MONITORING WELL INSTALLATION & FOURTH QUARTER 2002 MONITORING REPORT

PALACE GARAGE
14336 WASHINGTON AVENUE
SAN LEANDRO, CALIFORNIA

Feb 2003

prepared for

Kerry & Associates
151 Callan Avenue
Suite 300
San Leandro, California 94577

prepared by

Professional Service Industries, Inc.
4703 Tidewater Avenue, Suite B
Oakland, California 94601
(510) 434-9200

February 10, 2003
575-2G033

RO-208

psi Information To Build On
Engineering • Consulting • Testing

February 12, 2003

Mr. Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

RE: Monitoring Well Installation & Fourth Quarter 2002 Monitoring Report
Palace Garage
14336 Washington Avenue
San Leandro, California
PSI Project No.: 575-2G033

Dear Mr. Seery:

On behalf of Kerry & Associates, Professional Service Industries, Inc. is pleased to present this Monitoring Well Installation & Fourth Quarter 2002 Monitoring Report in San Leandro, California. PSI refers you to the report for details.

If you have any questions regarding this report or any aspect of the project, please do not hesitate to call.

Respectfully submitted,
PROFESSIONAL SERVICE INDUSTRIES, INC.

Frank R. Poss
Senior Technical Professional

cc: Mr. Jeff Kerry, Kerry & Associates
Mr. Chuck Headlee, RWQCB

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STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

Information provided in Professional Services Industries, Inc., (PSI) report number 575-2G033 is intended exclusively for the Kerry & Associates for the evaluation of soil and groundwater contamination as it pertains to the subject site. PSI is responsible for the facts and accuracy of the data presented herein. The professional services provided have been performed in accordance with practices generally accepted by other geologists, hydrologists, hydrogeologists, engineers, and environmental scientists practicing in this field. No other warranty, either expressed or implied, is made. As with all subsurface investigations, there is no guarantee that the work conducted will identify any and all sources or locations of contamination.

This report is issued with the understanding that Kerry & Associates is responsible for ensuring that the information contained in this report is brought to the attention of the appropriate regulatory agency. This report has been reviewed by a geologist who is registered in the State of California and whose signature and license number appear below.

Frank R. Poss, R.E.A.
Senior Hydrogeologist

Brand Burfield, RG 6986
Senior Geologist

1.0 INTRODUCTION

Professional Service Industries, Inc. (PSI) has been retained by Kerry & Associates to conduct a hazardous-waste site assessment to assess current soil and groundwater conditions at the Palace Garage at 14336 Washington Avenue of San Leandro, California (subject site; Figure 1).

The scope of work for this investigation included:

- Advance two (2) soil borings using direct push drill rig,
- Install one groundwater monitoring well,
- Survey the elevations of the tops of each well casing,
- Perform chemical analysis of soil and groundwater samples,
- Prepare a technical report describing the investigation and interpretation of the data generated.

The scope of work was developed based on the Allcal Environmental Proposed Work Plan for Phase IV Further Assessment, dated September 25, 2001. The Work Plan was approved by Mr. Scott Seery of the Alameda County Health Care Services Agency (AHCSA) in a letter dated October 22, 2001.

1.1 PROJECT OBJECTIVE

The objective of the project is to help define the lateral extent of petroleum hydrocarbons in the soil and groundwater.

1.2 SITE BACKGROUND

PSI has reviewed information provided by Kerry & Associates and understands that a 550-gallon gasoline underground storage tank (UST) was removed from the site in 1991. Subsequent investigations included the installation of 3 monitoring wells and the drilling of 15 borings. Based on data obtained from the wells and borings, impacted unsaturated-zone soil is confined to the area of the former dispenser pad and UST. Groundwater appears to be moving to the southwest along the driveway between the subject site and the northern adjacent property. Historically, TPH-G concentrations at the site have been detected as high as 52 milligrams per liter (mg/l) with benzene concentrations as high as 1.9 mg/l.

2.0 PRE-FIELD ACTIVITIES

Prior to initiation of field activities, PSI marked the drilling locations with white paint and contacted Underground Service Alert a minimum of 48-hours prior to beginning work to locate any potential buried utilities.

Prior to drilling PSI obtained a permit from the AHCSA. A copy of the permit is included in Appendix A.

3.0 SUBSURFACE INVESTIGATION

3.1 SOIL BORINGS

On December 6, 2002, borings SB-16 and SB-17 were drilled at the site. The boring locations are presented in Figure 2. The borings were drilled by V&W Drilling of Rio Vista, California using a Geoprobe drill rig. The borings were advanced to between 20 and 24 feet below ground surface (bgs). Soil samples were collected for lithologic logging purposes. However, the samples collected from the soil/groundwater interface of each boring were submitted to a laboratory for chemical analysis. Fieldwork for drilling and soil sampling activities was conducted in accordance with the field procedures described in Appendix B.

The soil samples collected for chemical analysis were transported under Chain-Of-Custody Protocol to Basic Laboratories, Inc. of Redding, California, a California Department of Health Services certified hazardous materials testing laboratory. The samples were maintained in a cooler with ice, or a refrigerator until delivered to the analytical laboratory. The tests performed and the analytical results are described in Section 4.

3.2 MONITORING WELL INSTALLATION

Based on the ALLCAL Workplan stipulations, PSI converted only one of the borings (SB-16) into a monitoring well (MW-4). Visual and olfactory evidence of petroleum hydrocarbon-impacted groundwater was observed in boring SB-17, so according to the stipulations set forth in the workplan, a monitoring well was not installed.

The well casing consisted of 1-inch inside-diameter Schedule 40 PVC casing with 0.020-inch machine-slotted screen. The sand pack (Monterey-type number 2/12 sand) extended approximately 0.5 foot above the screened interval. Approximately 1 foot of hydrated bentonite chips was placed above the sand pack, and neat cement mixed at a ratio of 5 gallons of water per 94-pound sack of cement was used for the annular seal from the top of the bentonite to approximately 1 foot below grade. A flush-mounted traffic-rated wellhead was mounted in concrete at the top of the well. The well construction log is presented in Appendix C.

The locations and top-of-casing elevations of all four wells were surveyed by Morrow Surveying, a California Licensed Surveyor, on February 5, 2003. A copy of the well survey report can be found in Appendix D.

3.3 GROUNDWATER SAMPLING

On December 31, 2002, groundwater samples were collected from monitoring wells MW-1 through MW-4. Prior to the collection of groundwater samples, the monitoring wells were purged of a minimum of three well volumes of water until pH, conductivity, and temperature stabilized.

