5
SG-064A-1PV	Isobutane	J	0.51	ppmv	1.5	SG-064A-1PV	Methane		190000	ppmv	15
SG-064A-1PV	Pentane	J	0.39	ppmv	1.5	SG-064A-1PV	Propane		2.4	ppmv	1.5
SG-064A-3PV	Isobutane		1.5	ppmv	1.5	SG-064A-3PV	Methane		270000	ppmv	15
SG-064A-3PV	N-Butane	J	0.67	ppmv	1.5	SG-064A-3PV	Pentane	J	1.1	ppmv	1.5
SG-064A-3PV	Propane		6.9	ppmv	1.5	SG-064A-7PV	Isobutane	J	1.4	ppmv	1.5
SG-064A-7PV	Methane		240000	ppmv	15	SG-064A-7PV	N-Butane	J	0.64	ppmv	1.5
SG-064A-7PV	Propane		6.5	ppmv	1.5						





Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00311

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/18/09
 Date Received 06/17/09
 Invoice No. 53984
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 Ambient Blank Date & Time Sampled: 06/17/09 @ 8:23										
[C1-C6]										
Methane	23		ppmv	EPA 8015B	1	10	15	06/17/09	7:33	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/17/09	7:33	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
Sample: 002 SG-063 Date & Time Sampled: 06/17/09 @ 9:04										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	23		ppmv	EPA 8015B	1	10	15	06/17/09	7:33	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/17/09	7:33	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/17/09	7:43	JCT
Sample: 003 SG-064-1PV Date & Time Sampled: 06/17/09 @ 10:28										
Purge Volume Sampled: 1										
[C1-C6]										
Methane	350000		ppmv	EPA 8015B	1	10	15	06/17/09	7:33	JCT
Ethane	<3.0	I	ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00311

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/18/09
 Date Received 06/17/09
 Invoice No. 53984
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SG-064-1PV Date & Time Sampled: 06/17/09 @ 10:28 Purge Volume Sampled: 1continued										
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT
Propane	9.0		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Isobutane	1.8		ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
N-Butane	0.83	J	ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/17/09	7:33	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/17/09	7:43	JCT
Sample: 004 SG-064-3PV Date & Time Sampled: 06/17/09 @ 11:30 Purge Volume Sampled: 3										
[C1-C6]										
Methane	590000		ppmv	EPA 8015B	1	10	15	06/17/09	7:33	JCT
Ethane	<3.0	I	ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT
Propane	9.9		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Isobutane	2.0		ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
N-Butane	0.87	J	ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/17/09	7:33	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/17/09	7:43	JCT
Sample: 005 SG-064-7PV Date & Time Sampled: 06/17/09 @ 12:15 Purge Volume Sampled: 7										
[C1-C6]										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing · Food Sanitation Consulting · Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00311

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/18/09
 Date Received 06/17/09
 Invoice No. 53984
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SG-064-7PV Date & Time Sampled: 06/17/09 @ 12:15 Purge Volume Sampled: 7continued										
Methane	550000		ppmv	EPA 8015B	1	10	15	06/17/09	7:33	JCT
Ethane	<3.0	I	ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT
Propane	9.7		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Isobutane	2.0		ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
N-Butane	0.89	J	ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/17/09	7:33	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/17/09	7:43	JCT
Sample: 006 SG-064A-1PV Date & Time Sampled: 06/17/09 @ 15:16 Purge Volume Sampled: 1										
[C1-C6]										
Methane	190000		ppmv	EPA 8015B	1	10	15	06/17/09	7:33	JCT
Ethane	<3.0	I	ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT
Propane	2.4		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Isobutane	0.51	J	ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
Pentane	0.39	J	ppmv	EPA 8015B	1	0.36	1.5	06/17/09	7:33	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/17/09	7:43	JCT
Sample: 007 SG-064A-3PV Date & Time Sampled: 06/17/09 @ 16:03										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 92500
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00311

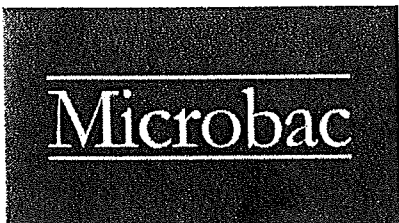
URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/18/09
 Date Received 06/17/09
 Invoice No. 53984
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SG-064A-3PV					Date & Time Sampled: 06/17/09 @ 16:03					
Purge Volume Sampled: 3										
[C1-C6]										
Methane	270000		ppmv	EPA 8015B	1	10	15	06/17/09	7:33	JCT
Ethane	<3.0	I	ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT
Propane	6.9		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Isobutane	1.5		ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
N-Butane	0.67	J	ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
Pentane	1.1	J	ppmv	EPA 8015B	1	0.36	1.5	06/17/09	7:33	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/17/09	7:43	JCT

Sample: 008 SG-064A-7PV					Date & Time Sampled: 06/17/09 @ 16:32					
Purge Volume Sampled: 7										
[C1-C6]										
Methane	240000		ppmv	EPA 8015B	1	10	15	06/17/09	7:33	JCT
Ethane	<3.0	I	ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/17/09	7:33	JCT
Propane	6.5		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/17/09	7:33	JCT
Isobutane	1.4	J	ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
N-Butane	0.64	J	ppmv	EPA 8015B	1	0.37	1.5	06/17/09	7:33	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/17/09	7:33	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/17/09	7:33	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/17/09	7:43	JCT



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
BLAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

Respectfully Submitted:

Mark Horan - Division Manager

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
 B1 = BOD dilution water is over specifications . The reported result may be biased high.
 D = Surrogate recoveries are not calculated due to sample dilution.
 E = Estimated value; Value exceeds calibration level of instrument.
 H = Analyte was prepared and/or analyzed outside of the analytical method holding time
 I = Matrix Interference.
 J = Analyte concentration detected between RL and MDL.
 Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
 S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
 RL = Reporting Limit, Adjusted by DF
 MDL = Method Detection Limit, Adjusted by DF
 Qual = Qualifier
 Tech = Technician

As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.

Microbac

Microbac Laboratories, Inc.

SOUTHERN CALIFORNIA DIVISION
1401 RESEARCH PARK DRIVE, SUITE 100
RIVERSIDE CA, 92507
951-779-0310 FAX 951-779-0344
www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

QUALITY CONTROL DATA REPORT

URS CORPORATION
SANTA ANA, CA 92705

0906-00311

Date Reported 06/18/2009
Date Received 06/17/2009
Date Sampled 06/17/2009
Invoice No. 53984
Customer # 1930
Customer P.O.

Project: Playa Del Rey Storage Facility

Method # EPA 8215B

QC Reference # 14367 Date Analyzed: 6/17/2009 Technician: JCT

Sample # 001 002 003 004 005 006 007 008

Results

	LCS %REC	LCS %DUP	LCS %RPD
Ethane	96	98	2
Methane	93	101	8
N-Butane	96	96	1
N-Hexane	117	111	5
Pentane	103	102	1
Propane	94	96	2

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25

Method # EPA 8210B

QC Reference # 14368 Date Analyzed: 6/17/2009 Technician: JCT

Sample # 002 003 004 005 006 007 008

No QC recoveries reported.

Method blank results

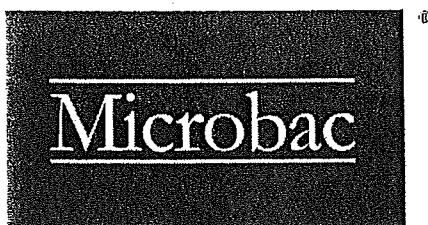
Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
14367	Ethane	<1.26		ppmv	1.26						
	Methane	<10		ppmv	10						
	N-Butane	<0.37		ppmv	0.37						
	N-Hexane	<0.40		ppmv	0.40						
	Pentane	<0.36		ppmv	0.36						
	Propane	<0.43		ppmv	0.43						
14368	Isopropanol (IPA)	<0.50		µg/L	0.50						

RESPECTFULLY SUBMITTED:


MICROBAC LABORATORIES, INC.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.

Project No:		Project Name:		Turn Around													
Allen Bloodgett		Playa Del Rey Storage Facility		<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other													
Customer Name: URS CORPORATION		Address: (Report and Billing) 2020 E. 1ST ST., STE. 400 SANTA ANA, CA 92705		*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.													
Email:		Phone: 17146677147		Special Instructions													
Lab #	Sample ID	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	IC: Br, SO4, PO4, NO3, Cl	Metals: Title 22(CAM) or RCRA	LUFT Gas or 8015 GRO or C4-C12	LUFT Diesel or 8015 DRO or C13-C40	VOCs by GCMS: 8260 or 824	VOCs by GCMS: BTEX, OXYs	SVOCs: 8270 or 825	Pest. &/or PCBs: 608 or 8081/8082	IP A by 8260	C1 - C6 by 8015	
001	Ambient Blank		6/17/2009	8:23	Vapor	Bulb											
002	SG-063		6/17/2009	9:04	Vapor	Bulb											
003	SG-064-1PV		6/17/2009	10:28	Vapor	Bulb											
004	SG-064-3PV		6/17/2009	11:30	Vapor	Bulb											
005	SG-064-7PV		6/17/2009	12:15	Vapor	Bulb											
006	SG-064A-1PV		6/17/2009	15:16	Vapor	Bulb											
007	SG-064A-3PV		6/17/2009	16:03	Vapor	Bulb											
008	SG-064A-7PV		6/17/2009	16:32	Vapor	Bulb											
1) Relinquished by: (Sampler's Signature)		Date:	6/17/09	Time:	16:50	3) Relinquished by:		Date:		Time:		5) Relinquished by:		Date:	Time:	Disposal	
2) Received by:		Date:	6/17/09	Time:	16:50	4) Received by:		Date:		Time:		6) Received for Laboratory by:		Date:	Time:	<input type="radio"/> Return <input type="radio"/> Lab Disposal Unless other arrangements are made samples will be disposed of 60 days after receipt.	
Samples Chilled		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		Custody Seals		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Samples Intact		Delivery		<input type="radio"/> Courier <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex		Report Delivery Formats		<input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type _____ <input type="checkbox"/> EDF, EPA Site ID _____			
Laboratory Notes:																	

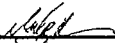


Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CASE NARRATIVE

Authorized Signature Name / Title (print)	Mark Horan, Division Manager
Signature / Date	 Mark Horan, Division Manager 07/31/2009 15:00:33
Laboratory Job No. (Certificate of Analysis No.)	0906-00344
Project Name / No.	Playa Del Rey Storage Facility
Dates Sampled (from/to)	06/18/09 To 06/18/09
Dates Received (from/to)	06/18/09 To 06/18/09
Dates Reported (from/to)	06/19/09 To 07/31/09
Chains of Custody Received	Yes

Comments:

Subcontracting Organic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

Sample	Analyte	Q	Result Units	RL	Sample	Analyte	Q	Result Units	RL
Ambient Blank	Methane		28 ppmv	15	SG-065	Isobutane	J	0.41 ppmv	1.5
SG-065	Methane		54000 ppmv	15	SG-065	Propane		1.6 ppmv	1.5
SG-066	Methane	J	12 ppmv	15	SG-067	Methane	J	13 ppmv	15
SG-068	Methane	J	14 ppmv	15	SG-069	Methane		15 ppmv	15
SG-070	Methane		18 ppmv	15	SG-071	Methane	J	13 ppmv	15
SG-072	Methane	J	12 ppmv	15	SG-073	Methane		15 ppmv	15
SG-074	Methane		15 ppmv	15	SG-075	Methane		17 ppmv	15
SG-076	Methane		16 ppmv	15	SG-076-DUP	Methane		17 ppmv	15



Microbac Laboratories, Inc.
SOUTHERN CALIFORNIA DIVISION
1401 RESEARCH PARK DRIVE, SUITE 100
RIVERSIDE CA, 92500
951-779-0310 FAX 951-779-0344
www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00344

URS CORPORATION
2020 E. 1ST ST., STE. 400
SANTA ANA, CA 92705

Date Reported 06/19/09
Date Received 06/18/09
Invoice No. 53991
Cust # 1930
Permit Number
Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 Ambient Blank								Date & Time Sampled: 06/18/09 @ 8:15		
[C1-C6]										
Methane	28		ppmv	EPA 8015B	1	10	15	06/18/09	7:22	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/18/09	7:22	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
Sample: 002 SG-065								Date & Time Sampled: 06/18/09 @ 9:52		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	54000		ppmv	EPA 8015B	1	10	15	06/18/09	7:22	JCT
Ethane	<3.0	I	ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Propane	1.6		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Isobutane	0.41	J	ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/18/09	7:22	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/18/09	6:58	JCT
Sample: 003 SG-066								Date & Time Sampled: 06/18/09 @ 10:41		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	12	J	ppmv	EPA 8015B	1	10	15	06/18/09	7:22	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com socal@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00344

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/19/09
 Date Received 06/18/09
 Invoice No. 53991
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SG-066								Date & Time Sampled: 06/18/09 @ 10:41		
Purge Volume Sampled: 3										
.....continued										
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/18/09	7:22	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/18/09	6:58	JCT
Sample: 004 SG-067								Date & Time Sampled: 06/18/09 @ 11:03		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	13	J	ppmv	EPA 8015B	1	10	15	06/18/09	7:22	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/18/09	7:22	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/18/09	6:58	JCT
Sample: 005 SG-068								Date & Time Sampled: 06/18/09 @ 11:35		
Purge Volume Sampled: 3										
[C1-C6]										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00344

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/19/09
 Date Received 06/18/09
 Invoice No. 53991
 Cust # 1930
 Permit Number
 Customer P.O.

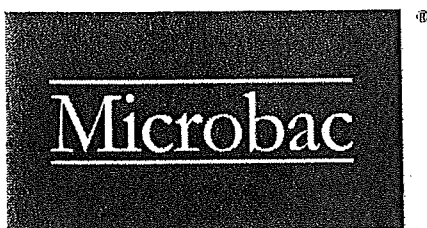
Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SG-068 Date & Time Sampled: 06/18/09 @ 11:35 Purge Volume Sampled: 3continued										
Methane	14	J	ppmv	EPA 8015B	1	10	15	06/18/09	7:22	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/18/09	7:22	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/18/09	6:58	JCT
Sample: 006 SG-069 Date & Time Sampled: 06/18/09 @ 11:58 Purge Volume Sampled: 3										
[C1-C6]										
Methane	15		ppmv	EPA 8015B	1	10	15	06/18/09	7:22	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/18/09	7:22	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/18/09	6:58	JCT
Sample: 007 SG-070 Date & Time Sampled: 06/18/09 @ 12:56										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00344

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/19/09
 Date Received 06/18/09
 Invoice No. 53991
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SG-070								Date & Time Sampled: 06/18/09 @ 12:56		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	18		ppmv	EPA 8015B	1	10	15	06/18/09	7:22	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/18/09	7:22	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/18/09	6:58	JCT
Sample: 008 SG-071								Date & Time Sampled: 06/18/09 @ 13:23		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	13	J	ppmv	EPA 8015B	1	10	15	06/18/09	7:22	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/18/09	7:22	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/18/09	6:58	JCT
Sample: 009 SG-072								Date & Time Sampled: 06/18/09 @ 13:51		

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00344

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/19/09
 Date Received 06/18/09
 Invoice No. 53991
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Technician
Sample: 009 SG-072 Date & Time Sampled: 06/18/09 @ 13:51										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	12	J	ppmv	EPA 8015B	1	10	15	06/18/09	7:22	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/18/09	7:22	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/18/09	6:58	JCT

Sample: 010 SG-073 Date & Time Sampled: 06/18/09 @ 14:24										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	15		ppmv	EPA 8015B	1	10	15	06/18/09	7:22	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/18/09	7:22	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/18/09	6:58	JCT

Sample: 011 SG-074 Date & Time Sampled: 06/18/09 @ 14:51

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00344

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/19/09
 Date Received 06/18/09
 Invoice No. 53991
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SG-074 Date & Time Sampled: 06/18/09 @ 14:54										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	15		ppmv	EPA 8015B	1	10	15	06/18/09	7:22	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/18/09	7:22	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/18/09	6:58	JCT
Sample: 012 SG-075 Date & Time Sampled: 06/18/09 @ 15:26										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	17		ppmv	EPA 8015B	1	10	15	06/18/09	7:22	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/18/09	7:22	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/18/09	6:58	JCT
Sample: 013 SG-076 Date & Time Sampled: 06/18/09 @ 16:00										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00344

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/19/09
 Date Received 06/18/09
 Invoice No. 53991
 Cust # 1930
 Permit Number
 Customer P.O.

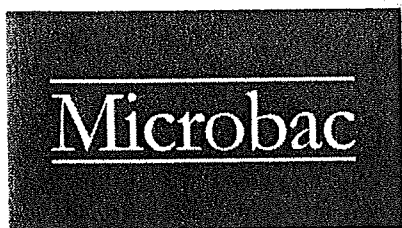
Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 SG-076								Date & Time Sampled: 06/18/09 @ 16:00		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	16		ppmv	EPA 8015B	1	10	15	06/18/09	7:22	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/18/09	7:22	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/18/09	6:58	JCT
Sample: 014 SG-076-DUP								Date & Time Sampled: 06/18/09 @ 16:00		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	17		ppmv	EPA 8015B	1	10	15	06/18/09	7:22	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/18/09	7:22	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/18/09	7:22	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/18/09	7:22	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/18/09	7:22	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/18/09	7:22	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/18/09	6:58	JCT

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

Respectfully Submitted:


 Mark Horan - Division Manager

QUALIFIERS

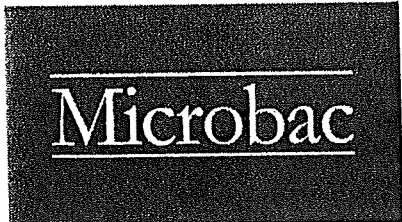
B = Detected in the associated Method Blank at a concentration above the routine RL.
 B1 = BOD dilution water is over specifications . The reported result may be biased high.
 D = Surrogate recoveries are not calculated due to sample dilution.
 E = Estimated value; Value exceeds calibration level of instrument.
 H = Analyte was prepared and/or analyzed outside of the analytical method holding time
 I = Matrix Interference.
 J = Analyte concentration detected between RL and MDL.
 Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
 S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
 RL = Reporting Limit, Adjusted by DF
 MDL = Method Detection Limit, Adjusted by DF
 Qual = Qualifier
 Tech = Technician

As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 92507
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

QUALITY CONTROL DATA REPORT

URS CORPORATION
 SANTA ANA, CA 92705

0906-00344

Date Reported 06/19/2009
 Date Received 06/18/2009
 Date Sampled 06/18/2009
 Invoice No. 53991
 Customer # 1930
 Customer P.O.

Project: Playa Del Rey Storage Facility

Method # EPA 8215B
 QC Reference # 14419 Date Analyzed: 6/18/2009 Technician: JCT
 Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014

Results

	LCS %REC	LCS %DUP	LCS %RPD
Ethane	90	106	16
Methane	97	99	1
N-Butane	91	106	15
N-Hexane	106	127	19
Pentane	97	114	16
Propane	90	104	15

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25

Method # EPA 8215B
 QC Reference # 14420 Date Analyzed: 6/18/2009 Technician: JCT
 Samples 002 003 004 005 006 007 008 009 010 011 012 013 014

No QC recoveries reported.

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
14419	Ethane	<1.26		ppmv	1.26						
	Methane	<10		ppmv	10						
	N-Butane	<0.37		ppmv	0.37						
	N-Hexane	<0.40		ppmv	0.40						
	Pentane	<0.36		ppmv	0.36						
	Propane	<0.43		ppmv	0.43						
14420	Isopropanol (IPA)	<0.50		µg/L	0.50						

RESPECTFULLY SUBMITTED:

[Signature]
 MICROBAC LABORATORIES, INC.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.