The following procedures for well monitoring, well purging, and water sampling were implemented while sampling the wells:

1. All non-dedicated equipment was washed prior to entering the well with an Alconox solution, followed by one tap water rinse and a deionized water rinse.

2. Prior to purging the well and borings, depth to water was measured using a groundwater interface probe to an accuracy of 0.003 meters (0.01 foot). The measurements were made from the top of the well casing on the north side.

3. The monitoring wells were purged of a minimum of three well volumes of water until pH, conductivity, and temperature stabilized. Each well was purged with a new, dedicated, disposable bailer.

4. After purging a water sample was collected from each well. The water collected was immediately decanted into laboratory-supplied, preserved vials and bottles. The containers were overfilled, capped, labeled, and placed in a chilled cooler prior to delivery to the laboratory for analysis.

5. Chain-of-custody procedures, including chain-of-custody forms, were used to document water sample handling and transport from collection to delivery to the laboratory for analysis.

6. Groundwater samples were delivered to the State-certified hazardous waste laboratory within approximately 72-hours of collection.

7. Purged water was contained in a DOT approved 55-gallon drum and left on site pending analysis for proper disposal. The drum was labeled with the contents, date, well number, client name, and project number.

Purge logs are presented in Appendix E.

3.4 HYDROGEOLOGY

3.4.1 Subsurface Exploration

Soils were logged according to the Unified Soil Classification System. The ground surface was covered with a pavement section consisting of approximately 1 inch of asphaltic concrete over 2 inches of aggregate baserock. The subsurface materials encountered consisted of approximately two feet of sandy/clay/clayey sand fill underlain by 10 to 12 two feet of silty clay. Underlying the silty clay was from 6 to 7 feet of clayey or gravelly sand. A more detailed description of subsurface soil encountered is presented in the soil boring logs (Appendix C).

3.4.2 Groundwater Elevation and Hydraulic Gradient

On December 31, 2002, depth to groundwater measurements were obtained from the monitoring wells (MW-1 through MW-4) using a groundwater probe. Floating product was not encountered in any of the wells. The groundwater measurements were converted to groundwater elevation data, which are presented in Table 2 and Figure 2. The calculated groundwater flow direction is to the southwest at a gradient of 0.002.

4.0 LABORATORY ANALYSIS PROGRAM

The soil and groundwater samples collected during this investigation were submitted to Basic Laboratories, Inc., a State of California Department of Health Services certified hazardous waste laboratory.

4.1 SOIL AND GROUNDWATER

The soil and groundwater samples collected for analyses were analyzed for the following constituents:

- EPA Method 8015 modified – TPH-G; and
- EPA Method 8260 – Volatile Organic Compounds (VOCs); including methyl tert butyl ether (MTBE), ethyl dibromide, 1,2 dichloroethane (1,2 DCA), and other oxygenates.

5.0 LABORATORY RESULTS

A summary of the analytical results is presented in Tables 1 and 2. A copy of the laboratory reports and chain-of-custody records are included in Appendix F.

5.1 LABORATORY ANALYTICAL RESULTS - SOIL

The soil analytical results are presented in Table 1. None of the constituents tested were detected in sample SB-16-15. Neither of the soil samples contained detectable concentrations of benzene, toluene, ethylbenzene, and total xylenes (BTEX), or MTBE. TPH-G was detected in soil sample SB-17-19.0 at 0.292 mg/kg. Common constituents of gasoline (n-butylbenzene, isopropylbenzene, etc.) were detected in soil sample SB-17-19.0. None of the compounds had a concentration greater than their respective EPA Region IX Preliminary Remediation Goals (PRGs).

5.2 LABORATORY ANALYTICAL RESULTS - GROUNDWATER

Groundwater samples from the wells were submitted to the laboratory for analysis. The groundwater analytical results are presented in Table 2.

None of the groundwater samples contained detectable concentrations of MTBE. TPH-G was detected in groundwater samples MW-1 and MW-2 at 4.8 and 1.67 milligrams per liter (mg/l). Numerous constituents of gasoline (BTEX, n-butylbenzene, isopropylbenzene, etc) were detected in groundwater samples from MW-1 and MW-2. the following constituents had concentrations greater than the State of California Primary Maximum Contaminant Levels (MCL):

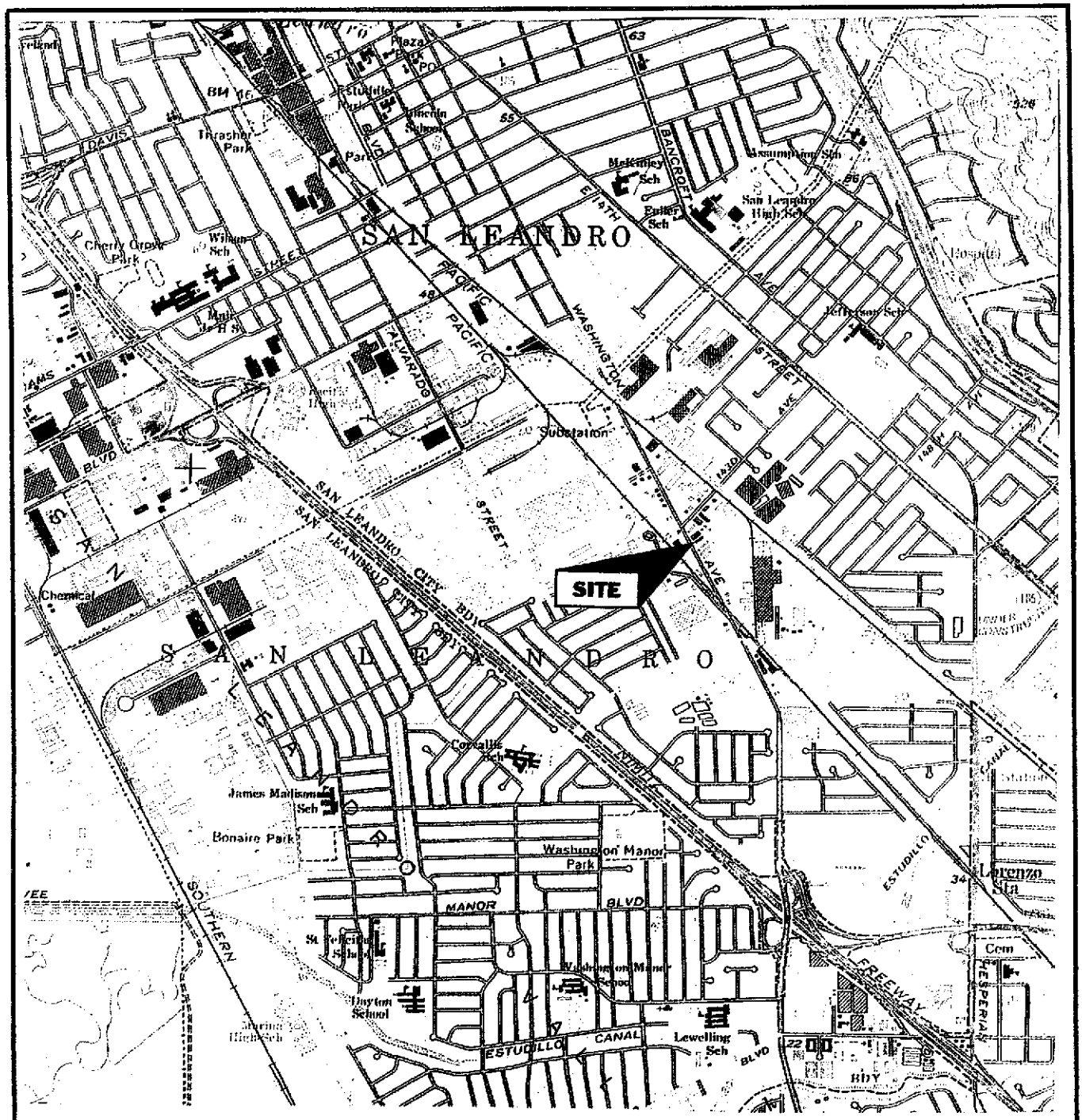
- Benzene (MW1 at 1,030 ug/l, MW2 at 1,030 ug/l) (MCL of 1 ug/l)
- Toluene (MW1 at 2,380 ug/l) (MCL of 150 ug/l)
- Ethylbenzene (MW1 at 1,690 ug/l) (MCL of 700 ug/l)
- Total Xylenes (MW1 at 9,220 ug/l) MCL of 1,750 ug/l)

6.0 CONCLUSIONS & RECOMMENDATIONS

Based on the information presented in this report, the following conclusions have been reached:

- The calculated groundwater flow direction is to the southwest with a hydraulic gradient of approximately 0.002.
- None of the groundwater samples contained detectable concentrations of TPH-G with the exception of MW-1 and MW-2 at 4.8 and 1.67 mg/l, respectively .
- All four BTEX compounds were above the MCL in the groundwater sample collected from MW-1, while only benzene was detected above the MCL in groundwater sample MW-2. BTEX compounds were not detected in the groundwater samples collected from MW-3 and MW-4.
- Based on the concentrations detected in MW-3 and MW-4, the lack of BTEX in the soil sample collected from SB-17, and the calculated flow direction, the down-gradient extent of BTEX impacted groundwater has been defined.

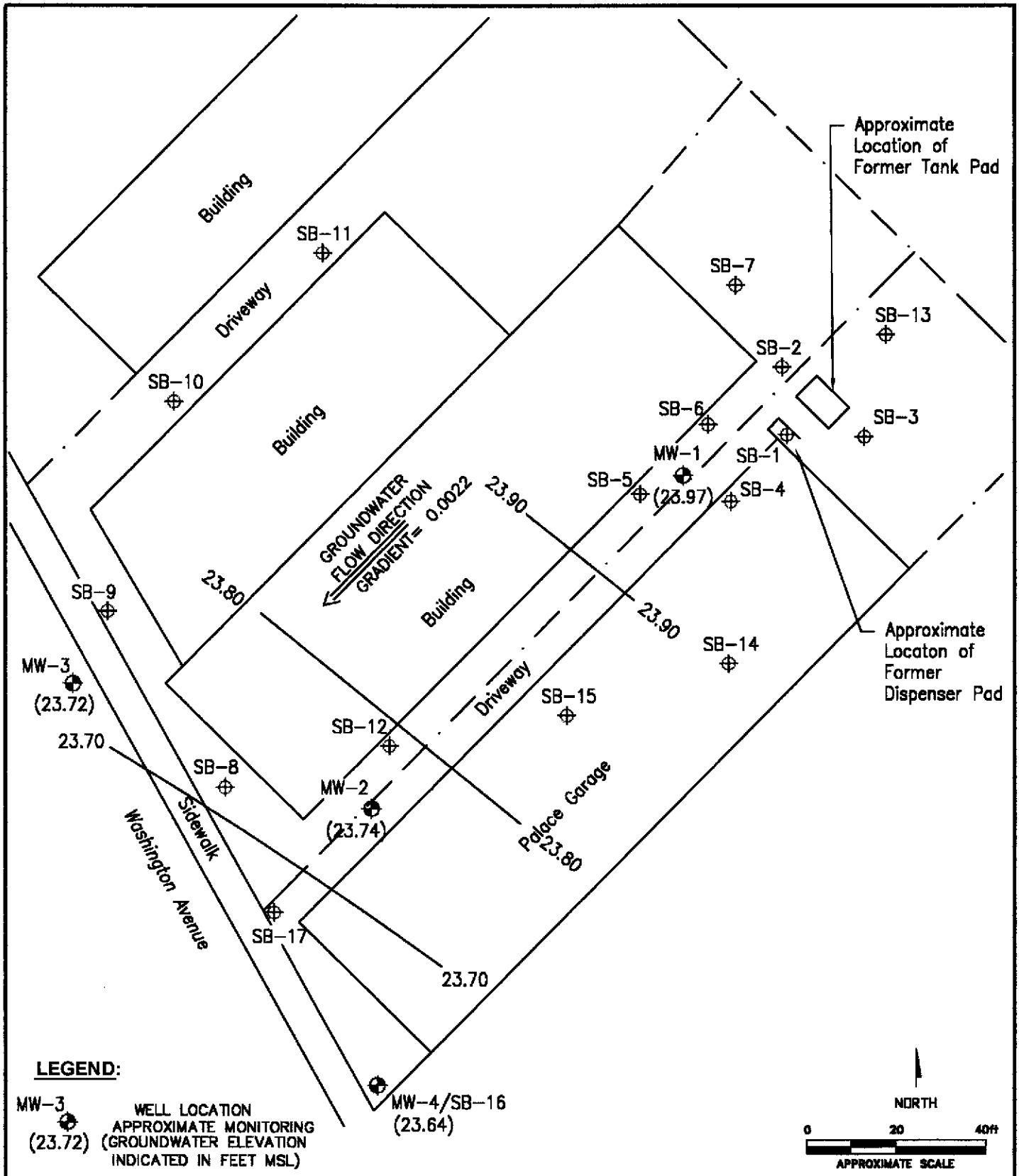
Based on the results of this investigation, PSI recommends groundwater monitoring continue at the site. Additionally, PSI recommends a meeting be coordinated with the Alameda County Health Care Agency (ACHCA) to discuss further work at the site.