Microbac

Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

Microbac WO#

090600344

www.microbac.com

social@microbac.com

Page 1 of 2

Project No:		Project Name:		Analyses Requested (circle appropriate)		Turn Around	
Project Manager:		Playa Del Rey Storage Facility		Preserved		<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other	
Allen Blodgett		Phone: 17146677147		Faxed		*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.	
Customer Name: (Report and Billing)		Address: (Report and Billing)		IC: Br, SO4, PO4, NO3, Cl		Special Instructions	
URS CORPORATION		2020 E. 1ST ST., STE. 400		Chem: BOD, TSS, TDS, pH			
Email:		SANTA ANA, CA 92705		Micro: Plate Cnt, Coliform, E.Coli			
Lab # (Lab use only)	Sample ID (As it should appear on report)	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	
001	Ambient Blank		6/18/2009	8:15	Vapor	Bulb	Metals: Title 22(CAM) or RCRA
002	SG-065		6/18/2009	9:52	Vapor	Bulb	LFT Gas or 8015 GRO or C4-C12
003	SG-066		6/18/2009	10:41	Vapor	Bulb	LFT Diesel or 8015 DRO or C13-C40
004	SG-067		6/18/2009	11:03	Vapor	Bulb	VOCs by GCMS: 8260 or 824
005	SG-068		6/18/2009	11:35	Vapor	Bulb	VOCs by GCMS: BTEX, OXYs
006	SG-069		6/18/2009	11:58	Vapor	Bulb	SVOCs: 8270 or 825
007	SG-070		6/18/2009	12:56	Vapor	Bulb	Pest. &/or PCBs: 608 or 8081/8082
008	SG-071		6/18/2009	13:23	Vapor	Bulb	IPa by 8260
009	SG-072		6/18/2009	13:51	Vapor	Bulb	C1 - C6 by 8015
010	SG-073		6/18/2009	14:24	Vapor	Bulb	
1) Relinquished by: (Sampler's Signature)		Date:	6/18/09	Time:	1611	5) Relinquished by:	
2) Received by: (Lab use only)		Date:	6/19/09	Time:	1611	6) Received for Laboratory by:	
Samples Chilled <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		Samples Intact <input checked="" type="radio"/> Yes <input type="radio"/> No		Delivery <input type="radio"/> Counter <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex		Report Delivery Formats <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type <input type="checkbox"/> EDF, EPA Site ID	
Disposal <input type="radio"/> Return <input type="radio"/> Lab Disposal Unless other arrangements are made samples will be disposed of 60 days after receipt.							

Laboratory Notes:

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

White Copy - Original (Accompanies Samples)

Yellow Copy - Microbac Files

Pink Copy - Client Copy



Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

Microbac WO#

090600344

www.microbac.com socal@microbac.com

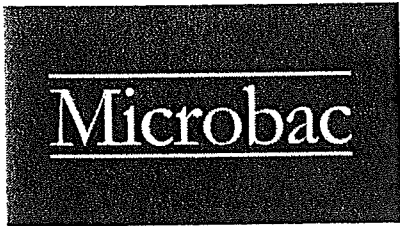
Page 2 of 2

Project No:		Project Name:		Analyses Requested (circle appropriate)		Turn Around	
Project Manager:		Playa Del Rey Storage Facility		Micro: Plate Cnt, Coliform, E.Coli		<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other	
Phone:		Fax:		Chem: BOD, TSS, TDS, PH		*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.	
Customer Name:		Address:		Chem: Cyanide, Ammonia, TKN, Oil & Grease		Special Instructions	
URS CORPORATION		2020 E. 1ST ST., STE. 400		IC: Br, SO4, PO4, NO3, Cl			
Email:		SANTA ANA, CA 92705		Metals: Title 22(CAM) or RCRA			
Lab #	Sample ID	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	Preserved
(Lab use only)	(As it should appear on report)						
011	SG-074		6/18/2009	14:54	Vapor	Bulb	
012	SG-075		6/18/2009	15:26	Vapor	Bulb	
013	SG-076		6/18/2009	16:00	Vapor	Bulb	
014	SG-076-DUP		6/18/2009	16:00	Vapor	Bulb	
1) Relinquished by: Sampler's Signature		Date:	Time:	3) Relinquished by:		Date:	Time:
2) Received by:		Date:	Time:	4) Received by:		Date:	Time:
Samples Chilled		Custody Seals		Samples Intact		Temp C	
<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		<input type="radio"/> Yes <input checked="" type="radio"/> No		<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Courier <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex	
<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		<input type="radio"/> Yes <input checked="" type="radio"/> No		<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Paper <input type="radio"/> EMAIL <input type="radio"/> XLS <input type="radio"/> EDD, Type _____ <input type="radio"/> EDF, EPA Site ID _____	
Laboratory Notes:							
CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.							

Print Copy - Client Copy

Yellow Copy - Microbac Files

White Copy - Original (Accompanies Samples)




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CASE NARRATIVE

Authorized Signature Name / Title (print)	Mark Horan, Division Manager
Signature / Date	 <small>Mark Horan, Division Manager 07/31/2009 15:01:29</small>
Laboratory Job No. (Certificate of Analysis No.)	0906-00360
Project Name / No.	Playa Del Rey Storage Facility
Dates Sampled (from/to)	06/19/09 To 06/19/09
Dates Received (from/to)	06/19/09 To 06/19/09
Dates Reported (from/to)	06/22/09 To 07/31/09
Chains of Custody Received	Yes

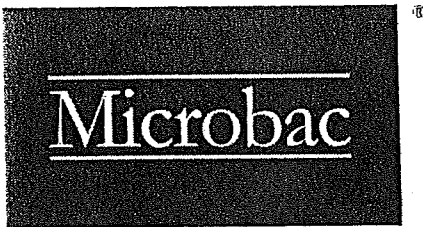
Comments:

Subcontracting
 Organic Analyses
 No analyses sub-contracted

Sample Condition(s)
 All samples intact

Positive Results (Organic Compounds)									
Sample	Analyte	Q	Result Units	RL	Sample	Analyte	Q	Result Units	RL
Ambient Blank	Methane		18 ppmv	15	SG-077	Methane		21 ppmv	15
SG-078	Methane	J	12 ppmv	15	SG-079	Methane	J	14 ppmv	15
SG-079-DUP	Methane		15 ppmv	15	SG-080	Methane	J	14 ppmv	15
SG-081	Methane	J	14 ppmv	15	SG-082	Methane		19 ppmv	15
SG-083	Methane	J	13 ppmv	15	SG-084	Methane		16 ppmv	15
SG-085	Methane		17 ppmv	15	SG-085-DUP	Methane		23 ppmv	15





Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00360

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/22/09
 Date Received 06/19/09
 Invoice No. 54027
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 Ambient Blank								Date & Time Sampled: 06/19/09 @ 8:15		
[C1-C6]										
Methane	18		ppmv	EPA 8015B	1	10	15	06/19/09	7:06	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/19/09	7:06	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
Sample: 002 SG-077								Date & Time Sampled: 06/19/09 @ 9:28		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	21		ppmv	EPA 8015B	1	10	15	06/19/09	7:06	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/19/09	7:06	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/19/09	6:49	JCT
Sample: 003 SG-078								Date & Time Sampled: 06/19/09 @ 11:07		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	12	J	ppmv	EPA 8015B	1	10	15	06/19/09	7:06	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00360

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/22/09
 Date Received 06/19/09
 Invoice No. 54027
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SG-078 Date & Time Sampled: 06/19/09 @ 11:07										
Purge Volume Sampled: 3										
.....continued										
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/19/09	7:06	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/19/09	6:49	JCT
Sample: 004 SG-079 Date & Time Sampled: 06/19/09 @ 11:41										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	14	J	ppmv	EPA 8015B	1	10	15	06/19/09	7:06	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/19/09	7:06	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/19/09	6:49	JCT
Sample: 005 SG-079-DUP Date & Time Sampled: 06/19/09 @ 11:41										
Purge Volume Sampled: 3										
[C1-C6]										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00360

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

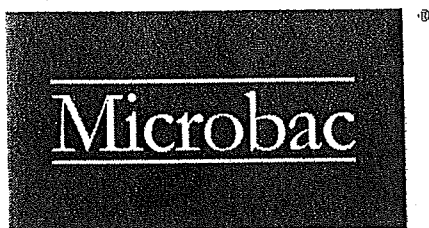
Date Reported 06/22/09
 Date Received 06/19/09
 Invoice No. 54027
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SG-079-DUP Date & Time Sampled: 06/19/09 @ 11:41 Purge Volume Sampled: 3continued										
Methane	15		ppmv	EPA 8015B	1	10	15	06/19/09	7:06	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/19/09	7:06	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/19/09	6:49	JCT
Sample: 006 SG-080 Date & Time Sampled: 06/19/09 @ 13:00 Purge Volume Sampled: 3										
[C1-C6]										
Methane	14	J	ppmv	EPA 8015B	1	10	15	06/19/09	7:06	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/19/09	7:06	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/19/09	6:49	JCT
Sample: 007 SG-081 Date & Time Sampled: 06/19/09 @ 13:21										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com socal@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00360

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/22/09
 Date Received 06/19/09
 Invoice No. 54027
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SG-081								Date & Time Sampled: 06/19/09 @ 13:21		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	14	J	ppmv	EPA 8015B	1	10	15	06/19/09	7:06	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/19/09	7:06	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/19/09	6:49	JCT
Sample: 008 SG-082								Date & Time Sampled: 06/19/09 @ 14:03		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	19		ppmv	EPA 8015B	1	10	15	06/19/09	7:06	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/19/09	7:06	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/19/09	6:49	JCT
Sample: 009 SG-083								Date & Time Sampled: 06/19/09 @ 14:29		

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00360

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/22/09
 Date Received 06/19/09
 Invoice No. 54027
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 SG-083 Date & Time Sampled: 06/19/09 @ 14:29										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	13	J	ppmv	EPA 8015B	1	10	15	06/19/09	7:06	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/19/09	7:06	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/19/09	6:49	JCT
Sample: 010 SG-084 Date & Time Sampled: 06/19/09 @ 14:56										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	16		ppmv	EPA 8015B	1	10	15	06/19/09	7:06	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/19/09	7:06	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/19/09	6:49	JCT
Sample: 011 SG-085 Date & Time Sampled: 06/19/09 @ 15:24										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

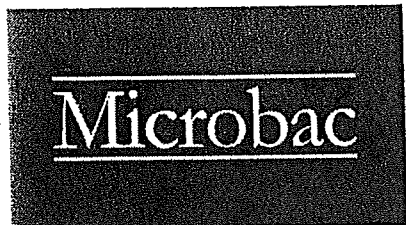
0906-00360

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/22/09
 Date Received 06/19/09
 Invoice No. 54027
 Cust # 1930.
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SG-085								Date & Time Sampled: 06/19/09 @ 15:26		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	17		ppmv	EPA 8015B	1	10	15	06/19/09	7:06	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/19/09	7:06	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/19/09	6:49	JCT
Sample: 012 SG-085-DUP								Date & Time Sampled: 06/19/09 @ 15:26		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	23		ppmv	EPA 8015B	1	10	15	06/19/09	7:06	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/19/09	7:06	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/19/09	7:06	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/19/09	7:06	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/19/09	7:06	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/19/09	7:06	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/19/09	6:49	JCT



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#'s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

Respectfully Submitted:

Mark Horan - Division Manager

QUALIFIERS

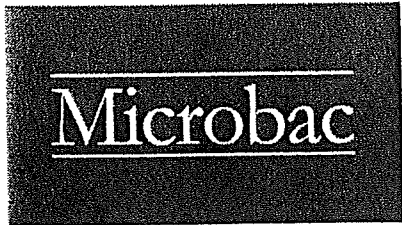
B = Detected in the associated Method Blank at a concentration above the routine RL.
 B1 = BOD dilution water is over specifications . The reported result may be biased high.
 D = Surrogate recoveries are not calculated due to sample dilution.
 E = Estimated value; Value exceeds calibration level of instrument.
 H = Analyte was prepared and/or analyzed outside of the analytical method holding time
 I = Matrix Interference.
 J = Analyte concentration detected between RL and MDL.
 Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
 S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
 RL = Reporting Limit, Adjusted by DF
 MDL = Method Detection Limit, Adjusted by DF
 Qual = Qualifier
 Tech = Technician

As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 92507
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

QUALITY CONTROL DATA REPORT

URS CORPORATION
 SANTA ANA, CA 92705

0906-00360

Date Reported 06/22/2009
 Date Received 06/19/2009
 Date Sampled 06/19/2009
 Invoice No. 54027
 Customer # 1930
 Customer P.O.

Project: Playa Del Rey Storage Facility

Method # EPA 8015B
 QC Reference # 14463 Date Analyzed: 6/19/2009 Technician: JCT
 Samples 001 002 003 004 005 006 007 008 009 010 011 012

Results

	LCS %REC	LCS %DUP	LCS %RPD
Ethane	88	103	15
Methane	103	97	6
N-Butane	89	101	13
N-Hexane	108	125	15
Pentane	96	111	14
Propane	87	100	14

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25

Method # EPA 8160B
 QC Reference # 14464 Date Analyzed: 6/19/2009 Technician: JCT
 Samples 002 003 004 005 006 007 008 009 010 011 012

No QC recoveries reported.

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
14463	Ethane	<1.26		ppmv	1.26						
	Methane	<10		ppmv	10						
	N-Butane	<0.37		ppmv	0.37						
	N-Hexane	<0.40		ppmv	0.40						
	Pentane	<0.36		ppmv	0.36						
	Propane	<0.43		ppmv	0.43						
14464	Isopropanol (IPA)	<0.50		µg/L	0.50						

RESPECTFULLY SUBMITTED: 
 MICROBAC LABORATORIES, INC.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.

Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

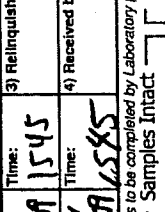
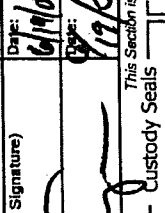
Chain of Custody Record

Microbac WO#

090600360

Page 1 of 2

www.microbac.com socal@microbac.com

Project No:		Project Name: Playa Del Rey Storage Facility		Turn Around <input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other			
Project Manager: Allen Blodgett		Phone: 17146677147		Special Instructions *PRIOR approval, additional fee, work received after 4 pm will be processed next work day.			
Customer Name: (Report and Billing) URS CORPORATION		Address: (Report and Billing) 2020 E. 1ST ST., STE. 400 SANTA ANA, CA 92705		-Pest. &/or PCBs: 608 or 8081/8082 -VOCs: 8270 or 825 -VOCs by GCMS: 8260 or 824 -LUT Diesel or 8015 DRO or C13-C40 -LUT Gas or 8015 GRO or C4-C12 -Metals: Title 22(CAM) or RCRA -IC: Br, SO4, PO4, NO3, Cl -Chem: Cyanide, Ammonia, TKN, Oil & Grease -Chem: BOD, TSS, TDS, pH -Micro: Plate Cnt, Coliform, E.Coli			
Email:		Preserved		-IPA by 8260 -C1 - C6 by 8015			
Lab # <small>(Lab use only)</small>	Sample ID <small>(As it should appear on report)</small>	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	Analyses Requested (circle appropriate)
001	Ambient Blank		6/19/2009	8:15	Vapor	Bulb	X
002	SG-077		6/19/2009	9:28	Vapor	Bulb	X
003	SG-078		6/19/2009	11:07	Vapor	Bulb	X
004	SG-079		6/19/2009	11:41	Vapor	Bulb	X
005	SG-079-DUP		6/19/2009	11:41	Vapor	Bulb	X
006	SG-080		6/19/2009	13:00	Vapor	Bulb	X
007	SG-081		6/19/2009	13:21	Vapor	Bulb	X
008	SG-082		6/19/2009	14:03	Vapor	Bulb	X
009	SG-083		6/19/2009	14:29	Vapor	Bulb	X
010	SG-084		6/19/2009	14:56	Vapor	Bulb	X
1) Analyzed by: (Sampler's Signature) 		Date: 6/19/09		Time: 1545		3) Relinquished by:	
2) Received by: 		Date: 6/19/09		Time: 1545		5) Relinquished by:	
Samples Chilled <input type="radio"/> Yes <input type="radio"/> No		Custody Seals <input type="radio"/> Yes <input checked="" type="radio"/> No		Samples Intact <input checked="" type="radio"/> Yes <input type="radio"/> No		Delivery <input type="radio"/> Courier <input type="radio"/> Walk In <input checked="" type="radio"/> UPS/Fed Ex	
Report Delivery Formats <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type _____ <input type="checkbox"/> EDF, EPA Site ID _____		Report Delivery Formats <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type _____ <input type="checkbox"/> EDF, EPA Site ID _____		Report Delivery Formats <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type _____ <input type="checkbox"/> EDF, EPA Site ID _____		Report Delivery Formats <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type _____ <input type="checkbox"/> EDF, EPA Site ID _____	
Laboratory Notes:		4) Received by: Date: _____ Time: _____		5) Relinquished by: Date: _____ Time: _____		Disposal <input type="radio"/> Return <input type="radio"/> Lab Disposal Unless other arrangements are made samples will be disposed of 60 days after receipt.	

Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

Microbac WOH#

090600360

Page 2 of 2

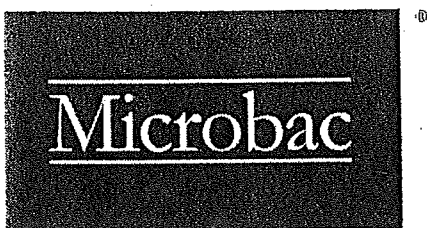
www.microbac.com socal@microbac.com

Project No:		Project Name:		Turn Around																																											
Allen Blodgett		Playa Del Rey Storage Facility		<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other																																											
Customer Name: URS CORPORATION		Address: (Report and Billing) 2020 E. 1ST ST., STE. 400 SANTA ANA, CA 92705		*PRIOR approval, additional fee, work received after 4 pm will be processed next work day. Special Instructions																																											
Lab #	Sample ID	Grab/Comp	Date sampled	Time sampled	Container # & Type																																										
011	SG-085		6/19/2009	15:26	Vapor																																										
012	SG-085-DUP		6/19/2009	15:26	Vapor																																										
<table border="1"> <thead> <tr> <th>Analyses Requested (circle appropriate)</th> <th>IC: Br, SO4, PO4, NO3, Cl</th> <th>Chem: Cyanide, Ammonia, TKN, Oil & Grease</th> <th>Chem: BOD, TSS, TDS, pH</th> <th>Micro: Plate Cnt, Coliform, E.Coli</th> <th>Metal: Title 22(CAM) or RCRA</th> <th>LUFT Gas or 8015 GRO or C4-C12</th> <th>LUFT Diesel or 8015 DRO or C13-C40</th> <th>VOCs by GCMS: 8260 or 824</th> <th>VOCs by GCMS: BTEX, OXYs</th> <th>SVOCs: 8270 or 825</th> <th>Pest &/or PCBs: 608 or 8081/8082</th> <th>IPA by 8260</th> <th>C1 - C6 by 8015</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> </tr> </tbody> </table>						Analyses Requested (circle appropriate)	IC: Br, SO4, PO4, NO3, Cl	Chem: Cyanide, Ammonia, TKN, Oil & Grease	Chem: BOD, TSS, TDS, pH	Micro: Plate Cnt, Coliform, E.Coli	Metal: Title 22(CAM) or RCRA	LUFT Gas or 8015 GRO or C4-C12	LUFT Diesel or 8015 DRO or C13-C40	VOCs by GCMS: 8260 or 824	VOCs by GCMS: BTEX, OXYs	SVOCs: 8270 or 825	Pest &/or PCBs: 608 or 8081/8082	IPA by 8260	C1 - C6 by 8015													X	X													X	X
Analyses Requested (circle appropriate)	IC: Br, SO4, PO4, NO3, Cl	Chem: Cyanide, Ammonia, TKN, Oil & Grease	Chem: BOD, TSS, TDS, pH	Micro: Plate Cnt, Coliform, E.Coli	Metal: Title 22(CAM) or RCRA	LUFT Gas or 8015 GRO or C4-C12	LUFT Diesel or 8015 DRO or C13-C40	VOCs by GCMS: 8260 or 824	VOCs by GCMS: BTEX, OXYs	SVOCs: 8270 or 825	Pest &/or PCBs: 608 or 8081/8082	IPA by 8260	C1 - C6 by 8015																																		
												X	X																																		
												X	X																																		
1) Relinquished by (Sampler's Signature)		Date: 6/19/09		Time: 1545																																											
2) Received by (Lab use only)		Date: 6/19/09		Time: 1545																																											
Samples Chilled		Custody Seals		Temp C																																											
<input type="radio"/> Yes <input checked="" type="radio"/> From Field		<input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="radio"/> Yes <input checked="" type="radio"/> No																																											
3) Relinquished by:		4) Received by:		5) Relinquished by:																																											
Date: _____		Date: _____		Date: _____																																											
Time: _____		Time: _____		Time: _____																																											
6) Received for Laboratory by:		7) Relinquished by:		8) Received for Laboratory by:																																											
Date: _____		Date: _____		Date: _____																																											
Time: _____		Time: _____		Time: _____																																											
Report Delivery Formats <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type _____ <input type="checkbox"/> EDF, EPA Site ID _____																																															
Delivery <input type="radio"/> Counter <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex																																															
Laboratory Notes:																																															