NORTH

REFERENCE:
U.S.G.S. SAN LEANDRO, CA 1969
PHOTOREVISED 1980

Information To Build On *Engineering • Consulting • Testing*		*4703 Tidewater Avenue, Suite B* *Oakland, California 94601* *(510) 434-9200*		
Project Name: PALACE GARAGE 1455 WASHINGTON AVENUE, SAN LEANDRO, CA		Drawn By: M.C.	Date: 2/03	File No.: 033-001
Title: LOCATION MAP		Approved By: F. P.	Project No.: 575-2C033	Figure No.: 1



REFERENCE:

MORROW SURVEYING, "PALACE GARAGE," DRAWING NO. 6381-024DT, DATED 2/5/03.

psi *Information To Build On*
Engineering • Consulting • Testing

4703 Tidewater Avenue, Suite B
Oakland, California 94601
(510) 434-9200

Project Name	Drawn By	Scale	File No.	Figure No.
PALACE GARAGE 14336 WASHINGTON AVENUE, SAN LEANDRO, CA	M.G.	2/03	033-002	2
Title: SITE PLAN AND GROUNDWATER CONTOUR MAP	Approved By: P. P.	Project No.: 575-2G033		

TABLE 1

ANALYTICAL RESULTS: SOIL
PALACE GARAGE
14336 WASHINGTON AVENUE
SAN LEANDRO, CALIFORNIA

Sample I.D.	TPH-G mg/kg	MTBE mg/kg	Benzene mg/kg	Toluene mg/kg	Ethyl-benzene mg/kg	Total Xylenes mg/kg
SB16-15	<0.06	<0.005	<0.005	<0.005	<0.005	<0.005
SB17-19	**0.292**	<0.005	<0.005	<0.005	<0.005	<0.005

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline by EPA Method 8015M.
MTBE = Methyl Tertiary Butyl Ether
mg/kg = milligrams per kilogram
<0.06 = Concentration below indicated detection limit

TABLE 2

ANALYTICAL RESULTS: GROUNDWATER
PALACE GARAGE
14336 WASHINGTON AVENUE
SAN LEANDRO, CALIFORNIA

Sample I.D.	Date	TOC Elevation (feet msl)*	Depth To Groundwater	Groundwater Elevation (feet msl)*	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-1	12/31/02	37.59	13.62	23.97	**4,800**	<0.5	**1,030**	**2,380**	**1,690**	**9,220**
MW-2	12/31/02	37.12	13.38	23.74	**1,670**	<0.5	**1,030**	**11**	**23.1**	**16.4**
MW-3	12/31/02	37.01	13.29	23.72	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
MW-4	12/31/02	37.09	13.45	23.64	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline by EPA Method 8015M.
MTBE = Methyl Tertiary Butyl Ether
All contaminants are re reported in ug/l = micrograms per liter
<0.06 = Concentration below indicated detection limit

APPENDIX A

DRILLING PERMIT

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) ~~670-6481~~ James Yor 510-670-6633
FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT PALACE GARAGE
14336 WASHINGTON AVENUE
SAN LEANDRO, CALIFORNIA, 94578

CLIENT
Name KERRY & ASSOCIATES
Address 151 CALLAN AVE, STE 200 Phone (510) 483-4211
City SAN LEANDRO Zip 94577

APPLICANT
Name PROFESSIONAL SERVICE INDUSTRIES
Fax 510-434-7676
Address 4703 TIDEWATER AVE, STE B Phone 510-434-9200
City OAKLAND Zip 94601

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☐
Monitoring	☒	Well Destruction	☐

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other	☐

DRILLING METHOD:
Mud Rotary ☐ Air Rotary ☐ Auger ☐
Cable ☐ Other ☒ (PUSH - DRILL)

DRILLER'S NAME V+W DRILLING
DRILLER'S LICENSE NO. C57 720904

WELL PROJECTS
Drill Hole Diameter 2 in. Maximum Depth 25 ft
Casing Diameter 3/4 in. Owner's Well Number MW-4
Surface Seal Depth 5 ft.

GEOTECHNICAL PROJECTS
Number of Borings ____ Maximum Depth ____ ft
Hole Diameter ____ in.

ESTIMATED STARTING DATE DEC 6, 2002
ESTIMATED COMPLETION DATE DEC 6, 2002

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] DATE 12/2/02

PLEASE PRINT NAME BRAND W. BURSELL

Rev: 5-13-00

FOR OFFICE USE

PERMIT NUMBER WO2-1160
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [signature] DATE 12-2-02

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6554 670-6633 James/Joe
FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT PALACE GARAGE
14336 ARMINGTON AVENUE
SAN LEANDRO, CALIFORNIA 94578

CLIENT
Name KERR & ASSOCIATES (510)
Address 51 CALLAN AVE, STE 300 Phone 483-4211
City SAN LEANDRO Zip 94577

APPLICANT
Name PROFESSIONAL SERVICE INDUSTRIES
Fax 510-434-7676
Address 4703 TIDEWATER AVE. STE B Phone 510 434-9700
City OAKLAND Zip 94601

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☐
Monitoring	☒	Well Destruction	☐

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other _____	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	☐
Cable	☐	Other	☒ (PUSH DRILL)		

DRILLER'S NAME V & W DRILLING
DRILLER'S LICENSE NO. C57 720904

WELL PROJECTS
Drill Hole Diameter 2 in. Maximum Depth 25 ft.
Casing Diameter 3/4 in. Owner's Well Number MW-5
Surface Seal Depth 5 ft.

GEOTECHNICAL PROJECTS
Number of Borings _____ Maximum Depth _____ ft.
Hole Diameter _____ in.

ESTIMATED STARTING DATE DEC 6, 2002
ESTIMATED COMPLETION DATE DEC 6, 2002

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE _____ DATE 12/2/02

PLEASE PRINT NAME BRAD W. BURFIELD

Rev.5-13-00

FOR OFFICE USE

PERMIT NUMBER WO2-1161
WELL NUMBER _____
APN _____

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and Industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED _____ DATE 12-2-02

FIELD PROCEDURES

I. ADVANCING OF SOIL BORINGS AND COLLECTION OF SOIL SAMPLES

The following procedures were used for advancing soil borings and collecting soil samples at the site:

1. Prior to the commencement of soil boring activities at the site, boring locations were marked with white paint. Underground Service Alert (USA) was contacted to identify underground utilities in the vicinity of the soil borings.