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

White Copy - Original (Accompanies Samples) Yellow Copy - Microbac Files Pink Copy - Client Copy

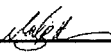


Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CASE NARRATIVE

Authorized Signature Name / Title (print)	Mark Horan, Division Manager
Signature / Date	 Mark Horan, Division Manager 07/31/2009 15:02:41
Laboratory Job No. (Certificate of Analysis No.)	0906-00393
Project Name / No.	Playa Del Rey Storage Facility
Dates Sampled (from/to)	06/22/09 To 06/22/09
Dates Received (from/to)	06/22/09 To 06/22/09
Dates Reported (from/to)	06/23/09 To 07/31/09
Chains of Custody Received	Yes

Comments:

Subcontracting Organic Analyses

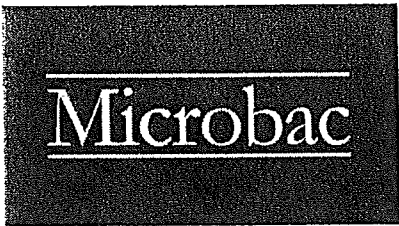
No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

Sample	Analyte	Q	Result	Units	RL	Sample	Analyte	Q	Result	Units	RL
Ambient Blank	Ethane	J	1.4	ppmv	3.0	Ambient Blank	Methane		31	ppmv	15
SG-086	Methane		30	ppmv	15	SG-087	Methane		34	ppmv	15
SG-088	Methane		23	ppmv	15	SG-089	Methane		18	ppmv	15
SG-090	Methane		22	ppmv	15	SG-091	Methane		22	ppmv	15
SG-092	Methane		25	ppmv	15	SG-093	Methane		26	ppmv	15
SG-094	Methane		20	ppmv	15	SG-095	Methane		20	ppmv	15
SG-096	Methane		26	ppmv	15	SG-097	Methane		22	ppmv	15
SG-097-DUP	Methane		17	ppmv	15						



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00393

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/23/09
 Date Received 06/22/09
 Invoice No. 54060
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tecl
----------	--------	------	-------	--------	----	-----	----	------	------	------

Sample: 001 Ambient Blank										
										Date & Time Sampled: 06/22/09 @ 8:30
[C1-C6]										
Methane	31		ppmv	EPA 8015B	1	10	15	06/22/09	7:09	JCT
Ethane	1.4	J	ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/22/09	7:09	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT

Sample: 002 SG-086										
Purge Volume Sampled: 3										Date & Time Sampled: 06/22/09 @ 9:13
[C1-C6]										
Methane	30		ppmv	EPA 8015B	1	10	15	06/22/09	7:09	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/22/09	7:09	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/22/09	6:46	JCT

Sample: 003 SG-087										
Purge Volume Sampled: 3										Date & Time Sampled: 06/22/09 @ 9:48
[C1-C6]										
Methane	34		ppmv	EPA 8015B	1	10	15	06/22/09	7:09	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research





Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00393

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/23/09
 Date Received 06/22/09
 Invoice No. 54060
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SG-087 Date & Time Sampled: 06/22/09 @ 9:48 Purge Volume Sampled: 3continued										
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/22/09	7:09	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/22/09	6:46	JCT
Sample: 004 SG-088 Date & Time Sampled: 06/22/09 @ 10:25 Purge Volume Sampled: 3 [C1-C6]										
Methane	23		ppmv	EPA 8015B	1	10	15	06/22/09	7:09	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/22/09	7:09	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/22/09	6:46	JCT
Sample: 005 SG-089 Date & Time Sampled: 06/22/09 @ 10:50 Purge Volume Sampled: 3 [C1-C6]										



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00393

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/23/09
 Date Received 06/22/09
 Invoice No. 54060
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SG-089 Date & Time Sampled: 06/22/09 @ 10:50										
Purge Volume Sampled: 3										
.....continued										
Methane	18		ppmv	EPA 8015B	1	10	15	06/22/09	7:09	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/22/09	7:09	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/22/09	6:46	JCT

Sample: 006 SG-090 Date & Time Sampled: 06/22/09 @ 11:30										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	22		ppmv	EPA 8015B	1	10	15	06/22/09	7:09	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/22/09	7:09	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/22/09	6:46	JCT

Sample: 007 SG-091 Date & Time Sampled: 06/22/09 @ 11:53

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS**0906-00393**

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

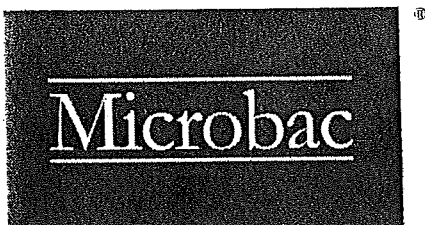
Date Reported 06/23/09
 Date Received 06/22/09
 Invoice No. 54060
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SG-091 Date & Time Sampled: 06/22/09 @ 11:53										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	22		ppmv	EPA 8015B	1	10	15	06/22/09	7:09	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/22/09	7:09	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/22/09	6:46	JCT
Sample: 008 SG-092 Date & Time Sampled: 06/22/09 @ 12:32										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	25		ppmv	EPA 8015B	1	10	15	06/22/09	7:09	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/22/09	7:09	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/22/09	6:46	JCT
Sample: 009 SG-093 Date & Time Sampled: 06/22/09 @ 13:08										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00393

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

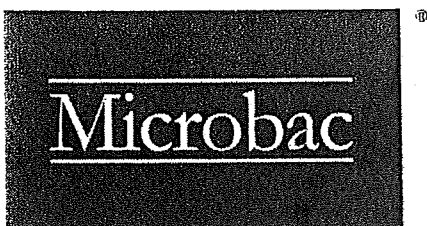
Date Reported 06/23/09
 Date Received 06/22/09
 Invoice No. 54060
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tec
Sample: 009 SG-093										
Purge Volume Sampled: 3										
Date & Time Sampled: 06/22/09 @ 13:08										
[C1-C6]										
Methane	26		ppmv	EPA 8015B	1	10	15	06/22/09	7:09	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/22/09	7:09	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/22/09	6:46	JCT
Sample: 010 SG-094										
Purge Volume Sampled: 3										
Date & Time Sampled: 06/22/09 @ 13:44										
[C1-C6]										
Methane	20		ppmv	EPA 8015B	1	10	15	06/22/09	7:09	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/22/09	7:09	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/22/09	6:46	JCT
Sample: 011 SG-095										
Date & Time Sampled: 06/22/09 @ 14:11										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00393

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/23/09
 Date Received 06/22/09
 Invoice No. 54060
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SG-095								Date & Time Sampled: 06/22/09 @ 14:11		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	20		ppmv	EPA 8015B	1	10	15	06/22/09	7:09	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/22/09	7:09	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/22/09	6:46	JCT
Sample: 012 SG-096								Date & Time Sampled: 06/22/09 @ 14:39		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	26		ppmv	EPA 8015B	1	10	15	06/22/09	7:09	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/22/09	7:09	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/22/09	6:46	JCT
Sample: 013 SG-097								Date & Time Sampled: 06/22/09 @ 15:38		

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

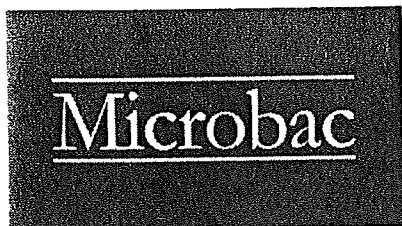
0906-00393

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/23/09
 Date Received 06/22/09
 Invoice No. 54060
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 SG-097 Date & Time Sampled: 06/22/09 @ 15:38										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	22		ppmv	EPA 8015B	1	10	15	06/22/09	7:09	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/22/09	7:09	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/22/09	6:46	JCT
Sample: 014 SG-097-DUP Date & Time Sampled: 06/22/09 @ 15:38										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	17		ppmv	EPA 8015B	1	10	15	06/22/09	7:09	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/22/09	7:09	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/22/09	7:09	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/22/09	7:09	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/22/09	7:09	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/22/09	7:09	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/22/09	6:46	JCT



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

Respectfully Submitted:


 Mark Horan - Division Manager

QUALIFIERS

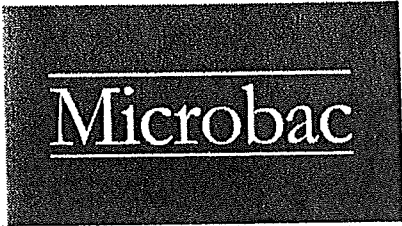
B = Detected in the associated Method Blank at a concentration above the routine RL.
 B1 = BOD dilution water is over specifications. The reported result may be biased high.
 D = Surrogate recoveries are not calculated due to sample dilution.
 E = Estimated value; Value exceeds calibration level of instrument.
 H = Analyte was prepared and/or analyzed outside of the analytical method holding time
 I = Matrix Interference.
 J = Analyte concentration detected between RL and MDL.
 Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
 S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
 RL = Reporting Limit, Adjusted by DF
 MDL = Method Detection Limit, Adjusted by DF
 Qual = Qualifier
 Tech = Technician

As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 92507
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

QUALITY CONTROL DATA REPORT

URS CORPORATION
 SANTA ANA, CA 92705

0906-00393

Date Reported 06/23/2009
 Date Received 06/22/2009
 Date Sampled 06/22/2009
 Invoice No. 54060
 Customer # 1930
 Customer P.O.

Project: Playa Del Rey Storage Facility

Method # EPA 8015
 QC Reference # 14494 Date Analyzed: 6/22/2009 Technician: JCT
 Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014

Results

	LCS %REC	LCS %DUP	LCS %RPD
Ethane	95	97	2
Methane	94	85	10
N-Butane	92	95	4
N-Hexane	106	112	5
Pentane	98	102	4
Propane	91	94	3

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25

Method # EPA 8260B
 QC Reference # 14495 Date Analyzed: 6/22/2009 Technician: JCT
 Samples 002 003 004 005 006 007 008 009 010 011 012 013 014

No QC recoveries reported.

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
14494	Ethane	<1.26		ppmv	1.26						
	Methane	<10		ppmv	10						
	N-Butane	<0.37		ppmv	0.37						
	N-Hexane	<0.40		ppmv	0.40						
	Pentane	<0.36		ppmv	0.36						
	Propane	<0.43		ppmv	0.43						
14495	Isopropanol (IPA)	<0.50		µg/L	0.50						

RESPECTFULLY SUBMITTED:

Mark Horan
 MICROBAC LABORATORIES, INC.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.



Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

Microbac WO#

090600393

Page **1** of **2**

www.microbac.com social@microbac.com

Project No:		Project Name:		Analyses Requested (circle appropriate)		Turn Around	
Project Manager:		Playa Del Rey Storage Facility		Preserved		<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other	
Allen Blodgett		Address: (Report and Billing)		Chem: BOD, TSS, TDS, pH		*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.	
Customer Name: (Report and Billing)		2020 E. 1ST ST., STE. 400		Micro: Plate Cnt, Coliform, E.Coli		Special Instructions	
URS CORPORATION		SANTA ANA, CA 92705		Chem: Cyanide, Ammonia, TKN, Oil & Grease		<input type="checkbox"/> C1 - C6 by 8015 <input type="checkbox"/> IPA by 8260 <input type="checkbox"/> Pest. &/or PCBs: 608 or 8081/8082 <input type="checkbox"/> SVOCs: 8270 or 625 <input type="checkbox"/> VOCs by GCMS: BTEX, OXYs <input type="checkbox"/> VOCs by GCMS: 8260 or 624 <input type="checkbox"/> LUFT Diesel or 8015 DRO or C13-C40 <input type="checkbox"/> LUFT Gas or 8015 GRO or C4-C12 <input type="checkbox"/> Metals: Title 22(CAM) or RCRA <input type="checkbox"/> IC: Br, SO4, PO4, NO3, Cl	
Lab #	Sample ID	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	
(Lab use only)	(As it should appear on report)						
001	Ambient Blank		6/22/2009	8:30	Vapor	Bulb	X
002	SG-086		6/22/2009	9:13	Vapor	Bulb	X
003	SG-087		6/22/2009	9:48	Vapor	Bulb	X
004	SG-088		6/22/2009	10:25	Vapor	Bulb	X
005	SG-089		6/22/2009	10:50	Vapor	Bulb	X
006	SG-090		6/22/2009	11:30	Vapor	Bulb	X
007	SG-091		6/22/2009	11:53	Vapor	Bulb	X
008	SG-092		6/22/2009	12:32	Vapor	Bulb	X
009	SG-093		6/22/2009	13:08	Vapor	Bulb	X
010	SG-094		6/22/2009	13:44	Vapor	Bulb	X
1) Relinquished by: (Sample Signatures)		Date: 6/22/09		Time: 1600		5) Relinquished by:	
2) Received by:		Date: 6/22/09		Time: 1600		6) Received for Laboratory by:	
Samples Chilled <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		Custody Seals <input type="radio"/> Yes <input checked="" type="radio"/> No		Samples Intact <input checked="" type="radio"/> Yes <input type="radio"/> No		Report Delivery Formats <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type _____ <input type="checkbox"/> EDF, EPA Site ID _____	
Laboratory Notes:		Delivery		<input type="radio"/> Courier <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex		Disposal	
						<input type="radio"/> Return <input type="radio"/> Lab Disposal Unless other arrangements are made samples will be disposed of 60 days after receipt.	

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

Yellow Copy - Microbac Files
 Pink Copy - Client Copy



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122


CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CASE NARRATIVE

Authorized Signature Name / Title (print)

Mark Horan, Division Manager

Signature / Date


 Mark Horan, Division Manager
 07/31/2009 15:03:17

Laboratory Job No. (Certificate of Analysis No.)

0906-00415

Project Name / No.

Playa Del Rey Storage Facility

Dates Sampled (from/to)

06/23/09 To 06/23/09

Dates Received (from/to)

06/23/09 To 06/23/09

Dates Reported (from/to)

06/24/09 To 07/31/09

Chains of Custody Received

Yes

Comments:

Subcontracting

Organic Analyses

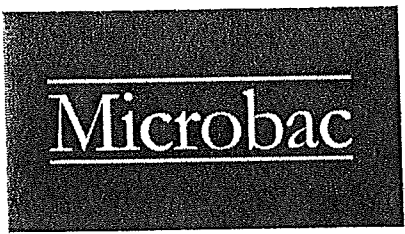
No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

Sample	Analyte	Q	Result Units	RL	Sample	Analyte	Q	Result Units	RL
Ambient Blank	Methane		30 ppmv	15	SG-098	Ethane	J	1.3 ppmv	3.0
SG-098	Methane		30 ppmv	15	SG-099	Methane		23 ppmv	15
SG-100	Methane		24 ppmv	15	SG-101	Ethane	J	1.3 ppmv	3.0
SG-101	Methane		29 ppmv	15	SG-102	Methane		18 ppmv	15
SG-103	Methane		21 ppmv	15	SG-104	Methane		23 ppmv	15
SG-105	Methane		17 ppmv	15	SG-106	Methane		20 ppmv	15
SG-107	Methane		21 ppmv	15	SG-108	Methane		21 ppmv	15
SG-109	Methane		21 ppmv	15	SG-110	Methane		17 ppmv	15
SG-111	Methane		18 ppmv	15	SG-112	Methane		22 ppmv	15
SG-112-DUP	Methane		21 ppmv	15					



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00415

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/24/09
 Date Received 06/23/09
 Invoice No. 54076
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 Ambient Blank Date & Time Sampled: 06/23/09 @ 7:24										
[C1-C6]										
Methane	30		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
Sample: 002 SG-098 Date & Time Sampled: 06/23/09 @ 8:02										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	30		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Ethane	1.3	J	ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT
Sample: 003 SG-099 Date & Time Sampled: 06/23/09 @ 8:39										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	23		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research





Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00415

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

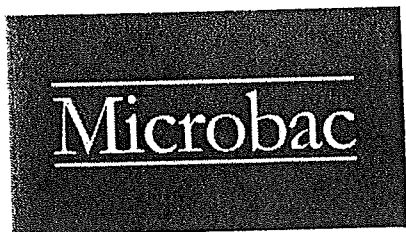
Date Reported 06/24/09
 Date Received 06/23/09
 Invoice No. 54076
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Date & Time Sampled: 06/23/09 @ 8:39										
Sample: 003 SG-099										
Purge Volume Sampled: 3										
....continued										
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT
Date & Time Sampled: 06/23/09 @ 9:11										
Sample: 004 SG-100										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	24		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT
Date & Time Sampled: 06/23/09 @ 9:40										
Sample: 005 SG-101										
Purge Volume Sampled: 3										
[C1-C6]										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00415

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/24/09
 Date Received 06/23/09
 Invoice No. 54076
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tec
Sample: 005 SG-101 Date & Time Sampled: 06/23/09 @ 9:40 Purge Volume Sampled: 3continued										
Methane	29		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Ethane	1.3	J	ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT
Sample: 006 SG-102 Date & Time Sampled: 06/23/09 @ 10:11 Purge Volume Sampled: 3										
[C1-C6]										
Methane	18		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT
Sample: 007 SG-103 Date & Time Sampled: 06/23/09 @ 10:39										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research





Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00415

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/24/09
 Date Received 06/23/09
 Invoice No. 54076
 Cust # 1930
 Permit Number
 Customer P.O.

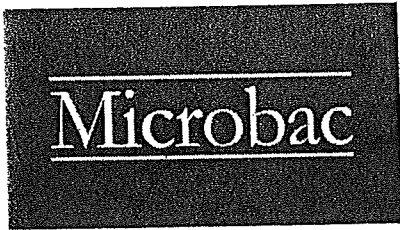
Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Date & Time Sampled: 06/23/09 @ 10:39										
Sample: 007 SG-103										
Purge Volume Sampled: 3										
[C1-C6]	21		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Methane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT
Date & Time Sampled: 06/23/09 @ 11:09										
Sample: 008 SG-104										
Purge Volume Sampled: 3										
[C1-C6]	23		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Methane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT
Date & Time Sampled: 06/23/09 @ 11:38										
Sample: 009 SG-105										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00415

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/24/09
 Date Received 06/23/09
 Invoice No. 54076
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 SG-105 Date & Time Sampled: 06/23/09 @ 11:38 Purge Volume Sampled: 3										
[C1-C6]										
Methane	17		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT
Sample: 010 SG-106 Date & Time Sampled: 06/23/09 @ 12:06 Purge Volume Sampled: 3										
[C1-C6]										
Methane	20		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT
Sample: 011 SG-107 Date & Time Sampled: 06/23/09 @ 12:33										





Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00415

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/24/09
 Date Received 06/23/09
 Invoice No. 54076
 Cust # 1930
 Permit Number
 Customer P.O.

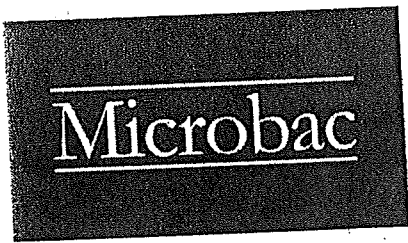
Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Date & Time Sampled: 06/23/09 @ 12:33										
Sample: 011 SG-107										
Purge Volume Sampled: 3										
[C1-C6]	21		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Methane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT
Date & Time Sampled: 06/23/09 @ 13:03										
Sample: 012 SG-108										
Purge Volume Sampled: 3										
[C1-C6]	21		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Methane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT
Date & Time Sampled: 06/23/09 @ 13:34										
Sample: 013 SG-109										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00415

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/24/09
 Date Received 06/23/09
 Invoice No. 54076
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tecl
Date & Time Sampled: 06/23/09 @ 13:34										
Sample: 013 SG-109										
Purge Volume Sampled: 3										
[C1-C6]	21		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Methane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)										
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT
Isopropanol (IPA)										
Date & Time Sampled: 06/23/09 @ 14:03										
Sample: 014 SG-110										
Purge Volume Sampled: 3										
[C1-C6]	17		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Methane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)										
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT
Isopropanol (IPA)										
Date & Time Sampled: 06/23/09 @ 14:21										
Sample: 015 SG-111										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research





Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00415

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/24/09
 Date Received 06/23/09
 Invoice No. 54076
 Cust # 1930
 Permit Number
 Customer P.O.