2. A licensed State of California drilling company conducted soil boring and sampling activities. The soil borings were advanced using the Geoprobe direct push method. Flush-threaded rods with a stainless steel sampler were advanced into the ground using a hydraulic press and percussion hammer. The opening of the sampler was sealed with a drive tip held in place by a threaded pin.

3. Soil samples were collected using a 1.2 meter (4-foot) long, 0.05 meter (2-inch) inside diameter macro-core stainless steel sampler. Soil samplers were washed between borings with Alconox soap followed by two deionized water rinses. The sampler was lined with clean brass, stainless steel, or acetate sleeves.

4. After the sampler was retrieved, the sleeves were extracted from the sampler without disturbing the sample. The sample for analyses was collected from the lowest tube in the sampler. The ends of the sample were covered with Teflon™ sheets and capped with polyethylene end caps. The sample was labeled and placed in a zip-lock bag in a chilled cooler prior to delivery to the laboratory.

5. Soil samples were assigned identification numbers such as B1-5, where B1 indicates the boring designation and -5 indicates that the sample was collected from 5 meters bgs. The samples were labeled with the project number, date and time of sample collection, sampling depth, and client name.

6. Chain-of-custody procedures using chain-of-custody records were implemented during handling and transportation of the samples to the laboratory for analyses.

7. Boring logs were prepared for the soil borings under the supervision of a California-Registered Geologist. Soil from each sample was described in accordance with Unified Soil Classification System by a PSI geologist and recorded on a field-boring log. The data recorded on the logs were based on examination of soil samples retrieved in the tubes, and drilling conditions observed in the field. Boring logs include information regarding the location of each boring, geologic descriptions of

materials encountered, occurrence of groundwater (if applicable) and organic vapor analyzer (OVA) measurements of the soil samples collected.

II. BACKFILL OF SOIL BORINGS

The following procedures were used to backfill the soil borings at the site:

1. Soil borings were backfilled to grade with Portland grout slurry. The slurry consisted of neat cement and 5% bentonite powder.

III. FIELD DOCUMENTATION OF SAMPLING PROCEDURES

The following outline describes the procedures followed by PSI for proper sampling documentation.

1. Sampling procedures were documented in field notes that contain:

    1. Sample collection procedures
    2. Date and time of collection
    3. Date of shipping
    4. Sample collection location
    5. Sample identification number(s)
    6. Intended analysis
    7. Quality control samples
    8. Sample preservation
    9. Name of sampler
    10. Any pertinent observations

2. Samples were labeled with the following information:

    1. Sample designation number
    2. Date and time sample was collected
    3. Sampler's name
    4. Sample preservatives (if required)
    5. Project Name

3. The following was the sample designation system for the site:

   For Borings, the samples were labeled B-(Boring Number)-(Depth) (i.e. sample collected from boring 4 at 5 meters would be B4-5).

   For Groundwater Samples, the samples were labeled WB-(Boring Number (i.e. sample collected from boring 7 would be WB-7).

4. Handling of the samples were recorded on a chain of custody form, which shall include:

   1. Project name
   2. Site location
   3. Signature of collector
   4. Date and time of collection
   5. Sample identification number
   6. Number of containers in sample set
   7. Description of sample and container
   8. Name and signature of persons, and the companies or agencies they represent, who are involved in the chain of possession
   9. Inclusive dates and times of possession
   10. Analyses to be completed

APPENDIX C

BORING LOGS & WELL CONSTRUCTION LOGS

SOIL BORING LOG

BORING NO:	SB-16
SHEE	1 OF 1

PROJECT NAME:	PALACE GARAGE
PROJECT NUMBER:	575-2G033
DATE:	12/6/02
DRILLING COMPANY:	V&W DRILLING
DRILLING METHOD:	GEOPROBE PUSH-DRILL
BORING DIAMETER:	2 INCHES
DEPTH:	24.0 FEET

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
12/6/02	INITIALLY ENCOUNTERED	15.5 FEET

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL		PID (PPM)	USCS	REMARKS
				1" Asphaltic Concrete over 2" Aggregate Baserock.			
1				Sandy Clay (CL), Light brown, moist, stiff, medium to coarse sand (FILL).		CL	
2							Brick encountered in boring.
3				Silty Clay (CL), Dark brown, moist, stiff, (NATIVE).		CL	
4					403		No odor.
5							
6				As above; medium brown.	1221		
7							No odor.
8					588		No odor.
9							
10							
11				As above; many fine sand.			
12					179		No odor.
13							
14							
15				Clayey Sand (SC), Medium brown, very moist to wet, medium sand.		SC	Water at approx. 15.5 feet.
16				As above; wet.	199		No odor.
17							
18							Softer at 18 feet.
19				As above; fine to medium sand, some silt.			
20							
21							
22				Sandy Silt (ML), Medium brown, wet, stiff, fine sand.		ML	
23							
24				Boring terminated at 24.0 feet.			
25				Groundwater encountered at approximately 15.5 feet. Borehole converted to MW-4 (22.5 feet total well depth).			

Reviewed By:

LOGGED BY: Brand Burfield

SOIL BORING LOG

BORING NO:	SB-17
SHEE	1 OF 1

PROJECT NAME:	PALACE GARAGE
PROJECT NUMBER:	575-2G033 DATE: 12/6/02
DRILLING COMPANY:	V&W DRILLING
DRILLING METHOD:	GEOPROBE PUSH-DRILL
BORING DIAMETER:	2 INCHES DEPTH: 20.0 FEET

GROUNDWATER LEVELS

DATE	COMMENTS	DEPTH BGS
12/6/02	INITIALLY ENCOUNTERED	16.5 FEET

DEPTH (FEET)	SAMPLE NO.	RECOVERY (IN)	SAMPLE INTERVAL		PID (PPM)	USCS	REMARKS
				1" Asphaltic Concrete over 2" Aggregate Baserock.			
1–2				Clayey Sand (SC), Light brown, damp to moist, medium dense, fine to medium sand, many fine to medium gravel, (FILL).		SC	No odor.
3–4				Silty Clay (CL), Dark brown, moist, stiff, some rootlet voids, (NATIVE).	65	CL	No odor.
5–7				As above; medium brown.	81		No odor.
8–11				As above; damp to moist.	29		
12–15				Gravelly Sand (SW), Medium to dark brown, damp to moist, medium to coarse sand, fine to medium gravel.		SW	No odor.
16				As above; very moist.	28		Water at approx. 16.5 feet.
17							No odor.
18–19				Silty Clay (CL), Medium brown, wet, stiff.	54	CL	Moderate gasoline odor and green staining from 18.5 to 20.0 feet.
20–25				Boring terminated at 24.0 feet. Groundwater encountered at approximately 15.5 feet. Borehole backfilled with cement to 3 feet below grade, soil to 6 inches below grade and topped with concrete.			

Reviewed By:

LOGGED BY: Brand Burfield

MONITORING WELL RECORD

WELL/BORING NO: MW-4 / SB-16

DATE: 12/6/02 | PROJECT NAME: PALACE GARAGE | PROJECT NO: 579-2G033

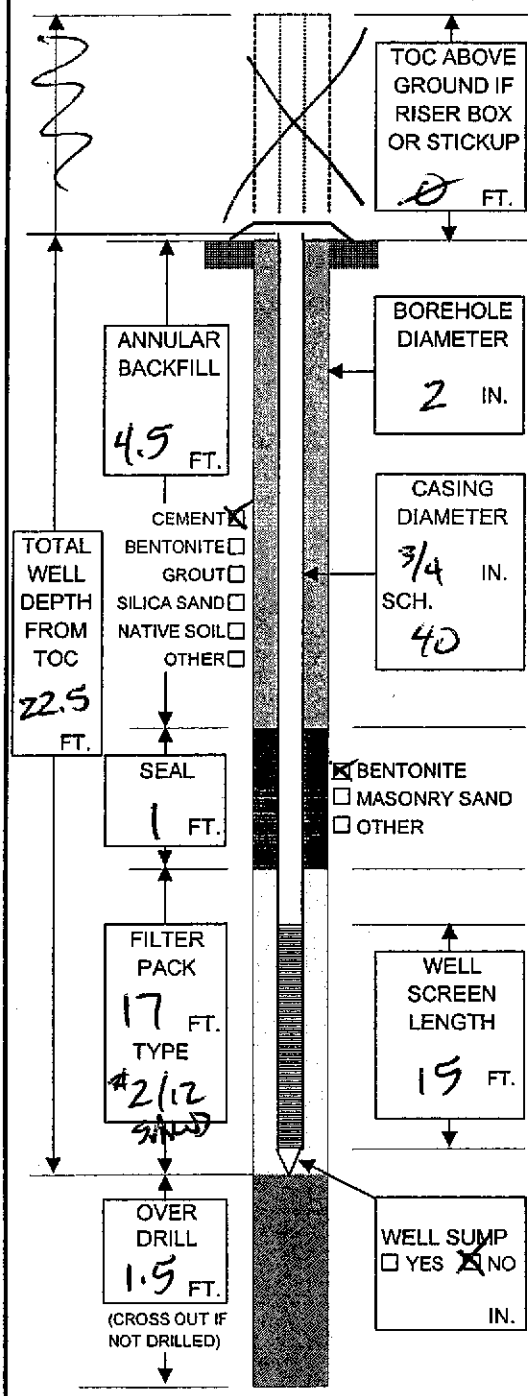
LOCATION PLAN: | SEC: TWN: RGE: | LAT: LONG:

DRILLERS: V+W DRILLING - RYAN KUBIK

PERMIT INFORMATION: ACPWA W02-1160

WELL TYPE: ☒ SHALLOW ☒ SINGLE CASED ☒ MONITORING
☒ PERMANENT ☐ INTERMEDIATE ☐ DOUBLE CASED ☐ RECOVERY
☐ TEMPORARY ☐ DEEP ☐ OTHER ☐ OTHER

WELL SCHEMATIC



INSTALLATION DATA

DECON. ☐ STEAM CLEAN ☐ HIGH PRESSURE WASH ☒ SOAP WASH ☐ OTHER

CASING TYPE: ☒ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
JOINTS: ☒ THREADED ☐ WELDED ☐ COUPLED ☐ SCREWED ☐ OTHER
PIT CASING: ☐ YES ☒ NO ☐ DESCRIBE

WELL SCREEN: ☒ PVC ☐ STAINLESS ☐ TEFLON ☐ OTHER
DIAMETER: ☐ 2" ☐ 4" ☐ 6" ☒ OTHER 3/4 IN
SLOT: ☐ 0.010 ☒ 0.020 ☐ OTHER ____ IN

DRILLING METHOD: ☐ SOLID STEM ☐ HOLLOW STEM ☐ MUD ROTARY ☐ AIR ROTARY ☒ DIRECT PUSH ☐ HAND AUGER ☐ OTHER

BIT SIZE: ☒ 2" ☐ 4" ☐ 6" ☐ 8" ☐ 12" ☐ OTHER ____ IN
DRILLING MUD: ☒ NONE ☐ WATER ☐ BENTONITE ☐ OTHER
CENTRALIZER: ☐ YES ☒ NO

COMPLETION: ☒ FLUSH MOUNT ☐ STICKUP ☐ RISER BOX
LOCK TYPE: ☐ DOLPHIN ☐ MASTER KEY NO. ____ ☐ OTHER
PAD: ☐ 2'X2' ☐ 4'X4' ☐ OTHER

CUTTINGS: ☐ DRUMMED NUMBER OF DRUMS ____ ☐ SPREAD ☒ OTHER

DEVELOPMENT METHOD: ☐ NONE ☐ BAILING ☐ PUMPING ☐ AIR LIFT ☐ SURGE & BLOCK ☐ OTHER
TIME: ☐ 10 MIN ☐ 20 MIN ☐ OTHER ____ MIN
AMOUNT ☐ 5 GAL ☐ 10 GAL ☐ OTHER ____ GAL
WATER BEFORE: ☐ SILTY ☐ TURBID ☐ OPAQUE ☐ CLEAR
WATER AFTER: ☐ SILTY ☐ TURBID ☐ OPAQUE ☐ CLEAR
EVIDENT ODOR: ☐ YES ☐ NO TYPE

DEVELOPMENT WATER: ☒ DRUMMED NUMBER OF DRUMS < 1 ☐ SPREAD ☐ TREATED ☐ POTW ☐ OTHER

WATER LEVEL: INITIAL 15.5 FT ☐ BTOC ☒ BLS
DATE: 1/2/03 13.45 FT BELOW TOC
DATE: ____ ____ FT BELOW TOC

NOTES: (DESCRIBE ALL NON-STANDARD METHODS & MATERIALS)