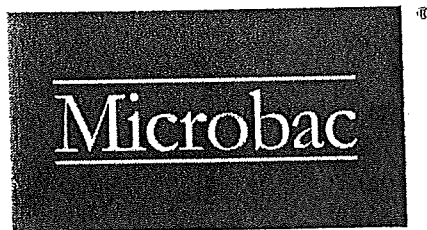
Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Date & Time Sampled: 06/23/09 @ 14:29										
Sample: 015 SG-111										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	18		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT
Date & Time Sampled: 06/23/09 @ 14:56										
Sample: 016 SG-112										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	22		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT
Date & Time Sampled: 06/23/09 @ 14:56										
Sample: 017 SG-112-DUP										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00415

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/24/09
 Date Received 06/23/09
 Invoice No. 54076
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 017 SG-112-DUP										
Purge Volume Sampled: 3										
Date & Time Sampled: 06/23/09 @ 14:56										
[C1-C6]										
Methane	21		ppmv	EPA 8015B	1	10	15	06/23/09	6:01	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/23/09	6:01	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/23/09	6:01	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/23/09	6:01	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/23/09	6:01	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/23/09	6:01	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/23/09	6:15	JCT

Respectfully Submitted:


 Mark Horan - Division Manager

QUALIFIERS

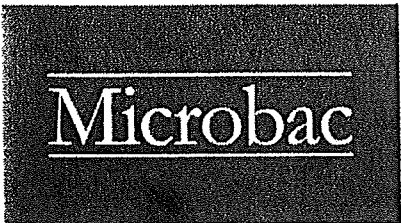
B = Detected in the associated Method Blank at a concentration above the routine RL.
 B1 = BOD dilution water is over specifications. The reported result may be biased high.
 D = Surrogate recoveries are not calculated due to sample dilution.
 E = Estimated value; Value exceeds calibration level of instrument.
 H = Analyte was prepared and/or analyzed outside of the analytical method holding time
 I = Matrix Interference.
 J = Analyte concentration detected between RL and MDL.
 Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
 S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
 RL = Reporting Limit, Adjusted by DF
 MDL = Method Detection Limit, Adjusted by DF
 Qual = Qualifier
 Tech = Technician

As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.



Microbac Laboratories, Inc.

SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 92507
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

QUALITY CONTROL DATA REPORT

URS CORPORATION
 SANTA ANA, CA 92705

0906-00415

Date Reported 06/24/2009
 Date Received 06/23/2009
 Date Sampled 06/23/2009
 Invoice No. 54076
 Customer # 1930
 Customer P.O.

Project: Playa Del Rey Storage Facility

Method # EPA 8015B

QC Reference # 14512 Date Analyzed: 6/23/2009 Technician: JCT
 Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016 017

Results

	LCS %REC	LCS %DUP	LCS %RPD
Ethane	102	108	5
Methane	106	99	6
N-Butane	100	107	7
N-Hexane	116	126	9
Pentane	106	115	8
Propane	100	106	6

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25

Method # EPA 8260B

QC Reference # 14513 Date Analyzed: 6/23/2009 Technician: JCT
 Samples 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016 017

No QC recoveries reported.

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
14512	Ethane	<1.26		ppmv	1.26						
	Methane	<10		ppmv	10						
	N-Butane	<0.37		ppmv	0.37						
	N-Hexane	<0.40		ppmv	0.40						
	Pentane	<0.36		ppmv	0.36						
	Propane	<0.43		ppmv	0.43						
14513	Isopropanol (IPA)	<0.50		µg/L	0.50						

RESPECTFULLY SUBMITTED: 
 MICROBAC LABORATORIES, INC.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.

Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

Microbac WO#
090600415

www.microbac.com socal@microbac.com

Page 1 of 2

Project No:		Project Name:		Analyses Requested (circle appropriate)		Turn Around	
Project Manager:		Playa Del Rey Storage Facility		Micro: Plate Cnt., Coliform, E.Coli		<input type="radio"/> 24hr RUSH*	
Phone:		17146677147		Chem: BOD, TSS, TDS, PH		<input type="radio"/> 48hr RUSH*	
Customer Name: (Report and Billing)		2020 E. 1ST ST., STE. 400		IC: Br, SO4, PO4, NO3, Cl		<input type="radio"/> Normal	
URS CORPORATION		SANTA ANA, CA 92705		Metals: Title 22(CAM) or RCRA		<input type="radio"/> Other	
Email:				LUFT Gas or 8015 GRO or C4-C12		<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other	
Lab #	Sample ID	Grab/Comp	Date sampled	Time sampled	Sample matrix		Container # & Type
(Lab use only)	(As it should appear on report)						
001	Ambient Blank		6/23/2009	7:24	Vapor		Bulb
002	SG-098		6/23/2009	8:02	Vapor		Bulb
003	SG-099		6/23/2009	8:39	Vapor		Bulb
004	SG-100		6/23/2009	9:11	Vapor		Bulb
005	SG-101		6/23/2009	9:40	Vapor		Bulb
006	SG-102		6/23/2009	10:11	Vapor		Bulb
007	SG-103		6/23/2009	10:39	Vapor		Bulb
008	SG-104		6/23/2009	11:09	Vapor		Bulb
009	SG-105		6/23/2009	11:38	Vapor	Bulb	
010	SG-106		6/23/2009	12:06	Vapor	Bulb	
1) Relinquished by: (Sampler's Signature)		Date: 6/23/09		Time: 1510		3) Relinquished by:	
2) Received by:		Date: 6/23/09		Time: 1510		4) Received by:	
Samples Chilled		Custody Seals		Temp C		Delivery	
<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Courier	
<input checked="" type="radio"/> From Field						<input type="radio"/> Walk-In	
Laboratory Notes:		Report Delivery Formats		EDF, EPA Site ID		<input type="radio"/> UPS/Fed Ex	
		<input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS					
		Unless other arrangements are made samples will be disposed of 60 days after receipt.					

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9396 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

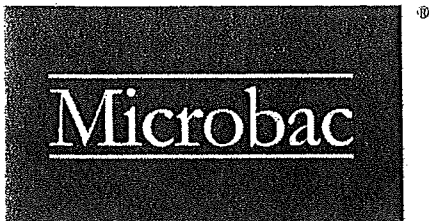
Microbac WO#
090600415

Page **2** of **2**

www.microbac.com social@microbac.com



Project No:		Project Name:		Analyses Requested (circle appropriate)		Turn Around	
Project Manager:		Playa Del Rey Storage Facility		IC: Br, SO4, PO4, NO3, Cl		<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other	
Phone:		17146677147		Chem: Cyanide, Ammonia, TKN, Oil & Grease		*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.	
Customer Name:		2020 E. 1ST ST., STE. 400		Micro: Plate Cnt, Coliform, E.Coli		Special Instructions	
URS CORPORATION		SANTA ANA, CA 92705		Preserved			
Email:				Chem: BOD, TSS, TDS, pH			
Lab #	Sample ID	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	
011	SG-107		6/23/2009	12:33	Vapor	Bulb	
012	SG-108		6/23/2009	13:03	Vapor	Bulb	
013	SG-109		6/23/2009	13:34	Vapor	Bulb	
014	SG-110		6/23/2009	14:03	Vapor	Bulb	
015	SG-111		6/23/2009	14:29	Vapor	Bulb	
016	SG-112		6/23/2009	14:56	Vapor	Bulb	
017	SG-112-DUP		6/23/2009	14:56	Vapor	Bulb	
1) Relinquished by: (Sampler's Signature)		Date: 6/23/09		Time: 1510		Date: _____	
2) Received by:		Date: 6/23/09		Time: 1510		Date: _____	
3) Relinquished by:		Date: _____		Time: _____		Date: _____	
4) Received by:		Date: _____		Time: _____		Date: _____	
5) Relinquished by:		Date: _____		Time: _____		Date: _____	
6) Received for Laboratory by:		Date: _____		Time: _____		Date: _____	
7) Disposal		Date: _____		Time: _____		Date: _____	
<input type="radio"/> Return <input type="radio"/> Lab Disposal		<input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS		<input type="checkbox"/> EDD, Type <input type="checkbox"/> EDF, EPA Site ID		Unless other arrangements are made samples will be disposed of 60 days after receipt.	
<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Counter <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex	
<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No	
Laboratory Notes:							




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CASE NARRATIVE

Authorized Signature Name / Title (print)	Mark Horan, Division Manager
Signature / Date	 Mark Horan, Division Manager 07/31/2009 15:04:39
Laboratory Job No. (Certificate of Analysis No.)	0906-00444
Project Name / No.	Playa Del Rey Storage Facility
Dates Sampled (from/to)	06/24/09 To 06/24/09
Dates Received (from/to)	06/24/09 To 06/24/09
Dates Reported (from/to)	06/25/09 To 07/31/09
Chains of Custody Received	Yes

Comments:

Subcontracting Organic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

Sample	Analyte	Q	Result Units	RL	Sample	Analyte	Q	Result Units	RL
Ambient Blank	Methane		24 ppmv	15	SG-113	Methane		24 ppmv	15
SG-114	Methane		28 ppmv	15	SG-115	Methane		340 ppmv	15
SG-115	Propane	J	0.53 ppmv	1.5	SG-116	Methane		24 ppmv	15
SG-117	Methane		25 ppmv	15	SG-118	Methane		20 ppmv	15
SG-119	Methane		20 ppmv	15	SG-120	Methane		21 ppmv	15
SG-120-DUP	Methane		20 ppmv	15	SG-121	Methane	J	14 ppmv	15
SG-122	Methane	J	14 ppmv	15	SG-123	Methane		24 ppmv	15
SG-124	Methane		18 ppmv	15	SG-125	Methane		20 ppmv	15
SG-126	Methane		22 ppmv	15	SG-126-DUP	Methane		24 ppmv	15



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00444

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/25/09
 Date Received 06/24/09
 Invoice No. 54097
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 Ambient Blank								Date & Time Sampled: 06/24/09 @ 7:30		
[C1-C6]										
Methane	24		ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
Sample: 002 SG-113								Date & Time Sampled: 06/24/09 @ 8:10		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	24		ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT
Sample: 003 SG-114								Date & Time Sampled: 06/24/09 @ 8:40		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	28		ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00444

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/25/09
 Date Received 06/24/09
 Invoice No. 54097
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SG-114 Date & Time Sampled: 06/24/09 @ 8:40 Purge Volume Sampled: 3continued										
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT
Sample: 004 SG-115 Date & Time Sampled: 06/24/09 @ 9:12 Purge Volume Sampled: 3										
[C1-C6]										
Methane	340		ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	0.53	J	ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT
Sample: 005 SG-116 Date & Time Sampled: 06/24/09 @ 9:41 Purge Volume Sampled: 3										
[C1-C6]										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00444

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/25/09
 Date Received 06/24/09
 Invoice No. 54097
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SG-116 Date & Time Sampled: 06/24/09 @ 9:41 Purge Volume Sampled: 3 continued										
Methane	24		ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT
Sample: 006 SG-117 Date & Time Sampled: 06/24/09 @ 10:10 Purge Volume Sampled: 3										
[C1-C6]										
Methane	25		ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT
Sample: 007 SG-118 Date & Time Sampled: 06/24/09 @ 10:37										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER




Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00444

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/25/09
 Date Received 06/24/09
 Invoice No. 54097
 Cust # 1930
 Permit Number
 Customer P.O.

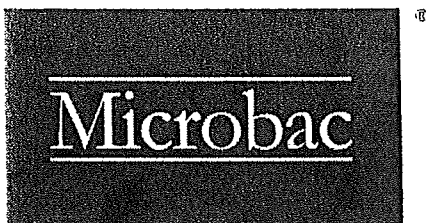
Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SG-118 Date & Time Sampled: 06/24/09 @ 10:37										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	20		ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT
Sample: 008 SG-119 Date & Time Sampled: 06/24/09 @ 11:07										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	20		ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT
Sample: 009 SG-120 Date & Time Sampled: 06/24/09 @ 11:36										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00444

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

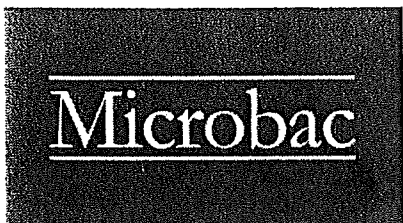
Date Reported 06/25/09
 Date Received 06/24/09
 Invoice No. 54097
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 SG-120										
Date & Time Sampled: 06/24/09 @ 11:36										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	21		ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT
Sample: 010 SG-120-DUP										
Date & Time Sampled: 06/24/09 @ 11:36										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	20		ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT
Sample: 011 SG-121										
Date & Time Sampled: 06/24/09 @ 12:53										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00444

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/25/09
 Date Received 06/24/09
 Invoice No. 54097
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SG-121										
Date & Time Sampled: 06/24/09 @ 12:53										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	14	J	ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT
Sample: 012 SG-122										
Date & Time Sampled: 06/24/09 @ 13:22										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	14	J	ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT
Sample: 013 SG-123										
Date & Time Sampled: 06/24/09 @ 13:50										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00444

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

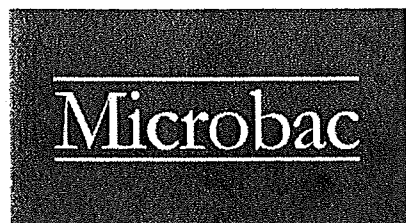
Date Reported 06/25/09
 Date Received 06/24/09
 Invoice No. 54097
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 SG-123 Date & Time Sampled: 06/24/09 @ 13:50 Purge Volume Sampled: 3										
[C1-C6]										
Methane	24		ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT
Sample: 014 SG-124 Date & Time Sampled: 06/24/09 @ 14:16 Purge Volume Sampled: 3										
[C1-C6]										
Methane	18		ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT
Sample: 015 SG-125 Date & Time Sampled: 06/24/09 @ 14:40										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00444

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/25/09
 Date Received 06/24/09
 Invoice No. 54097
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 015 SG-125										
Purge Volume Sampled: 3										
Date & Time Sampled: 06/24/09 @ 14:40										
[C1-C6]										
Methane	20		ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT
Sample: 016 SG-126										
Purge Volume Sampled: 3										
Date & Time Sampled: 06/24/09 @ 15:02										
[C1-C6]										
Methane	22		ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT
Sample: 017 SG-126-DUP										
Date & Time Sampled: 06/24/09 @ 15:02										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com socal@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00444

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/25/09
 Date Received 06/24/09
 Invoice No. 54097
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 017 SG-126-DUP								Date & Time Sampled: 06/24/09 @ 15:02		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	24		ppmv	EPA 8015B	1	10	15	06/24/09	6:05	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/24/09	6:05	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/24/09	6:05	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/24/09	6:05	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/24/09	6:05	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/24/09	6:05	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/24/09	6:19	JCT

Respectfully Submitted:


 Mark Horan - Division Manager

QUALIFIERS

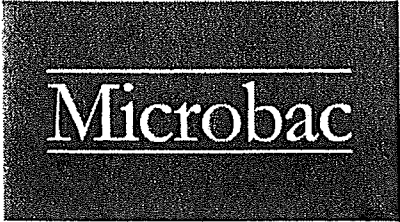
B = Detected in the associated Method Blank at a concentration above the routine RL.
 B1 = BOD dilution water is over specifications. The reported result may be biased high.
 D = Surrogate recoveries are not calculated due to sample dilution.
 E = Estimated value; Value exceeds calibration level of instrument.
 H = Analyte was prepared and/or analyzed outside of the analytical method holding time
 I = Matrix Interference.
 J = Analyte concentration detected between RL and MDL.
 Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
 S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
 RL = Reporting Limit, Adjusted by DF
 MDL = Method Detection Limit, Adjusted by DF
 Qual = Qualifier
 Tech = Technician

As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 92507
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

QUALITY CONTROL DATA REPORT

URS CORPORATION
 SANTA ANA, CA 92705

0906-00444

Date Reported 06/25/2009
 Date Received 06/24/2009
 Date Sampled 06/24/2009
 Invoice No. 54097
 Customer # 1930
 Customer P.O.

Project: Playa Del Rey Storage Facility

Method # EPA 8015B

QC Reference # 14555 Date Analyzed: 6/24/2009 Technician: JCT
 Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016 017

Results

	LCS %REC	LCS %DUP	LCS %RPD
Ethane	100	101	1
Methane	96	114	19
N-Butane	97	96	1
N-Hexane	117	113	3
Pentane	106	103	2
Propane	97	96	1

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25

Method # EPA 8260B

QC Reference # 14556 Date Analyzed: 6/24/2009 Technician: JCT
 Samples 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016 017

No QC recoveries reported.

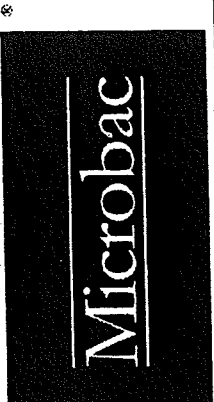
Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
14555	Ethane	<1.26		ppmv	1.26						
	Methane	<10		ppmv	10						
	N-Butane	<0.37		ppmv	0.37						
	N-Hexane	<0.40		ppmv	0.40						
	Pentane	<0.36		ppmv	0.36						
	Propane	<0.43		ppmv	0.43						
14556	Isopropanol (IPA)	<0.50		µg/L	0.50						

RESPECTFULLY SUBMITTED:

Mark Horan
 MICROBAC LABORATORIES, INC.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.



Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

Microbac WO#
090600444

Page 1 of 2

www.microbac.com social@microbac.com

Project No:		Project Name: Playa Del Rey Storage Facility		Turn Around <input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other																			
Project Manager: Allen Blodgett		Phone: 17146677147		Special Instructions																			
Customer Name: (Report and Billing) URS CORPORATION		Address: (Report and Billing) 2020 E. 1ST ST., STE. 400		*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.																			
Email:		SANTA ANA, CA 92705		Preserved																			
Lab # (Lab use only)	Sample ID (As it should appear on report)	Grab/Comp	Date sampled	Time sampled	Sample matrix # & Type	Container # & Type	Micro: Plate Cnt, Coliform, E.Coli	Chem: BOD, TSS, TDS, PH	Chem: Cyanide, Ammonia, TKN, Oil & Grease	IC: Br, SO4, PO4, NO3, Cl	Metals: Title 22(CAM) or RCRA	LUFT Gas or 8015 GRO or C4-C12	LUFT Diesel or 8015 DRO or C13-C40	VOCs by GCMS: 8260 or 624	VOCs by GCMS: BTEX, OXYs	SVOCS: 8270 or 825	Pest. &/or PCBs: 608 or 8081/8082	PA by 8260	C1 - C6 by 8015				
001	Ambient Blank		6/24/2009	7:30	Vapor	Bulb																	
002	SG-113		6/24/2009	8:10	Vapor	Bulb												X					
003	SG-114		6/24/2009	8:40	Vapor	Bulb												X					
004	SG-115		6/24/2009	9:12	Vapor	Bulb												X					
005	SG-116		6/24/2009	9:41	Vapor	Bulb												X					
006	SG-117		6/24/2009	10:10	Vapor	Bulb												X					
007	SG-118		6/24/2009	10:37	Vapor	Bulb												X					
008	SG-119		6/24/2009	11:07	Vapor	Bulb												X					
009	SG-120		6/24/2009	11:36	Vapor	Bulb												X					
010	SG-120-DUP		6/24/2009	11:36	Vapor	Bulb												X					
1) Relinquished by: (Supplier's Signature) <i>[Signature]</i>		Date: 6/24/09		Time: 1515		3) Relinquished by:		Date:		Time:		5) Relinquished by:		Date:		Time:		6) Received for Laboratory by:		Date:		Time:	
2) Received by: <i>[Signature]</i>		Date: 6/24/09		Time: 1515		4) Received by:		Date:		Time:		6) Received for Laboratory by:		Date:		Time:		Disposal: <input type="radio"/> Return <input type="radio"/> Lab Disposal		Unless other arrangements are made samples will be disposed of 60 days after receipt.			
Samples Chilled <input type="radio"/> Yes <input type="radio"/> No		Custody Seals <input type="radio"/> Yes <input type="radio"/> No		Temp C <input checked="" type="radio"/> Yes <input type="radio"/> No		Delivery <input type="radio"/> Courier <input type="radio"/> Walk In <input type="radio"/> UPS/Feed Ex		Report Delivery Formats <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS		<input type="checkbox"/> EDD, Type		<input type="checkbox"/> EDF, EPA Site ID											
Laboratory Notes:																							



Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

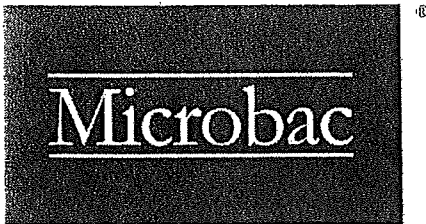
Chain of Custody Record

Microbac WO#
090600444

Page 2 of 2

www.microbac.com social@microbac.com

Project No:		Project Name: Playa Del Rey Storage Facility		Analyses Requested (circle appropriate)												Turn Around <input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other															
Project Manager: Allen Blodgett		Phone: 17146677147		Address: (Report and Billing) 2020 E. 1ST ST., STE. 400		Preserved		Chem: BOD, TSS, TDS, pH		Chem: Cyanide, Ammonia, TKN, Oil & Grease		IC: Br, SO4, PO4, NO3, Cl		Metals: Title 22(CAM) or RCRA		LUFF Gas or 8015 GRO or C4-C12		LUFF Diesel or 8015 DRO or C13-C40		VOCs by GCMS: 8260 or 624		VOCs by GCMS: BTEX, OXYs		SVOCs: 8270 or 625		Pest. &/or PCBs: 608 or 8081/8082		IPA by 8260		C1 - C6 by 8015	
Customer Name: (Report and Billing) URS CORPORATION		Email:		SANTA ANA, CA 92705																											
Lab # (Lab use only)	Sample ID (As it should appear on report)	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type																									
011	SG-121		6/24/2009	12:53	Vapor	Bulb																									
012	SG-122		6/24/2009	13:22	Vapor	Bulb																									
013	SG-123		6/24/2009	13:50	Vapor	Bulb																									
014	SG-124		6/24/2009	14:16	Vapor	Bulb																									
015	SG-125		6/24/2009	14:40	Vapor	Bulb																									
016	SG-126		6/24/2009	15:02	Vapor	Bulb																									
017	SG-126-DUP		6/24/2009	15:02	Vapor	Bulb																									
1) Relinquished by: (Sampler's Signature) <i>[Signature]</i>		Date: 6/24/09		Time: 1515		3) Relinquished by:		Date:		Time:		5) Relinquished by:		Date:		Time:		6) Received for Laboratory by:		Date:		Time:		Disposal: <input type="radio"/> Return <input type="radio"/> Lab Disposal		Unless other arrangements are made samples will be disposed of 60 days after receipt.					
2) Received by: <i>[Signature]</i>		Date: 6/24/09		Time: 1515		4) Received by:		Date:		Time:		Report Delivery Formats <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type _____ <input type="checkbox"/> EDF, EPA Site ID _____		Delivery <input type="radio"/> Courier <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex		Samples Chilled <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		Custody Seals <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No		Temp C _____		Laboratory Notes:									

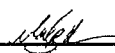


Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CASE NARRATIVE

Authorized Signature Name / Title (print)	Mark Horan, Division Manager
Signature / Date	 Mark Horan, Division Manager 07/31/2009 15:05:13
Laboratory Job No. (Certificate of Analysis No.)	0906-00477
Project Name / No.	Playa Del Rey Storage Facility
Dates Sampled (from/to)	06/25/09 To 06/25/09
Dates Received (from/to)	06/25/09 To 06/25/09
Dates Reported (from/to)	06/26/09 To 07/31/09
Chains of Custody Received	Yes

Comments:

Subcontracting Organic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

Sample	Analyte	Q	Result	Units	RL	Sample	Analyte	Q	Result	Units	RL
Ambient Blank	Ethane	J	1.4	ppmv	3.0	Ambient Blank	Methane		30	ppmv	15
SG-127	Methane		26	ppmv	15	SG-128	Methane		650	ppmv	15
SG-129	Methane		41	ppmv	15	SG-130	Methane		26	ppmv	15
SG-131	Methane		27	ppmv	15	SG-132	Methane		30	ppmv	15
SG-133	Ethane	J	2.3	ppmv	3.0	SG-133	Methane		600	ppmv	15
SG-133	Propane	J	1.0	ppmv	1.5	SG-133	TPH (C6+)		2.0	ppmv	1.5
SG-134	Methane		20	ppmv	15	SG-134-DUP	Methane		19	ppmv	15
SG-135	Methane		33	ppmv	15	SG-136	Ethane	J	1.5	ppmv	3.0
SG-136	Methane		110	ppmv	15	SG-136	Propane	J	0.55	ppmv	1.5
SG-137	Methane		16000	ppmv	15	SG-137	N-Butane	J	0.60	ppmv	1.5
SG-137	Propane		1.6	ppmv	1.5	SG-137	TPH (C6+)		24	ppmv	1.5
SG-138	Methane		30	ppmv	15	SG-139	Ethane		4600	ppmv	3.0
SG-139	Isobutane		140	ppmv	1.5	SG-139	Methane		210000	ppmv	15
SG-139	N-Butane	J	0.65	ppmv	1.5	SG-139	N-Hexane		2.6	ppmv	1.5
SG-139	Pentane		4.8	ppmv	1.5	SG-139	Propane		6.8	ppmv	1.5
SG-139	TPH (C6+)		2.9	ppmv	1.5						

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373.
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00477

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

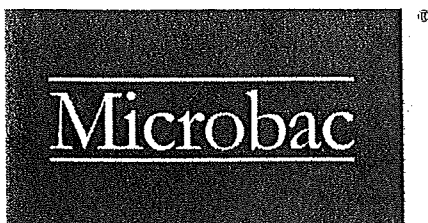
Date Reported 06/26/09
 Date Received 06/25/09
 Invoice No. 54114
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 Ambient Blank										
Date & Time Sampled: 06/25/09 @ 7:40										
[C1-C6]										
Methane	30		ppmv	EPA 8015B	1	10	15	06/25/09	6:12	JCT
Ethane	1.4	J	ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/25/09	6:12	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
Sample: 002 SG-127										
Date & Time Sampled: 06/25/09 @ 8:21										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	26		ppmv	EPA 8015B	1	10	15	06/25/09	6:12	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/25/09	6:12	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/25/09	6:23	JCT
Sample: 003 SG-128										
Date & Time Sampled: 06/25/09 @ 8:56										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	650		ppmv	EPA 8015B	1	10	15	06/25/09	6:12	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00477

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/26/09
 Date Received 06/25/09
 Invoice No. 54114
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SG-128 Date & Time Sampled: 06/25/09 @ 8:56										
Purge Volume Sampled: 3										
.....continued										
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/25/09	6:12	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/25/09	6:23	JCT
Sample: 004 SG-129 Date & Time Sampled: 06/25/09 @ 9:24										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	41		ppmv	EPA 8015B	1	10	15	06/25/09	6:12	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/25/09	6:12	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/25/09	6:23	JCT
Sample: 005 SG-130 Date & Time Sampled: 06/25/09 @ 9:54										
Purge Volume Sampled: 3										
[C1-C6]										



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES ·
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00477

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/26/09
 Date Received 06/25/09
 Invoice No. 54114
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SG-130 Date & Time Sampled: 06/25/09 @ 9:54										
Purge Volume Sampled: 3										
.....continued										
Methane	26		ppmv	EPA 8015B	1	10	15	06/25/09	6:12	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/25/09	6:12	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/25/09	6:23	JCT

Sample: 006 SG-131 Date & Time Sampled: 06/25/09 @ 10:32										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	27		ppmv	EPA 8015B	1	10	15	06/25/09	6:12	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/25/09	6:12	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/25/09	6:23	JCT

Sample: 007 SG-132 Date & Time Sampled: 06/25/09 @ 11:02										
--	--	--	--	--	--	--	--	--	--	--

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER





Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00477

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

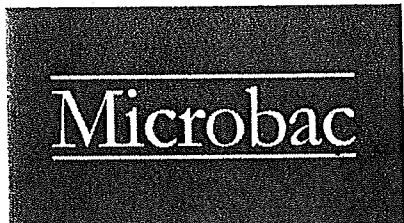
Date Reported 06/26/09
 Date Received 06/25/09
 Invoice No. 54114
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SG-132 Date & Time Sampled: 06/25/09 @ 11:02										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	30		ppmv	EPA 8015B	1	10	15	06/25/09	6:12	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/25/09	6:12	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/25/09	6:23	JCT
Sample: 008 SG-133 Date & Time Sampled: 06/25/09 @ 11:29										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	600		ppmv	EPA 8015B	1	10	15	06/25/09	6:12	JCT
Ethane	2.3	J	ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Propane	1.0	J	ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/25/09	6:12	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
TPH (C6+)	2.0		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/25/09	6:23	JCT
Sample: 009 SG-134 Date & Time Sampled: 06/25/09 @ 11:58										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00477

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/26/09
 Date Received 06/25/09
 Invoice No. 54114
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

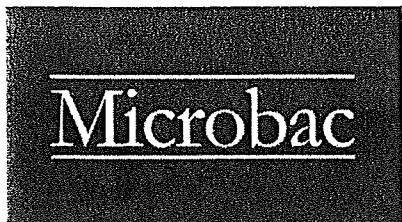
Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 SG-134 Date & Time Sampled: 06/25/09 @ 11:58										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	20		ppmv	EPA 8015B	1	10	15	06/25/09	6:12	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/25/09	6:12	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/25/09	6:23	JCT

Sample: 010 SG-134-DUP Date & Time Sampled: 06/25/09 @ 11:58										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	19		ppmv	EPA 8015B	1	10	15	06/25/09	6:12	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/25/09	6:12	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/25/09	6:23	JCT

Sample: 011 SG-135 Date & Time Sampled: 06/25/09 @ 12:50										
--	--	--	--	--	--	--	--	--	--	--

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research





Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00477

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/26/09
 Date Received 06/25/09
 Invoice No. 54114
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SG-135										
Date & Time Sampled: 06/25/09 @ 12:50										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	33		ppmv	EPA 8015B	1	10	15	06/25/09	6:12	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/25/09	6:12	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/25/09	6:23	JCT

Sample: 012 SG-136										
Date & Time Sampled: 06/25/09 @ 13:22										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	110		ppmv	EPA 8015B	1	10	15	06/25/09	6:12	JCT
Ethane	1.5	J	ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Propane	0.55	J	ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/25/09	6:12	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/25/09	6:23	JCT

Sample: 013 SG-137										
Date & Time Sampled: 06/25/09 @ 13:50										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00477

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

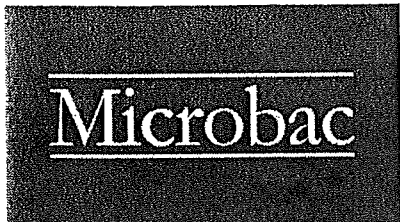
Date Reported 06/26/09
 Date Received 06/25/09
 Invoice No. 54114
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 013 SG-137								Date & Time Sampled: 06/25/09 @ 13:50		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	16000		ppmv	EPA 8015B	1	10	15	06/25/09	6:12	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Propane	1.6		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
N-Butane	0.60	J	ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/25/09	6:12	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
TPH (C6+)	24		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/25/09	6:23	JCT
Sample: 014 SG-138								Date & Time Sampled: 06/25/09 @ 14:22		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	30		ppmv	EPA 8015B	1	10	15	06/25/09	6:12	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/25/09	6:12	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/25/09	6:23	JCT
Sample: 015 SG-139								Date & Time Sampled: 06/25/09 @ 14:55		

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00477

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/26/09
 Date Received 06/25/09
 Invoice No. 54114
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 015 SG-139 Date & Time Sampled: 06/25/09 @ 14:55										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	210000		ppmv	EPA 8015B	1	10	15	06/25/09	6:12	JCT
Ethane	4600		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/25/09	6:12	JCT
Propane	6.8		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/25/09	6:12	JCT
Isobutane	140		ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
N-Butane	0.65	J	ppmv	EPA 8015B	1	0.37	1.5	06/25/09	6:12	JCT
Pentane	4.8		ppmv	EPA 8015B	1	0.36	1.5	06/25/09	6:12	JCT
N-Hexane	2.6		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
TPH (C6+)	2.9		ppmv	EPA 8015B	1	0.40	1.5	06/25/09	6:12	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/25/09	6:23	JCT

Respectfully Submitted:

Mark Horan - Division Manager

QUALIFIERS

- B = Detected in the associated Method Blank at a concentration above the routine RL.
- B1 = BOD dilution water is over specifications . The reported result may be biased high.
- D = Surrogate recoveries are not calculated due to sample dilution.
- E = Estimated value; Value exceeds calibration level of instrument.
- H = Analyte was prepared and/or analyzed outside of the analytical method holding time
- I = Matrix Interference.
- J = Analyte concentration detected between RL and MDL.
- Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
- S = Customer provided specification limit exceeded.

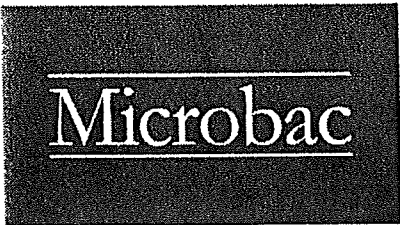
ABBREVIATIONS

- DF = Dilution Factor
- RL = Reporting Limit, Adjusted by DF
- MDL = Method Detection Limit, Adjusted by DF
- Qual = Qualifier
- Tech = Technician

As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.





Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 92507
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

QUALITY CONTROL DATA REPORT

URS CORPORATION
 SANTA ANA, CA 92705

0906-00477

Date Reported 06/26/2009
 Date Received 06/25/2009
 Date Sampled 06/25/2009
 Invoice No. 54114
 Customer # 1930
 Customer P.O.

Project: Playa Del Rey Storage Facility

Method # EPA 8015B
 QC Reference # 14585 Date Analyzed: 6/25/2009 Technician: JCT
 Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015

Results

	LCS %REC	LCS %DUP	LCS %RPD
Ethane	95	90	6
Methane	89	107	18
N-Butane	91	89	2
N-Hexane	110	103	6
Pentane	99	94	5
Propane	90	87	4

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25

Method # EPA 8260B
 QC Reference # 14586 Date Analyzed: 6/25/2009 Technician: JCT
 Samples 002 003 004 005 006 007 008 009 010 011 012 013 014 015

No QC recoveries reported.

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
14585	Ethane	<1.26		ppmv	1.26						
	Methane	<10		ppmv	10						
	N-Butane	<0.37		ppmv	0.37						
	N-Hexane	<0.40		ppmv	0.40						
	Pentane	<0.36		ppmv	0.36						
	Propane	<0.43		ppmv	0.43						
14586	Isopropanol (IPA)	<0.50		µg/L	0.50						

RESPECTFULLY SUBMITTED:

MICROBAC LABORATORIES, INC.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.

Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

Microbac WO#

090600477

www.microbac.com social@microbac.com

Page 1 of 2



Project No:		Project Name:		Turn Around																					
Project Manager:		Playa Del Rey Storage Facility		<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other																					
Customer Name:		Address:		Special Instructions																					
URS CORPORATION		2020 E. 1ST ST., STE. 400		-PRIOR approval, additional fee, work received after 4 pm will be processed next work day.																					
Email:		SANTA ANA, CA 92705		Special Instructions																					
Phone:		Container # & Type		C1 - C6 by 8015																					
Fax:		Bulb		IPA by 8260																					
		Bulb		Pest. &/or PCBs: 608 or 8081/8082																					
		Bulb		SVOCs: 8270 or 625																					
		Bulb		VOCs by GC/MS: BTEX, OXYs																					
		Bulb		VOCs by GC/MS: 8260 or 624																					
		Bulb		L/FT Diesel or 8015 DRO or C13-C40																					
		Bulb		L/FT Gas or 8015 GRO or C4-C12																					
		Bulb		Metals: Title 22(CAM) or RCRA																					
		Bulb		IC: Br, SO4, PO4, NO3, Cl																					
		Bulb		Chem: Cyanide, Ammonia, TKN, Oil & Grease																					
		Bulb		Chem: BOD, TSS, TDS, pH																					
		Bulb		Micro: Plate Cnt, Coliform, E.Coli																					
		Bulb		Preserved																					
Lab #	Sample ID	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	Micro	Chem	Chem	IC	Metals	L/FT Gas	L/FT Diesel	VOCs by GC/MS	VOCs by GC/MS	SVOCs	Pest. &/or PCBs	IPA	Special Instructions						
001	Ambient Blank		6/25/2009	7:40	Vapor	Bulb																			
002	SG-127		6/25/2009	8:21	Vapor	Bulb																			
003	SG-128		6/25/2009	8:56	Vapor	Bulb																			
004	SG-129		6/25/2009	9:24	Vapor	Bulb																			
005	SG-130		6/25/2009	9:54	Vapor	Bulb																			
006	SG-131		6/25/2009	10:32	Vapor	Bulb																			
007	SG-132		6/25/2009	11:02	Vapor	Bulb																			
008	SG-133		6/25/2009	11:29	Vapor	Bulb																			
009	SG-134		6/25/2009	11:58	Vapor	Bulb																			
010	SG-134-DUP		6/25/2009	11:58	Vapor	Bulb																			
1) Backlogging fee (Sampler's Signature)		Date: 6/25/09		Time: 1520		3) Relinquished by:		Date:		Time:		5) Relinquished by:		Date:		Time:		6) Received for Laboratory by:		Date:		Time:		Disposal	
2) Recovery fee (Sampler's Signature)		Date: 6/25/09		Time: 1520		4) Received by:		Date:		Time:		6) Received for Laboratory by:		Date:		Time:		Disposal		<input type="radio"/> Return <input type="radio"/> Lab Disposal		Unless other arrangements are made samples will be disposed of 60 days after receipt.			
Samples Chilled		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		Custody Seals		<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input type="radio"/> No		Samples Intact		<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Courier <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex		Temp C		<input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type <input type="checkbox"/> EDF, EPA Site ID		Report Delivery Formats		<input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type <input type="checkbox"/> EDF, EPA Site ID							
Laboratory Notes:																									

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

White Copy - Original (Accompanies Samples) Yellow Copy - Microbac Files Pink Copy - Client Copy



Southern California Division
 1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

Chain of Custody Record

Microbac WO#

090600477

www.microbac.com

socal@microbac.com

Page 2 of 2

Project No:				Project Name:				Analyses Requested (circle appropriate)										Turn Around			
Project Manager:				Playa Del Rey Storage Facility				Preserved										<input type="radio"/> 24hr RUSH* <input type="radio"/> 48hr RUSH* <input type="radio"/> Normal <input type="radio"/> Other			
Phone:				Fax:				*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.													
Allen Blodgett				17146677147				Special Instructions													
Customer Name: (Report and Billing)				Address: (Report and Billing)																	
URS CORPORATION				2020 E. 1ST ST., STE. 400																	
Email:				SANTA ANA, CA 92705																	
Lab # (Lab use only)	Sample ID (As it should appear on report)	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	IC: Br, SO ₄ , PO ₄ , NO ₃ , Cl	Chem: Cyanide, Ammonia, TKN, Oil & Grease	Chem: BOD, TSS, TDS, PH	Micro: Plate Cnt, Coliform, E.Coli	Metal: Title 22(CAM) or RCRA	LUFT Gas or 8015 GRO or C4-C12	LUFT Diesel or 8015 DRO or C13-C40	VOCS by GCMS: 8260 or 624	VOCS by GCMS: BTEX, OXYs	SVOCs: 8270 or 625	Pest. &/or PCBs: 608 or 8081/8082	IPA by 8260	C1 - C6 by 8015		
011	SG-135		6/25/2009	12:50	Vapor	Bulb												X	X		
012	SG-136		6/25/2009	13:22	Vapor	Bulb												X	X		
013	SG-137		6/25/2009	13:50	Vapor	Bulb												X	X		
014	SG-138		6/25/2009	14:22	Vapor	Bulb												X	X		
015	SG-139		6/25/2009	14:55	Vapor	Bulb												X	X		
1) Relinquished by: (Sampler's Signature)		Date: 6/25/09		Time: 1520		3) Relinquished by:		Date:		Time:		5) Relinquished by:		Date:		Time:		Disposal			
2) Received by:		Date: 6/25/09		Time: 1520		4) Received by:		Date:		Time:		6) Received for Laboratory by:		Date:		Time:		<input type="radio"/> Return <input type="radio"/> Lab Disposal		Unless other arrangements are made samples will be disposed of 60 days after receipt.	
<input type="radio"/> Samples Chilled <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> From Field		<input type="radio"/> Custody Seals <input type="radio"/> Yes <input checked="" type="radio"/> No		<input type="radio"/> Samples Intact <input checked="" type="radio"/> Yes <input type="radio"/> No		Delivery <input type="radio"/> Courier <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex		Report Delivery Formats <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> FDD, Type _____ <input type="checkbox"/> EDF, EPA Site ID _____													

Laboratory Notes:

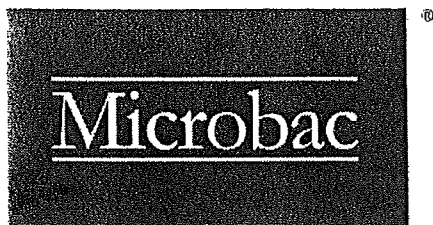
CHEMISTRY - MICROBIOLOGY - FOOD SAFETY - CONSUMER PRODUCTS - MOBILE LABORATORIES - PHARMACEUTICALS - NUTRACEUTICALS - COSMETICS

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

White Copy - Original (Accompanies Samples)

Yellow Copy - Microbac Files

Pink Copy - Client Copy



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122


CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CASE NARRATIVE

Authorized Signature Name / Title (print)

Mark Horan, Division Manager

Signature / Date

 Mark Horan, Division Manager
 07/31/2009 15:05:58

Laboratory Job No. (Certificate of Analysis No.)