PSI

PREPARED BY: B. BURTEN

Rev. 04/2001

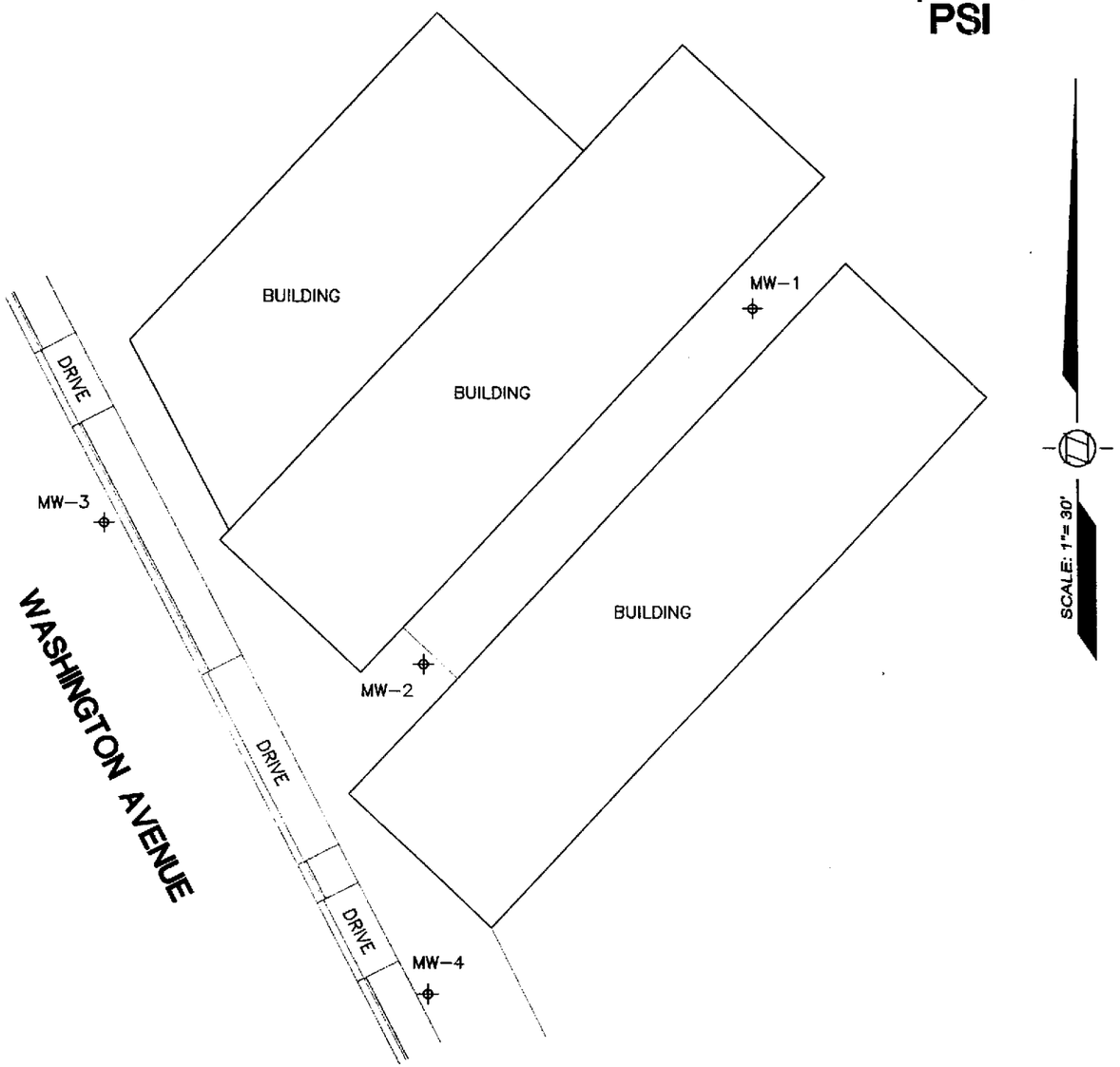
APPENDIX D

SURVEY DATA

Monitoring Well Exhibit

Prepared for:

PSI



SCALE: 1"= 30'

DESCRIPTION	NORTHING	EASTING	ELEV (PVC)	ELEV (BOX)
MW-1	2083680.4	6086328.7	37.59	37.84
MW-2	2083607.1	6086260.5	37.12	37.45
MW-3	2083636.1	6086195.0	37.01	37.27
MW-4	2083539.2	6086261.4	37.09	37.45
	LATITUDE	LONGITUDE		
MW-1	37.7059301	-122.1432028		
MW-2	37.7057253	-122.1434341		
MW-3	37.7058019	-122.1436622		
MW-4	37.7055389	-122.1434268		

BASIS OF COORDINATES:

COORDINATES ARE CALIFORNIA STATE PLANE ZONE 3 COORDINATES FROM GPS OBSERVATIONS USING UNIVERSITY OF CALIFORNIA BAY AREA DEFORMATION CORS STATION OBSERVATION FILES AND BASED ON THE CALIFORNIA SPATIAL REFERENCE CENTER DATUM, REFERENCE EPOCH 2000.35.
COORDINATE DATUM IS NAD 83(1986)
DATUM ELLIPSOID IS GRS80
REFERENCE GEOID IS NGS99

CORS STATIONS USED WERE TIBB AND POTB.

ELEVATIONS ARE BASED ON SAN LEANDRO BENCHMARK. ELEVATION=39.25'.

0 15 30 60 90

SCALE IN FEET

Palace Garage
14336 Washington Avenue
San Leandro
Alameda County
California

Morrow Surveying

1450 Harbor Blvd. Ste. D
West Sacramento
California 95691
(916) 372-8124
tom@morrowsurveying.com

Date: 02/05/03
Scale: 1"= 30'
Sheet 1 of 1
Revised:
Field Book: MW-12
Dwg. No. 6381-024DT

FLUID MEASUREMENT FIELD DATA

SHEET: 1 OF 1

DATE: 12/31/02 | PROJECT NAME: PALACE GARAGE | PROJECT NO: 2G033

WATER LEVEL MEASUREMENT INSTRUMENT: SOLINST | SERIAL NO:

PRODUCT DETECTION INSTRUMENT: | SERIAL NO:

EQUIP. DECON: ☐ ALCONOX WASH ☐ DIST/DEION 1 RINSE ☐ ISOPROPANOL ☐ ANALYTE FREE FINAL RINSE ☐ TAP WATER FINAL RINSE
☐ TAP WATER WASH ☐ LIQUINOX WASH ☐ DIST/DEION 2 RINSE ☐ OTHER SOLVENT ☐ DIST/DEION FINAL RINSE ☐ AIR DRY

	WELL NUMBER	GROUND SURFACE ELEVATION	TOP OF CASING ELEVATION	DEPTH TO PRODUCT BELOW TOC	DEPTH TO WATER BELOW TOC	WELL DEPTH BELOW TOC	PRODUCT THICKNESS	WATER TABLE ELEVATION	ACTUAL TIME	
	MW-1				13.71	24.00				2"
	MW-2				13.44	24.00				"
	MW-3					24.00				" COVERED
	MW-4				13.50	22.5				1"
4/2/03	MW-1				13.62				1237	
	MW-2				13.38				1242	
	MW-3				13.29	24.00			1234	
	MW-4				13.45				1244	