0906-00488

Project Name / No.

Playa Del Rey Storage Facility

Dates Sampled (from/to)

06/26/09 To 06/26/09

Dates Received (from/to)

06/26/09 To 06/26/09

Dates Reported (from/to)

06/29/09 To 07/31/09

Chains of Custody Received

Yes

Comments:

Subcontracting

Organic Analyses

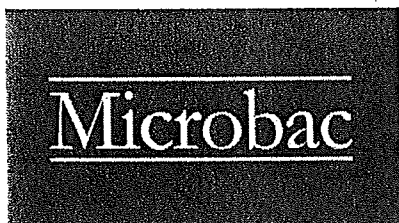
No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

Sample	Analyte	Q	Result	Units	RL	Sample	Analyte	Q	Result	Units	RL
Ambient Blank	Methane		24	ppmv	15	SG-140	Ethane		7900	ppmv	3.0
SG-140	Isobutane		320	ppmv	1.5	SG-140	Methane		370000	ppmv	15
SG-140	N-Butane		47	ppmv	1.5	SG-140	N-Hexane		16	ppmv	1.5
SG-140	Pentane		29	ppmv	1.5	SG-140	Propane		380	ppmv	1.5
SG-140	TPH (C6+)		34	ppmv	1.5	SG-141	Ethane		13000	ppmv	3.0
SG-141	Isobutane		61	ppmv	1.5	SG-141	Methane		450000	ppmv	15
SG-141	N-Butane	J	0.61	ppmv	1.5	SG-141	N-Hexane	J	1.4	ppmv	1.5
SG-141	Pentane		2.5	ppmv	1.5	SG-141	Propane		11	ppmv	1.5
SG-141	TPH (C6+)		20	ppmv	1.5	SG-142	Ethane		20	ppmv	3.0
SG-142	Isobutane	J	0.44	ppmv	1.5	SG-142	Methane		1100	ppmv	15
SG-142	Propane	J	0.47	ppmv	1.5	SG-143	Methane		22	ppmv	15
SG-144	Methane		25	ppmv	15	SG-144-DUP	Methane		23	ppmv	15
SG-145	Methane		18	ppmv	15	SG-146	Methane		17	ppmv	15
SG-147	Methane	J	13	ppmv	15	SG-148	Methane		16	ppmv	15
SG-149	Methane	J	10	ppmv	15	SG-150	Methane	J	12	ppmv	15
SG-150-DUP	Methane	J	13	ppmv	15						



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00488

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/29/09
 Date Received 06/26/09
 Invoice No. 54153
 Cust # 1930
 Permit Number
 Customer P.O.

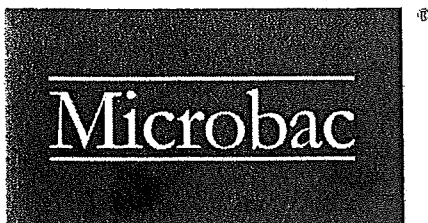
Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 001 Ambient Blank								Date & Time Sampled: 06/26/09 @ 7:27		
[C1-C6]										
Methane	24		ppmv	EPA 8015B	1	10	15	06/26/09	6:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/26/09	6:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
Sample: 002 SG-140								Date & Time Sampled: 06/26/09 @ 8:34		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	370000		ppmv	EPA 8015B	1	10	15	06/26/09	6:34	JCT
Ethane	7900		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Propane	380		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Isobutane	320		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
N-Butane	47		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
Pentane	29		ppmv	EPA 8015B	1	0.36	1.5	06/26/09	6:34	JCT
N-Hexane	16		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
TPH (C6+)	34		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/26/09	6:16	JCT
Sample: 003 SG-141								Date & Time Sampled: 06/26/09 @ 9:27		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	450000		ppmv	EPA 8015B	1	10	15	06/26/09	6:34	JCT
Ethane	13000		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00488

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/29/09
 Date Received 06/26/09
 Invoice No. 54153
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 003 SG-141 Date & Time Sampled: 06/26/09 @ 9:27										
Purge Volume Sampled: 3										
.....continued										
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Propane	11		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Isobutane	61		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
N-Butane	0.61	J	ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
Pentane	2.5		ppmv	EPA 8015B	1	0.36	1.5	06/26/09	6:34	JCT
N-Hexane	1.4	J	ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
TPH (C6+)	20		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/26/09	6:16	JCT
Sample: 004 SG-142 Date & Time Sampled: 06/26/09 @ 10:09										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	1100		ppmv	EPA 8015B	1	10	15	06/26/09	6:34	JCT
Ethane	20		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Propane	0.47	J	ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Isobutane	0.44	J	ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/26/09	6:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/26/09	6:16	JCT
Sample: 005 SG-143 Date & Time Sampled: 06/26/09 @ 10:38										
Purge Volume Sampled: 3										
[C1-C6]										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing · Food Sanitation Consulting · Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00488

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

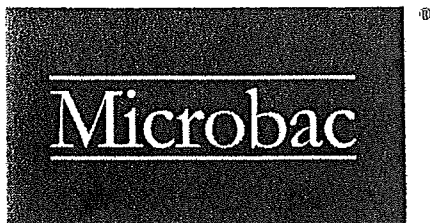
Date Reported 06/29/09
 Date Received 06/26/09
 Invoice No. 54153
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 005 SG-143 Date & Time Sampled: 06/26/09 @ 10:38 Purge Volume Sampled: 3continued										
Methane	22		ppmv	EPA 8015B	1	10	15	06/26/09	6:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/26/09	6:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/26/09	6:16	JCT
Sample: 006 SG-144 Date & Time Sampled: 06/26/09 @ 11:17 Purge Volume Sampled: 3										
[C1-C6]										
Methane	25		ppmv	EPA 8015B	1	10	15	06/26/09	6:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/26/09	6:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/26/09	6:16	JCT
Sample: 007 SG-144-DUP Date & Time Sampled: 06/26/09 @ 11:17										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00488

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/29/09
 Date Received 06/26/09
 Invoice No. 54153
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 007 SG-144-DUP										
Date & Time Sampled: 06/26/09 @ 11:17										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	23		ppmv	EPA 8015B	1	10	15	06/26/09	6:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/26/09	6:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/26/09	6:16	JCT
Sample: 008 SG-145										
Date & Time Sampled: 06/26/09 @ 12:13										
Purge Volume Sampled: 3										
[C1-C6]										
Methane	18		ppmv	EPA 8015B	1	10	15	06/26/09	6:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/26/09	6:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/26/09	6:16	JCT
Sample: 009 SG-146										
Date & Time Sampled: 06/26/09 @ 12:39										

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00488

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

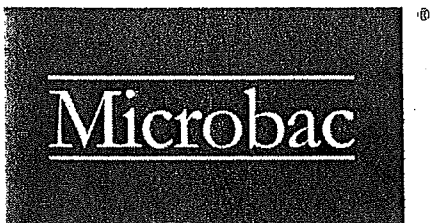
Date Reported 06/29/09
 Date Received 06/26/09
 Invoice No. 54153
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 009 SG-146								Date & Time Sampled: 06/26/09 @ 12:39		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	17		ppmv	EPA 8015B	1	10	15	06/26/09	6:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/26/09	6:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/26/09	6:16	JCT
Sample: 010 SG-147								Date & Time Sampled: 06/26/09 @ 13:04		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	13	J	ppmv	EPA 8015B	1	10	15	06/26/09	6:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/26/09	6:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/26/09	6:16	JCT
Sample: 011 SG-148								Date & Time Sampled: 06/26/09 @ 13:31		

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.
 USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00488

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/29/09
 Date Received 06/26/09
 Invoice No. 54153
 Cust # 1930
 Permit Number
 Customer P.O.

Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tech
Sample: 011 SG-148								Date & Time Sampled: 06/26/09 @ 13:31		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	16		ppmv	EPA 8015B	1	10	15	06/26/09	6:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/26/09	6:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/26/09	6:16	JCT
Sample: 012 SG-149								Date & Time Sampled: 06/26/09 @ 13:56		
Purge Volume Sampled: 3										
[C1-C6]										
Methane	10	J	ppmv	EPA 8015B	1	10	15	06/26/09	6:34	JCT
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/26/09	6:34	JCT
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT
[VOCs by GCMS]										
[VOC Vapor Sampling Tracer]										
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/26/09	6:16	JCT
Sample: 013 SG-150								Date & Time Sampled: 06/26/09 @ 14:23		

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER
ACIL



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

CERTIFICATE OF ANALYSIS

0906-00488

URS CORPORATION
 2020 E. 1ST ST., STE. 400
 SANTA ANA, CA 92705

Date Reported 06/29/09
 Date Received 06/26/09
 Invoice No. 54153
 Cust # 1930
 Permit Number
 Customer P.O.

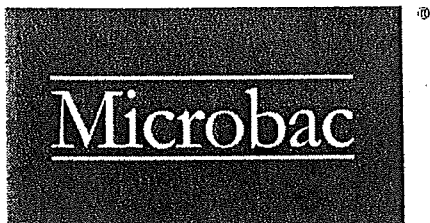
Project: Playa Del Rey Storage Facility

Analysis	Result	Qual	Units	Method	DF	MDL	RL	Date	Time	Tecl	
Sample: 013 SG-150								Date & Time Sampled: 06/26/09 @ 14:23			
Purge Volume Sampled: 3											
[C1-C6]											
Methane	12	J	ppmv	EPA 8015B	1	10	15	06/26/09	6:34	JCT	
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT	
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT	
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT	
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT	
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT	
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT	
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/26/09	6:34	JCT	
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT	
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT	
[VOCs by GCMS]											
[VOC Vapor Sampling Tracer]											
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/26/09	6:16	JCT	
Sample: 014 SG-150-DUP								Date & Time Sampled: 06/26/09 @ 14:23			
Purge Volume Sampled: 3											
[C1-C6]											
Methane	13	J	ppmv	EPA 8015B	1	10	15	06/26/09	6:34	JCT	
Ethane	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT	
Ethene	<3.0		ppmv	EPA 8015B	1	1.26	3.0	06/26/09	6:34	JCT	
Propane	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT	
Propene	<1.5		ppmv	EPA 8015B	1	0.43	1.5	06/26/09	6:34	JCT	
Isobutane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT	
N-Butane	<1.5		ppmv	EPA 8015B	1	0.37	1.5	06/26/09	6:34	JCT	
Pentane	<1.5		ppmv	EPA 8015B	1	0.36	1.5	06/26/09	6:34	JCT	
N-Hexane	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT	
TPH (C6+)	<1.5		ppmv	EPA 8015B	1	0.40	1.5	06/26/09	6:34	JCT	
[VOCs by GCMS]											
[VOC Vapor Sampling Tracer]											
Isopropanol (IPA)	<10		µg/L	EPA 8260B	10	0.50	10	06/26/09	6:16	JCT	

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.

USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

MEMBER

Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 9250
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
ELAP#s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

Respectfully Submitted:


 Mark Horan - Division Manager

QUALIFIERS

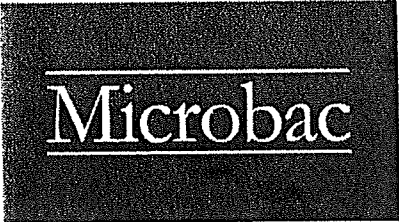
B = Detected in the associated Method Blank at a concentration above the routine RL.
 B1 = BOD dilution water is over specifications. The reported result may be biased high.
 D = Surrogate recoveries are not calculated due to sample dilution.
 E = Estimated value; Value exceeds calibration level of instrument.
 H = Analyte was prepared and/or analyzed outside of the analytical method holding time
 I = Matrix Interference.
 J = Analyte concentration detected between RL and MDL.
 Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
 S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
 RL = Reporting Limit, Adjusted by DF
 MDL = Method Detection Limit, Adjusted by DF
 Qual = Qualifier
 Tech = Technician

As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.



Microbac Laboratories, Inc.
 SOUTHERN CALIFORNIA DIVISION
 1401 RESEARCH PARK DRIVE, SUITE 100
 RIVERSIDE CA, 92507
 951-779-0310 FAX 951-779-0344
 www.microbac.com social@microbac.com

FDA#	2030513
LA City#	10159
BLAP#'s	2373
	2562
	2665
	2479
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · CONSUMER PRODUCTS · MOBILE LABORATORIES
 WATER · AIR · SOIL · WASTES · FOOD · PHARMACEUTICALS · NUTRACEUTICALS · COSMETICS

QUALITY CONTROL DATA REPORT

URS CORPORATION
 SANTA ANA, CA 92705

0906-00488

Date Reported 06/29/2009
 Date Received 06/26/2009
 Date Sampled 06/26/2009
 Invoice No. 54153
 Customer # 1930
 Customer P.O.

Project: Playa Del Rey Storage Facility

Method # EPA 8015B
 QC Reference # 14630 Date Analyzed: 6/26/2009 Technician: JCT

Samples 001 002 003 004 005 006 007 008 009 010 011 012 013 014

Results

	LCS %REC	LCS %DUP	LCS %RPD
Ethane	97	103	6
Methane	89	92	4
N-Butane	95	100	6
N-Hexane	108	118	9
Pentane	100	107	6
Propane	94	100	6

Control Ranges

LCS %REC	LCS %RPD
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25
70 - 130	0 - 25

Method # EPA 8260B
 QC Reference # 14631 Date Analyzed: 6/26/2009 Technician: JCT

Samples 002 003 004 005 006 007 008 009 010 011 012 013 014

No QC recoveries reported.

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
14630	Ethane	<1.26		ppmv	1.26						
	Methane	<10		ppmv	10						
	N-Butane	<0.37		ppmv	0.37						
	N-Hexane	<0.40		ppmv	0.40						
	Pentane	<0.36		ppmv	0.36						
	Propane	<0.43		ppmv	0.43						
14631	Isopropanol (IPA)	<0.50		µg/L	0.50						

RESPECTFULLY SUBMITTED:

[Signature]
 MICROBAC LABORATORIES, INC.

For any feedback concerning our services, please contact Mark Horan, the Division Manager at 951.779.0310. You may also contact both Trevor Boyce, President and Robert Morgan, Chief Operating Officer at president@microbac.com.

1401 Research Park Drive, Suite 100
 Riverside, CA 92507
 V: 951.779.0310 • 800.798.9336 F: 951.779.0344
 3299 Hill Street, Suite 305
 Signal Hill, CA 90755
 V: 562.498.7005 F: 562.498.8617

www.microbac.com

socal@microbac.com

Microbac W/O#

090600488

Page **1** of **2**

Project No:		Project Name: Playa Del Rey Storage Facility		Preserved		Analyses Requested (circle appropriate)								Turn Around											
Project Manager: Allen Blodgett		Phone: 17146677147		Address: (Report and Billing) 2020 E. 1ST ST., STE. 400		IC: Br, SO ₄ , PO ₄ , NO ₃ , Cl		Metals: Title 22(CAM) or RCRA		LUF Gas or 8015 GRO or C4-C12		LUF Diesel or 8015 DRO or C13-C40		VOCs by GCMS: 8260 or 624		VOCs by GCMS: BTEX, OXYS		SVOCs: 8270 or 625		Pest &/or PCBs: 608 or 8081/8082		IPA by B260		C1-C6 by 8015	
Customer Name: (Report and Billing) URS CORPORATION		Email:		Address: (Report and Billing) SANTA ANA, CA 92705		Chem: BOD, TSS, TDS, pH		Chem: Cyanide, Ammonia, TKN, Oil & Grease														*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.		Special Instructions	
Lab # (Lab use only)	Sample ID (As it should appear on report)	Grab/Comp	Date sampled	Time sampled	Sample matrix	Container # & Type																			
001	Ambient Blank		6/26/2009	7:27	Vapor	Bulb																			
002	SG-140		6/26/2009	8:34	Vapor	Bulb																			
003	SG-141		6/26/2009	9:27	Vapor	Bulb																			
004	SG-142		6/26/2009	10:09	Vapor	Bulb																			
005	SG-143		6/26/2009	10:38	Vapor	Bulb																			
006	SG-144		6/26/2009	11:17	Vapor	Bulb																			
007	SG-144-DUP		6/26/2009	11:17	Vapor	Bulb																			
008	SG-145		6/26/2009	12:13	Vapor	Bulb																			
009	SG-146		6/26/2009	12:39	Vapor	Bulb																			
010	SG-147		6/26/2009	13:04	Vapor	Bulb																			
1) Relinquished by (Sampler's Signature)		Date:	Time:	3) Relinquished by:		Date:	Time:	5) Relinquished by:		Date:	Time:	6) Received for Laboratory by:		Date:	Time:	Disposal:									
<i>[Signature]</i>		6/26/09	1435													Return									
<i>[Signature]</i>		6/26/09	1435													Lab Disposal									
Samples Chilled <input type="radio"/> Yes <input type="radio"/> No		Custody Seals <input type="radio"/> Yes <input checked="" type="radio"/> No		Samples Intact <input checked="" type="radio"/> Yes <input type="radio"/> No		Delivery <input type="radio"/> Courier <input type="radio"/> Walk In <input type="radio"/> UPS/Fed Ex		Temp C		Report Delivery Formats <input type="checkbox"/> Paper <input type="checkbox"/> EMAIL <input type="checkbox"/> XLS <input type="checkbox"/> EDD, Type <input type="checkbox"/> EDF, EPA Site ID															
From Field <input checked="" type="radio"/>		Laboratory Notes:																							

Appendix B
Data Validation Memorandum



Data Validation Memorandum

3500 Porsche Way, Suite 300
Ontario, CA 91764
Tel : (909) 980-4000
Fax : (909) 980-1399

TO: Allen Blodgett **FILE:** 29868671.30000
FROM: Lily Bayati, Ontario QA/QC Group **SITE:** Sempra Playa Del Rey
DATE: August 3, 2009
SUBJECT: Summary of Data Validation for Microbac Reports: 0906-00204, 0906-00224, 0906-00249, 0906-00270, 0906-00283, 0906-00311, 0906-00344, 0906-00360, 0906-00393, 0906-00415, 0906-00444, 906-00477, and 0906-00488

Introduction

This report summarizes the findings of the limited validation (completeness check) of 176 soil gas samples (including 16 field duplicates) and 13 ambient air blanks. These samples were collected between June 10, and 26, 2009 as part of Sempra Playa Del Rey Storage Facility Soil Gas Monitoring Event. Microbac Laboratories, Inc. in Riverside, CA analyzed all the samples. The samples were analyzed on-site for fixed gases and TPH-C6+ (EPA 8015B modified). The samples are listed in Table 1 included at the end of this document. The data were reviewed in accordance with URS standard operating procedures, Advisory-Active Soil Gas Investigations (DTSC LARWQCB 2003), and the principles presented in *USEPA National Functional Guidelines for Laboratory Data Review, Organics* (EPA, 1999).

Executive Summary

All samples were analyzed as requested and all holding times were met. The low-level results for methane in most samples were qualified as anomalous (U) due to traces of methane present in ambient air blanks. In addition, the results for ethane for six samples were qualified as anomalous (U) due to ambient air blank contamination. No other data were qualified. Overall, based on this limited validation covering the QC parameters listed below, the data, as qualified are useable for their intended purpose.

1.0 Fixed Gases, TPH-C6+ (EPA 8015B Modified)

Hundred and seventy-six soil gas samples and 13 ambient air blanks were analyzed on-site for fixed gases and TPH-C6+ (EPA method 8015B modified). The data were reviewed to evaluate compliance with this method and the quality of the data reported. This data review process did not include result recalculation or transcription error checking from the raw data. The following summarizes the results of this review.

The areas of review are listed below. A check mark (✓) indicates an area of review in which all data were acceptable. A crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Data Completeness
- ✓ Holding Times
- ✓ Tracer Compound
- ⊗ Blanks
- ✓ Laboratory Control Samples (LCS)
- ✓ Field Duplicates
- ✓ Analyte Identification and Quantitation

1.1 Overall Assessment

The data reported in this package, as qualified, are considered to be usable for meeting project objectives. All results are considered to be valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis, for the project is 100%. Additionally, because all samples in this data set were collected and analyzed under similar prescribed conditions, the data within this set are considered to be comparable.

1.2 Data Completeness

All analyses were performed as requested on the chain-of-custody records (COCs). The laboratory reported all requested analyses and the deliverable data reports were complete.

1.3 Holding Times

All analyses were performed within the method-specified holding times.

1.4 Tracer Compound

The Tracer Compound (TC) isopropanol was analyzed by EPA 8260B. The TC was not detected above the reporting limit for each sample.

1.5 Blanks

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed. Target analytes were not detected in the associated method blanks. In addition, target analytes were not detected in the ambient air blanks with the following exceptions.

Ambient Blank (Date Sampled)	Parameter	Concentration (ppmv)	Qualified Samples	Qualifier
6/10/09	Methane	37	All samples with the following exceptions: SG-064-1PV, SG-064-3PV, SG-064-7PV SG-064A-1PV SG-064A-3PV SG-064A-7PV, SG-065, SG-115, SG-128 SG-133, SG-137, SG-139 SG-140, SG-141 SG-142	U
6/11/09		18		
6/12/09		27		
6/15/09		33		
6/16/09		31		
6/17/09		23		
6/18/09		28		
6/19/09		18		
6/22/09		31		
6/23/09		30		
6/24/09		24		
6/25/09		30		
6/26/09		24		
6/15/09	TPH- C6+	0.91	None	NA
6/16/09	Ethane	1.5	SG-049, SG-051, SG-052, SG-053	U
6/22/09		1.4	None	NA
6/25/09		1.4	SG-133, SG-136	U

1.6 Laboratory Control Samples (LCS)

LCSs were prepared in duplicate and analyzed at the proper frequency. All LCS/LCSD recoveries reported and the relative percent differences (RPDs) between the results were within the laboratory's acceptance ranges. These LCS results indicate that the level of accuracy demonstrated by the analytical method with respect to a clean sample matrix is acceptable.

1.7 Field Duplicates

Sixteen field duplicate pairs were submitted to the laboratory for analysis. Acceptable field and analytical precision was demonstrated for all analytes for all field duplicate pairs.

1.8 Analyte Identification and Quantitation

All analytes reported and the detection limits obtained comply with project specifications. All dilutions were appropriate.

Table 1
Microbac Laboratories, Inc.

Sample	SDG	Sample Number	Date Sampled	Analysis Performed
Ambient Blank	0906-00204	0906-00204-001	06/10/09	EPA 8015B
SG-001-1PV	0906-00204	0906-00204-02	06/10/09	EPA 8015B, 8260B
SG-001-3PV	0906-00204	0906-00204-003	06/10/09	EPA 8015B, 8260B
SG-001-7PV	0906-00204	0906-00204-004	06/10/09	EPA 8015B, 8260B
SG-002	0906-00204	0906-00204-005	06/10/09	EPA 8015B, 8260B
SG-003	0906-00204	0906-00204-006	06/10/09	EPA 8015B, 8260B
SG-004	0906-00204	0906-00204-007	06/10/09	EPA 8015B, 8260B
SG-005	0906-00204	0906-00204-008	06/10/09	EPA 8015B, 8260B
SG-006-1PV	0906-00204	0906-00204-009	06/10/09	EPA 8015B, 8260B
SG-006-3PV	0906-00204	0906-00204-010	06/10/09	EPA 8015B, 8260B
SG-006-7PV	0906-00204	0906-00204-011	06/10/09	EPA 8015B, 8260B
SG-006-9PV	0906-00204	0906-00204-012	06/10/09	EPA 8015B, 8260B
SG-007	0906-00204	0906-00204-013	06/10/09	EPA 8015B, 8260B
SG-007-DUP (Field Duplicate of SG-007)	0906-00204	0906-00204-014	06/10/09	EPA 8015B, 8260B
Ambient Blank	0906-00224	0906-00224-001	06/11/09	EPA 8015B
SG-008	0906-00224	0906-00224-002	06/11/09	EPA 8015B, 8260B
SG-009	0906-00224	0906-00224-003	06/11/09	EPA 8015B, 8260B
SG-010	0906-00224	0906-00224-004	06/11/09	EPA 8015B, 8260B
SG-011	0906-00224	0906-00224-005	06/11/09	EPA 8015B, 8260B
SG-012	0906-00224	0906-00224-006	06/11/09	EPA 8015B, 8260B
SG-014	0906-00224	0906-00224-007	06/11/09	EPA 8015B, 8260B
SG-015	0906-00224	0906-00224-008	06/11/09	EPA 8015B, 8260B
SG-016	0906-00224	0906-00224-009	06/11/09	EPA 8015B, 8260B
SG-013	0906-00224	0906-00224-010	06/11/09	EPA 8015B, 8260B
SG-017	0906-00224	0906-00224-011	06/11/09	EPA 8015B, 8260B
SG-018	0906-00224	0906-00224-012	06/11/09	EPA 8015B, 8260B
SG-018-DUP (Field Duplicate of SG-018)	0906-00224	0906-00224-013	06/11/09	EPA 8015B, 8260B
SG-019	0906-00224	0906-00224-014	06/11/09	EPA 8015B, 8260B
SG-020	0906-00224	0906-00224-015	06/11/09	EPA 8015B, 8260B
SG-021	0906-00224	0906-00224-016	06/11/09	EPA 8015B, 8260B
Ambient Blank	0906-00249	0906-00249-001	06/12/09	EPA 8015B
SG-022	0906-00249	0906-00249-002	06/12/09	EPA 8015B, 8260B
SG-023	0906-00249	0906-00249-003	06/12/09	EPA 8015B, 8260B
SG-024	0906-00249	0906-00249-004	06/12/09	EPA 8015B, 8260B
SG-025	0906-00249	0906-00249-005	06/12/09	EPA 8015B, 8260B
SG-026	0906-00249	0906-00249-006	06/12/09	EPA 8015B, 8260B
SG-027	0906-00249	0906-00249-007	06/12/09	EPA 8015B, 8260B
SG-027-DUP (Field Duplicate of SG-027)	0906-00249	0906-00249-008	06/12/09	EPA 8015B, 8260B
SG-028	0906-00249	0906-00249-009	06/12/09	EPA 8015B, 8260B
SG-029	0906-00249	0906-00249-010	06/12/09	EPA 8015B, 8260B
SG-030	0906-00249	0906-00249-011	06/12/09	EPA 8015B, 8260B
SG-031	0906-00249	0906-00249-012	06/12/09	EPA 8015B, 8260B
SG-032	0906-00249	0906-00249-013	06/12/09	EPA 8015B, 8260B
SG-033	0906-00249	0906-00249-014	06/12/09	EPA 8015B, 8260B

Table 1
Microbac Laboratories, Inc.

Sample	SDG	Sample Number	Date Sampled	Analysis Performed
SG-034	0906-00249	0906-00249-015	06/12/09	EPA 8015B, 8260B
SG-035	0906-00249	0906-00249-016	06/12/09	EPA 8015B, 8260B
Ambient Blank	0906-00270	0906-00270-001	06/15/09	EPA 8015B
SG-036	0906-00270	0906-00270-002	06/15/09	EPA 8015B, 8260B
SG-037	0906-00270	0906-00270-003	06/15/09	EPA 8015B, 8260B
SG-038	0906-00270	0906-00270-004	06/15/09	EPA 8015B, 8260B
SG-039	0906-00270	0906-00270-005	06/15/09	EPA 8015B, 8260B
SG-040	0906-00270	0906-00270-006	06/15/09	EPA 8015B, 8260B
SG-041	0906-00270	0906-00270-007	06/15/09	EPA 8015B, 8260B
SG-042	0906-00270	0906-00270-008	06/15/09	EPA 8015B, 8260B
SG-042-DUP (Field Duplicate of SG-042)	0906-00270	0906-00270-009	06/15/09	EPA 8015B, 8260B
SG-043	0906-00270	0906-00270-010	06/15/09	EPA 8015B, 8260B
SG-044	0906-00270	0906-00270-011	06/15/09	EPA 8015B, 8260B
SG-045	0906-00270	0906-00270-012	06/15/09	EPA 8015B, 8260B
SG-046	0906-00270	0906-00270-013	06/15/09	EPA 8015B, 8260B
SG-047	0906-00270	0906-00270-014	06/15/09	EPA 8015B, 8260B
SG-048	0906-00270	0906-00270-015	06/15/09	EPA 8015B, 8260B
SG-048-DUP (Field Duplicate of SG-048)	0906-00270	0906-00270-016	06/15/09	EPA 8015B, 8260B
Ambient Blank	0906-00283	0906-00283-001	06/16/09	EPA 8015B
SG-049	0906-00283	0906-00283-002	06/16/09	EPA 8015B, 8260B
SG-050	0906-00283	0906-00283-003	06/16/09	EPA 8015B, 8260B
SG-051	0906-00283	0906-00283-004	06/16/09	EPA 8015B, 8260B
SG-052	0906-00283	0906-00283-005	06/16/09	EPA 8015B, 8260B
SG-053	0906-00283	0906-00283-006	06/16/09	EPA 8015B, 8260B
SG-054	0906-00283	0906-00283-007	06/16/09	EPA 8015B, 8260B
SG-055	0906-00283	0906-00283-008	06/16/09	EPA 8015B, 8260B
SG-055-DUP (Field Duplicate of SG-055)	0906-00283	0906-00283-009	06/16/09	EPA 8015B, 8260B
SG-056	0906-00283	0906-00283-010	06/16/09	EPA 8015B, 8260B
SG-057	0906-00283	0906-00283-011	06/16/09	EPA 8015B, 8260B
SG-058	0906-00283	0906-00283-012	06/16/09	EPA 8015B, 8260B
SG-059	0906-00283	0906-00283-013	06/16/09	EPA 8015B, 8260B
SG-060	0906-00283	0906-00283-014	06/16/09	EPA 8015B, 8260B
SG-061	0906-00283	0906-00283-015	06/16/09	EPA 8015B, 8260B
SG-062	0906-00283	0906-00283-016	06/16/09	EPA 8015B, 8260B
Ambient Blank	0906-00311	0906-00311-001	06/17/09	EPA 8015B
SG-063	0906-00311	0906-00311-002	06/17/09	EPA 8015B, 8260B
SG-064-1PV	0906-00311	0906-00311-003	06/17/09	EPA 8015B, 8260B
SG-064-3PV	0906-00311	0906-00311-004	06/17/09	EPA 8015B, 8260B
SG-064-7PV	0906-00311	0906-00311-005	06/17/09	EPA 8015B, 8260B
SG-064A-1PV	0906-00311	0906-00311-006	06/17/09	EPA 8015B, 8260B
SG-064A-3PV	0906-00311	0906-00311-007	06/17/09	EPA 8015B, 8260B
SG-064A-7PV	0906-00311	0906-00311-008	06/17/09	EPA 8015B, 8260B
Ambient Blank	0906-00344	0906-00344-001	06/18/09	EPA 8015B

Table 1
Microbac Laboratories, Inc.

Sample	SDG	Sample Number	Date Sampled	Analysis Performed
SG-065	0906-00344	0906-00344-002	06/18/09	EPA 8015B, 8260B
SG-066	0906-00344	0906-00344-003	06/18/09	EPA 8015B, 8260B
SG-067	0906-00344	0906-00344-004	06/18/09	EPA 8015B, 8260B
SG-068	0906-00344	0906-00344-005	06/18/09	EPA 8015B, 8260B
SG-069	0906-00344	0906-00344-006	06/18/09	EPA 8015B, 8260B
SG-070	0906-00344	0906-00344-007	06/18/09	EPA 8015B, 8260B
SG-071	0906-00344	0906-00344-008	06/18/09	EPA 8015B, 8260B
SG-072	0906-00344	0906-00344-009	06/18/09	EPA 8015B, 8260B
SG-073	0906-00344	0906-00344-010	06/18/09	EPA 8015B, 8260B
SG-074	0906-00344	0906-00344-011	06/18/09	EPA 8015B, 8260B
SG-075	0906-00344	0906-00344-012	06/18/09	EPA 8015B, 8260B
SG-076	0906-00344	0906-00344-013	06/18/09	EPA 8015B, 8260B
SG-076-DUP (Field Duplicate of SG-076)	0906-00344	0906-00344-014	06/18/09	EPA 8015B, 8260B
Ambient Blank	0906-00360	0906-00360-001	06/19/09	EPA 8015B
SG-077	0906-00360	0906-00360-002	06/19/09	EPA 8015B, 8260B
SG-078	0906-00360	0906-00360-003	06/19/09	EPA 8015B, 8260B
SG-079	0906-00360	0906-00360-004	06/19/09	EPA 8015B, 8260B
SG-079-DUP (Field Duplicate of SG-079)	0906-00360	0906-00360-005	06/19/09	EPA 8015B, 8260B
SG-080	0906-00360	0906-00360-006	06/19/09	EPA 8015B, 8260B
SG-081	0906-00360	0906-00360-007	06/19/09	EPA 8015B, 8260B
SG-082	0906-00360	0906-00360-008	06/19/09	EPA 8015B, 8260B
SG-083	0906-00360	0906-00360-009	06/19/09	EPA 8015B, 8260B
SG-084	0906-00360	0906-00360-010	06/19/09	EPA 8015B, 8260B
SG-085	0906-00360	0906-00360-011	06/19/09	EPA 8015B, 8260B
SG-085-DUP (Field Duplicate of SG-085)	0906-00360	0906-00360-012	06/19/09	EPA 8015B, 8260B
Ambient Blank	0906-00393	0906-00393-001	06/22/09	EPA 8015B
SG-086	0906-00393	0906-00393-002	06/22/09	EPA 8015B, 8260B
SG-087	0906-00393	0906-00393-003	06/22/09	EPA 8015B, 8260B
SG-088	0906-00393	0906-00393-004	06/22/09	EPA 8015B, 8260B
SG-089	0906-00393	0906-00393-005	06/22/09	EPA 8015B, 8260B
SG-090	0906-00393	0906-00393-006	06/22/09	EPA 8015B, 8260B
SG-091	0906-00393	0906-00393-007	06/22/09	EPA 8015B, 8260B
SG-092	0906-00393	0906-00393-008	06/22/09	EPA 8015B, 8260B
SG-093	0906-00393	0906-00393-009	06/22/09	EPA 8015B, 8260B
SG-094	0906-00393	0906-00393-010	06/22/09	EPA 8015B, 8260B
SG-095	0906-00393	0906-00393-011	06/22/09	EPA 8015B, 8260B
SG-096	0906-00393	0906-00393-012	06/22/09	EPA 8015B, 8260B
SG-097	0906-00393	0906-00393-013	06/22/09	EPA 8015B, 8260B
SG-097-DUP (Field Duplicate of SG-097)	0906-00393	0906-00393-014	06/22/09	EPA 8015B, 8260B
Ambient Blank	0906-00415	0906-00415-001	06/23/09	EPA 8015B
SG-098	0906-00415	0906-00415-002	06/23/09	EPA 8015B, 8260B
SG-099	0906-00415	0906-00415-003	06/23/09	EPA 8015B, 8260B
SG-100	0906-00415	0906-00415-004	06/23/09	EPA 8015B, 8260B
SG-101	0906-00415	0906-00415-005	06/23/09	EPA 8015B, 8260B

Table 1
Microbac Laboratories, Inc.

Sample	SDG	Sample Number	Date Sampled	Analysis Performed
SG-102	0906-00415	0906-00415-006	06/23/09	EPA 8015B, 8260B
SG-103	0906-00415	0906-00415-007	06/23/09	EPA 8015B, 8260B
SG-104	0906-00415	0906-00415-008	06/23/09	EPA 8015B, 8260B
SG-105	0906-00415	0906-00415-009	06/23/09	EPA 8015B, 8260B
SG-106	0906-00415	0906-00415-010	06/23/09	EPA 8015B, 8260B
SG-107	0906-00415	0906-00415-011	06/23/09	EPA 8015B, 8260B
SG-108	0906-00415	0906-00415-012	06/23/09	EPA 8015B, 8260B
SG-109	0906-00415	0906-00415-013	06/23/09	EPA 8015B, 8260B
SG-110	0906-00415	0906-00415-014	06/23/09	EPA 8015B, 8260B
SG-111	0906-00415	0906-00415-015	06/23/09	EPA 8015B, 8260B
SG-112	0906-00415	0906-00415-016	06/23/09	EPA 8015B, 8260B
SG-112-DUP (Field Duplicate of SG-112)	0906-00415	0906-00415-017	06/23/09	EPA 8015B, 8260B
Ambient Blank	0906-00444	0906-00444-001	06/24/09	EPA 8015B
SG-113	0906-00444	0906-00444-002	06/24/09	EPA 8015B, 8260B
SG-114	0906-00444	0906-00444-003	06/24/09	EPA 8015B, 8260B
SG-115	0906-00444	0906-00444-004	06/24/09	EPA 8015B, 8260B
SG-116	0906-00444	0906-00444-005	06/24/09	EPA 8015B, 8260B
SG-117	0906-00444	0906-00444-006	06/24/09	EPA 8015B, 8260B
SG-118	0906-00444	0906-00444-007	06/24/09	EPA 8015B, 8260B
SG-119	0906-00444	0906-00444-008	06/24/09	EPA 8015B, 8260B
SG-120	0906-00444	0906-00444-009	06/24/09	EPA 8015B, 8260B
SG-120-DUP (Field Duplicate of SG-120)	0906-00444	0906-00444-010	06/24/09	EPA 8015B, 8260B
SG-121	0906-00444	0906-00444-011	06/24/09	EPA 8015B, 8260B
SG-122	0906-00444	0906-00444-012	06/24/09	EPA 8015B, 8260B
SG-123	0906-00444	0906-00444-013	06/24/09	EPA 8015B, 8260B
SG-124	0906-00444	0906-00444-014	06/24/09	EPA 8015B, 8260B
SG-125	0906-00444	0906-00444-015	06/24/09	EPA 8015B, 8260B
SG-126	0906-00444	0906-00444-016	06/24/09	EPA 8015B, 8260B
SG-126-DUP (Field Duplicate of SG-126)	0906-00444	0906-00444-017	06/24/09	EPA 8015B, 8260B
Ambient Blank	0906-00477	0906-00477-001	06/25/09	EPA 8015B
SG-127	0906-00477	0906-00477-002	06/25/09	EPA 8015B, 8260B
SG-128	0906-00477	0906-00477-003	06/25/09	EPA 8015B, 8260B
SG-129	0906-00477	0906-00477-004	06/25/09	EPA 8015B, 8260B
SG-130	0906-00477	0906-00477-005	06/25/09	EPA 8015B, 8260B
SG-131	0906-00477	0906-00477-006	06/25/09	EPA 8015B, 8260B
SG-132	0906-00477	0906-00477-007	06/25/09	EPA 8015B, 8260B
SG-133	0906-00477	0906-00477-008	06/25/09	EPA 8015B, 8260B
SG-134	0906-00477	0906-00477-009	06/25/09	EPA 8015B, 8260B
SG-134-DUP (Field Duplicate of SG-134)	0906-00477	0906-00477-010	06/25/09	EPA 8015B, 8260B
SG-135	0906-00477	0906-00477-011	06/25/09	EPA 8015B, 8260B
SG-136	0906-00477	0906-00477-012	06/25/09	EPA 8015B, 8260B
SG-137	0906-00477	0906-00477-013	06/25/09	EPA 8015B, 8260B
SG-138	0906-00477	0906-00477-014	06/25/09	EPA 8015B, 8260B

Table 1
Microbac Laboratories, Inc.

Sample	SDG	Sample Number	Date Sampled	Analysis Performed
SG-139	0906-00477	0906-00477-015	06/25/09	EPA 8015B, 8260B
Ambient Blank	0906-00488	0906-00488-001	06/26/09	EPA 8015B
SG-140	0906-00488	0906-00488-002	06/26/09	EPA 8015B, 8260B
SG-141	0906-00488	0906-00488-003	06/26/09	EPA 8015B, 8260B
SG-142	0906-00488	0906-00488-004	06/26/09	EPA 8015B, 8260B
SG-143	0906-00488	0906-00488-005	06/26/09	EPA 8015B, 8260B
SG-144	0906-00488	0906-00488-006	06/26/09	EPA 8015B, 8260B
SG-144-DUP (Field Duplicate of SG-144)	0906-00488	0906-00488-007	06/26/09	EPA 8015B, 8260B
SG-145	0906-00488	0906-00488-008	06/26/09	EPA 8015B, 8260B
SG-146	0906-00488	0906-00488-009	06/26/09	EPA 8015B, 8260B
SG-147	0906-00488	0906-00488-010	06/26/09	EPA 8015B, 8260B
SG-148	0906-00488	0906-00488-011	06/26/09	EPA 8015B, 8260B
SG-149	0906-00488	0906-00488-012	06/26/09	EPA 8015B, 8260B
SG-150	0906-00488	0906-00488-013	06/26/09	EPA 8015B, 8260B
SG-150-DUP (Field Duplicate of SG-150)	0906-00488	0906-00488-014	06/26/09	EPA 8015B, 8260B

Notes:

SDG: Sample Delivery Group
 EPA 8015B: Fixed Gases (Methane, Ethane, Ethene, Propane, Propene, Isobutane, n-Butane, Pentane, n-Hexane), TPH-C6+
 EPA 8260B: Tracer Compound (Isopropanol; IPA)

ATTACHMENT A
DATA VALIDATION QUALIFIER DEFINITIONS AND INTERPRETATION KEY
Assigned by URS's Data Review Team

DATA QUALIFIER DEFINITIONS FOR ORGANIC ANALYSES

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."
- NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

DATA QUALIFIER DEFINITIONS FOR INORGANIC ANALYSES

- U The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The result is an estimated quantity, but the result may be biased high.
- J- The result is an estimated quantity, but the result may be biased low.
- UJ The analyte was analyzed for, but was not detected. The reported sample quantitation limit is approximate and may be inaccurate or imprecise.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control (QC) criteria. The analyte may or may not be present in the sample.

URS DATA QUALIFIER DEFINITIONS — REASON CODE DEFINITIONS

- a Analytical sequence deficiency or omission.
- b Gross compound breakdown (4,4'-DDT/Endrin).
- c Calibration failure; poor or unstable response.
- d Laboratory duplicate imprecision.
- e Laboratory duplicate control sample imprecision.
- f Field duplicate imprecision.
- g Poor chromatography.
- h Holding time violation.
- i Internal standard failure.
- j Poor mass spectrographic performance.
- k Serial dilution imprecision.
- l Laboratory control sample recovery failure.
- m Matrix spike/matrix spike duplicate recovery failure.
- n Interference check sample recovery failure.
- o Calibration blank contamination (metals/inorganics only).
- p Preparation blank contamination (metals/inorganics only).
- q Quantitation outside linear range.
- r Linearity failure in initial calibration.
- s Surrogate spike recovery failure (GC organics and GC/MS organics only).
- t Instrument tuning failure.
- u No valid confirmation column (GC Organics only).
- v Value is estimated below the MDA (Rads only).
- w Retention time (RT) outside of RT window.
- x Field blank contamination.
- y Trip blank contamination.
- z Method blank contamination.

INTERPRETATION KEY

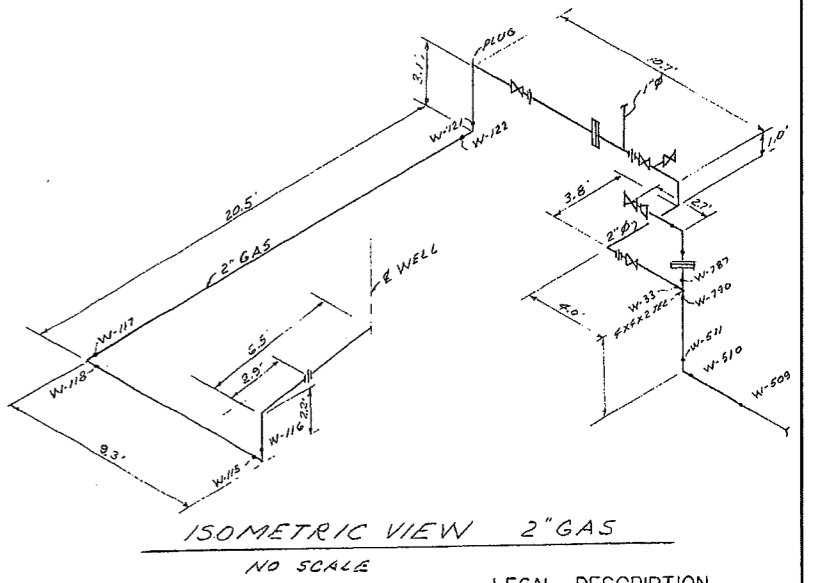
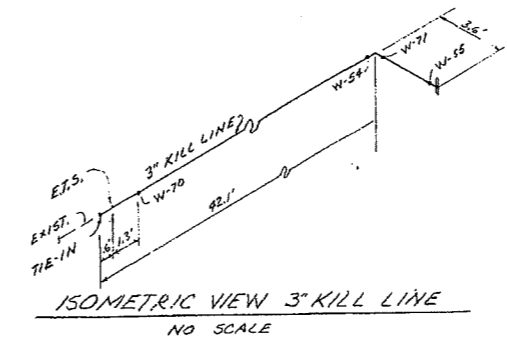
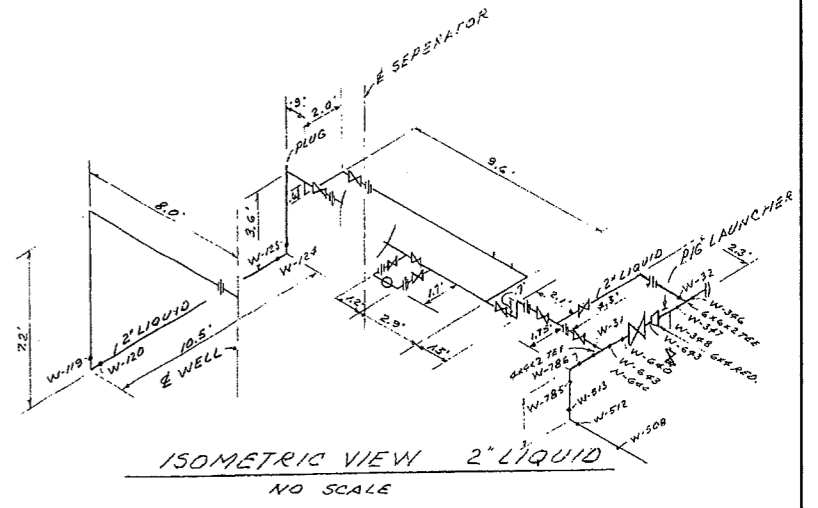
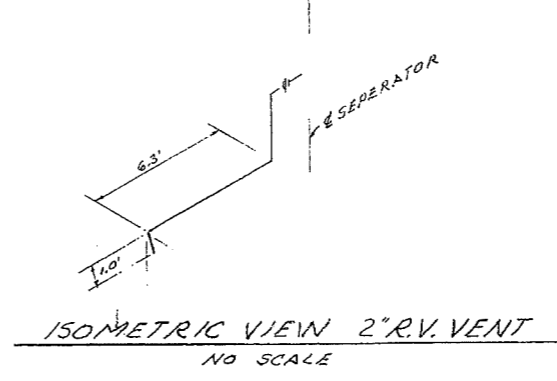
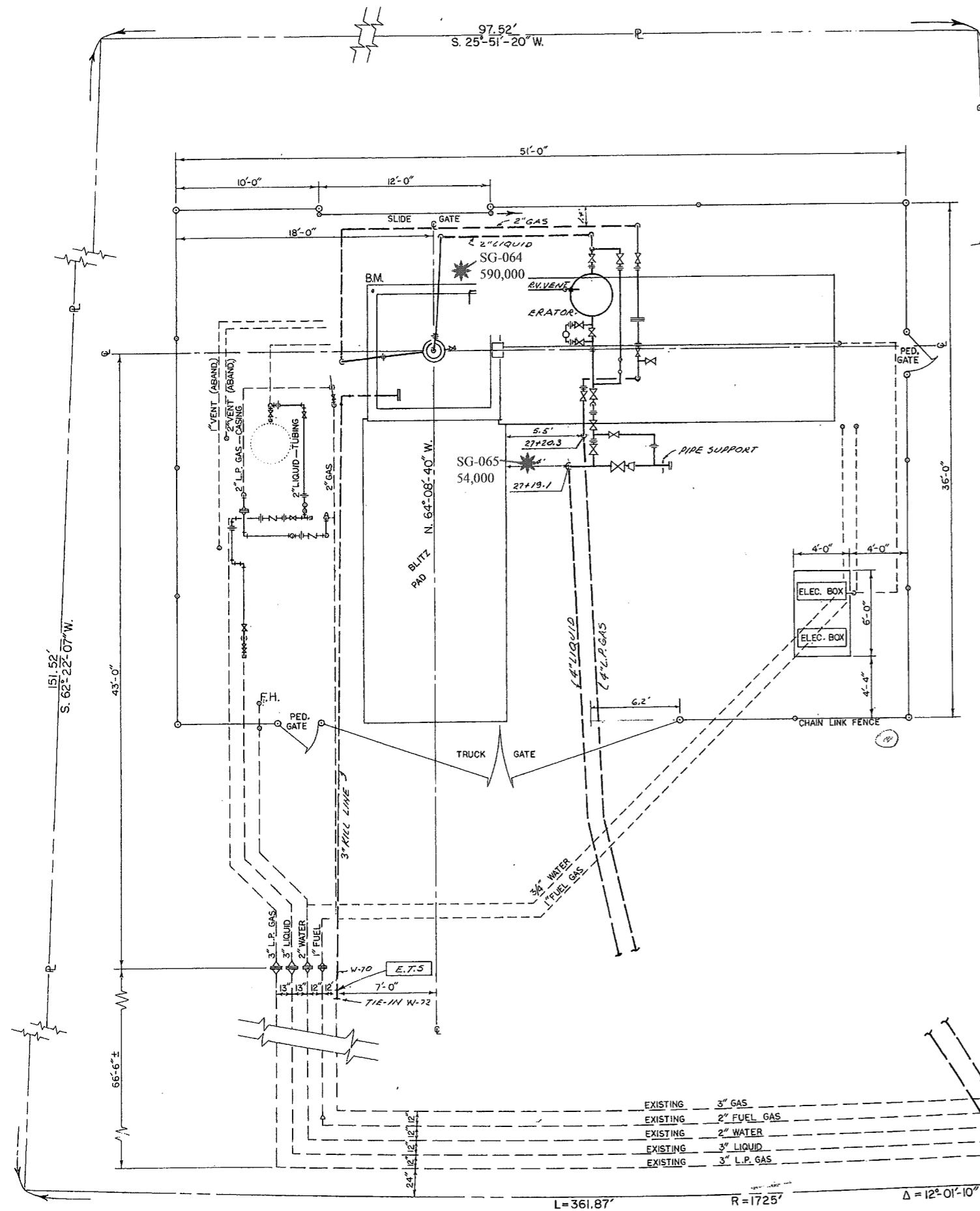
The following example shows how an analytical result which includes qualifiers assigned by both the URS data review team and the analytical laboratory could be displayed in the data tables:

<5.20 Uz | JB

The qualifier assigned by the URS data review team precedes the "|"; the qualifier assigned by the laboratory follows it. In this example, the result is qualified as a non-detection data to the bias introduced by contamination of the associated method blank. Presence of the analyte in the method blank is indicated by the laboratory qualifier (B). The qualifier assigned by the URS data review team (Uz) indicates that the analyte concentration is considered to be below the adjusted detection limit (quantitation limit) based on the level of contamination in the method blank.

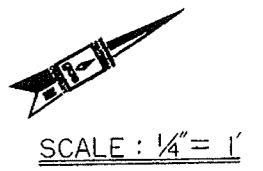
Appendix C

Southern California Gas Company Well Site Maps



LEGAL DESCRIPTION
MARINA DEL REY, L.A. COUNTY

54,000 - METHANE RESULT IN ppmv
(PARTS PER MILLION VOLUME)



WELL SITE PIPING
DEL REY 10

SOUTHERN CALIFORNIA GAS COMPANY
MARINA PIPING PROJECT
G.W.O.#90064, 90071

PHASE I

DEL REY -10

SIZE 24"x36"
90060-018.PLN
SHEET 16

INSTALL MAIN WITH AT LEAST		COVER BELOW		TOTAL FEET INST'D.	
COUNTY	LOS ANGELES	REASON	RETIREMENT	PERMIT ISSUED BY	PERMIT NO.
DISTRICT		REASON		DATE MOVED ON JOB	DATE MOVED OFF JOB
TRACT NO.		YEAR C.P. INSTALLED		CREW FOREMAN	DATE OF OPER.
ATLAS NO.		OPER. 20% OR OVER		COMPANY	
CATHODICALLY PROTECTED	YES <input type="checkbox"/> NO <input type="checkbox"/>	AT LESS THAN 10% S.M.V.S.		STAKED	
				STAKING REQ'D.	
				OPER. STATES NEEDED	
				PD STATES NEEDED	
				REVIEWED BY	
				DATE	
				REVIEWED BY	
				DATE	
				REVIEWED BY	
				DATE	

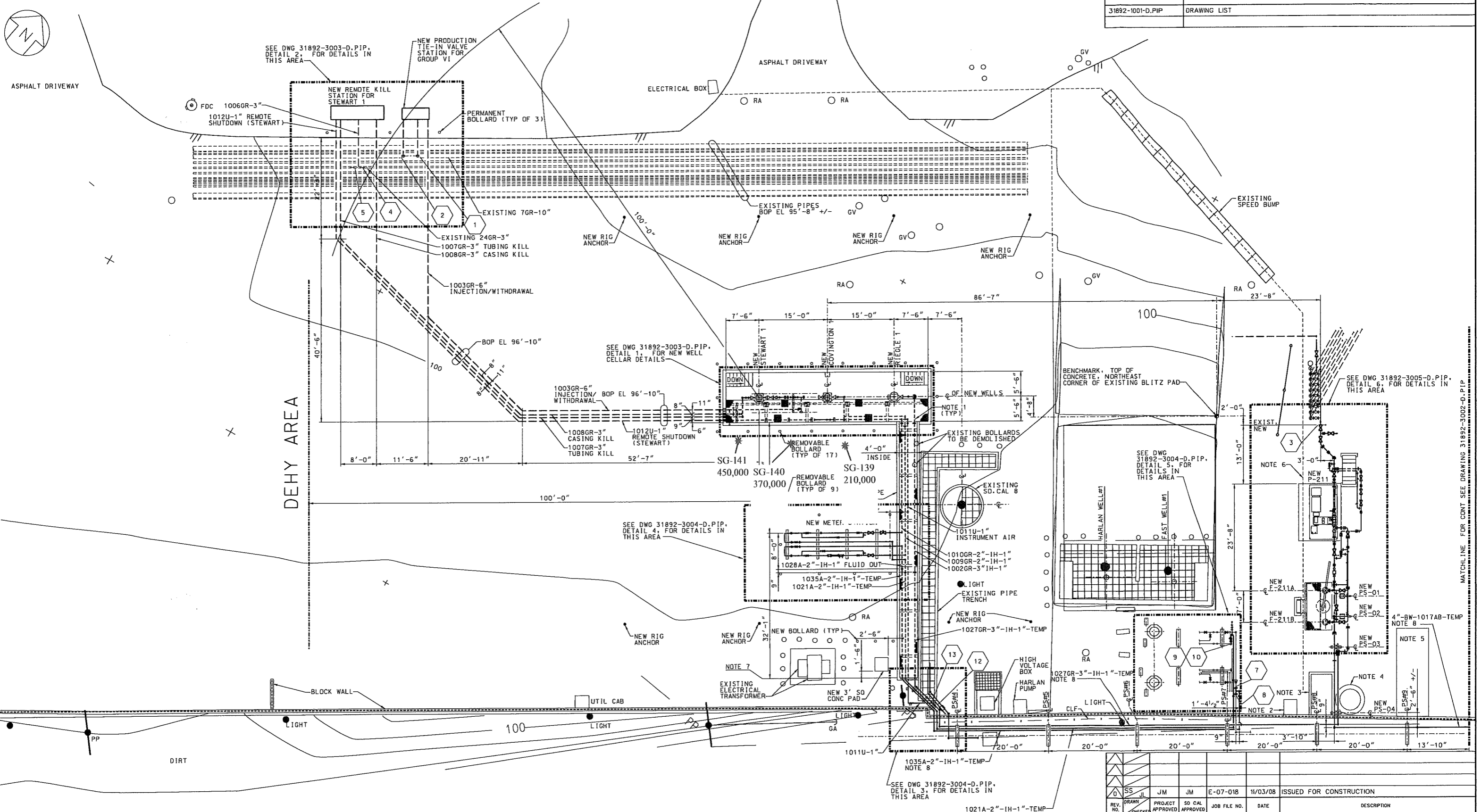
- EXISTING 3" GAS
- EXISTING 2" FUEL GAS
- EXISTING 2" WATER
- EXISTING 3" LIQUID
- EXISTING 3" L.P. GAS

L=361.87' R=1725' Δ=12°01'10"

L=252.50' R=1710' Δ=08°27'37" R/W BDRY.

26+08.2 26+07.2

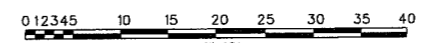
DRAWING NO.	31892-1001-D.PIP	REFERENCE DRAWING DESCRIPTION	
DRAWING LIST			



- NOTES:**
- ALIGNMENT OF NEW PIPE TRENCH MAY NOT BE PERPENDICULAR TO NEW WELL CELLAR. ROTATE PIPING AT ELBOWS AS REQUIRED.
 - FAST #1 ESP P-1 CONTROL PANEL.
 - TRANSFORMER.
 - PORTABLE CHEMICAL STORAGE TANK. FIELD RELOCATE AS REQUIRED TO INSTALL NEW PIPING AND SUPPORTS.
 - ELECTRICAL SWITCH BOARD.
 - (1) 1/2" RGS AND (1) 3/4" RGS EXISTING CONDUIT. RELOCATE AS REQUIRED TO ACCOMMODATE NEW PIPING AND EQUIPMENT.
 - INSIDE OF NEW PIPE TRENCH.
 - U-BOLT PIPE TO UNDERSIDE OF EXISTING SUPPORTS PS#4 THRU PS#20.
- 450,000 - METHANE RESULT IN ppmv (PARTS PER MILLION VOLUME)

STEWART -1, COVINGTON -1 & RIEGEL -1

ISSUED FOR CONSTRUCTION



REV. NO.	0	SS	JM	JM	E-07-018	11/03/08	ISSUED FOR CONSTRUCTION
DRWN	JM	CHKD	JM	PROJECT APPROVED	SO CAL APPROVED	JOB FILE NO.	DATE
CONTRACTOR NAME & PROJECT NUMBER							
BY				DATE			
DESIGNED J. MYERS				11/03/08			
DRAWN S. SALAZAR				11/03/08			
CHKD J. MYERS				11/03/08			
APPRD. J. MYERS				11/03/08			
JOB FILE NO. E-07-018							
W.O.A. 96744/96745/96746				SCALE			
DIST. 113				1"=10'-0"			
CLASS 9B				DRAWING NO. 31892-3001-D.PIP			
				REV. 0			



Southern California Gas Company
GAS ENGINEERING LOS ANGELES
PLAYA DEL REY STORAGE FIELD
2008 WELLSITE EXPANSION
STEWART 1, COVINGTON 1 & RIEGEL 1
PIPING SITE PLAN
SHEET 1

MATCHLINE FOR CONT SEE DRAWING 31892-3002-D.PIP