REMEMBER TO CORRECT PRODUCT THICKNESS FOR DENSITY BEFORE CALCULATING WATER TABLE ELEVATION

PREPARED BY:

PSI
Rev. 12/95

WELL PURGING AND SAMPLING DATA

WELL NO: MW-1

DATE:	PROJECT NAME:	PROJECT NO:

WEATHER CONDITIONS:

WELL DIAMETER (IN.) ☐ 1 ☐ 2 ☐ 4 ☐ 6 ☐ OTHER _____

SAMPLE TYPE: ☐ GROUNDWATER ☐ WASTEWATER ☐ SURFACE WATER ☐ OTHER

WELL DEPTH (TOC) 24 FT.	DEPTH TO WATER BEFORE PURGING (TOC) 13.71 FT.
LENGTH OF WATER 9.29 FT.	CALCULATED ONE WELL VOLUME[1]: ~1.7 GAL.

PURGING DEVICE: ☒ DEDICATED ☐ DISPOSABLE ☒ DECONTAMINATED

SAMPLING DEVICE: ☒ DEDICATED ☐ DISPOSABLE ☒ DECONTAMINATED

EQUIP. DECON. ☐ TAP WATER WASH ☐ ISOPROPANOL ☐ ANALYTE FREE FINAL RINSE
☐ ALCONOX WASH ☐ DIST/DEION 1 RINSE ☐ OTHER SOLVENT ☐ DIST/DEION FINAL RINSE
☐ LIQUINOX WASH ☐ DIST/DEION 2 RINSE ☐ TAP WATER FINAL RINSE ☐ AIR DRY

CONTAINER PRESERVATION: ☒ LAB PRESERVED ☐ FIELD PRESERVED

WATER ANALYZER MODEL & SERIAL NO: MYRON L 602155

ACTUAL TIME (MIN)	CUMUL. VOLUME PURGED (GAL)	TEMP ☐ °F ☐ °C	SPECIFIC CONDUCT.	pH	DISS. OXYGEN	TURBIDITY (NTUs)	WATER APPEAR CL=CLEAR CO=CLOUDY TU=TURBID	REMARKS (EVIDENT ODOR, COLOR, PID) ORP	TDS
1310	INITIAL	17.2	957	7.57			CL/CO	50	640
1311	2.0	17.7	940	7.56			CO	48	646
1312	5.0	17.8	946	7.57			CO	49	650
1314	6.5	17.9	943	7.48			CL/CO	45	648

DEPTH TO WATER AFTER PURGING (TOC) FT. SAMPLE FILTERED ☐ YES ☐ NO SIZE _____

NOTES:

SAMPLE TIME: 1315 ID# MW-1

DUPLICATE ☐ TIME: ID#:

EQUIP. BLANK: ☐ TIME: ID#:

PREPARED BY:

PSI [1] A 1 FOOT LENGTH OF WATER = 0.05 GAL IN 1" DIA. PIPE 0.17 GAL IN 2" DIA PIPE 0.65 GAL IN 4" DIA PIPE 1.5 GAL IN 6" DIA P
Rev. 12/95

WELL PURGING AND SAMPLING DATA

WELL NO: MW-2

DATE: 12/31/02 | PROJECT NAME: PALACE | PROJECT NO: 26033

WEATHER CONDITIONS: SUNNY, PARTLY CLOUDY, BREEZY, COOL

WELL DIAMETER (IN.) ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ OTHER _____

SAMPLE TYPE: ☒ GROUNDWATER ☐ WASTEWATER ☐ SURFACE WATER ☐ OTHER

WELL DEPTH (TOC) 24 FT. | DEPTH TO WATER BEFORE PURGING (TOC) 13.44 FT.

LENGTH OF WATER 9.56 FT. | CALCULATED ONE WELL VOLUME[1]: ~1.7 GAL.

PURGING DEVICE: ☒ DEDICATED ☐ DISPOSABLE ☒ DECONTAMINATED

SAMPLING DEVICE: ☒ DEDICATED ☐ DISPOSABLE ☒ DECONTAMINATED

EQUIP. DECON. ☐ TAP WATER WASH ☐ ISOPROPANOL ☐ ANALYTE FREE FINAL RINSE
☐ ALCONOX WASH ☐ DIST/DEION 1 RINSE ☐ OTHER SOLVENT ☐ DIST/DEION FINAL RINSE
☐ LIQUINOX WASH ☐ DIST/DEION 2 RINSE ☐ TAP WATER FINAL RINSE ☐ AIR DRY

CONTAINER PRESERVATION: ☒ LAB PRESERVED ☐ FIELD PRESERVED

WATER ANALYZER MODEL & SERIAL NO: MYRON L 602155

ACTUAL TIME (MIN)	CUMUL. VOLUME PURGED (GAL)	TEMP ☐ °F ☐ °C	SPECIFIC CONDUCT.	pH	DISS. OXYGEN	TURBIDITY (NTUs)	WATER APPEAR CL=CLEAR CO=CLOUDY TU=TURBID	REMARKS (EVIDENT ODOR, COLOR, PID)	
1243	INITIAL	17.2	1148	7.65			CL/TU/NO	80	796
1245	2.0	18.0	1149	7.55			CO	90	796
1246	4.0	18.2	1151	7.43			CL/CO	86	798
1247	5.0	18.2	1150	7.32			CO	64	797

DEPTH TO WATER AFTER PURGING (TOC) FT. | SAMPLE FILTERED ☐ YES ☐ NO SIZE _____

NOTES:

SAMPLE TIME: 1250 ID# MW-2

DUPLICATE ☐ TIME: ID#:

EQUIP. BLANK: ☐ TIME: ID#:

PREPARED BY:

PSI [1] A 1 FOOT LENGTH OF WATER = 0.05 GAL IN 1" DIA. PIPE 0.17 GAL IN 2" DIA PIPE 0.65 GAL IN 4" DIA PIPE 1.5 GAL IN 6" DIA P
Rev. 12/95

WELL PURGING AND SAMPLING DATA

		WELL NO: MW-3
DATE: 10/02/03	PROJECT NAME: PALACE	PROJECT NO: 26033

WEATHER CONDITIONS:

WELL DIAMETER (IN.) ☐ 1 ☒ 2 ☐ 4 ☐ 6 ☐ OTHER _____

SAMPLE TYPE: ☒ GROUNDWATER ☐ WASTEWATER ☐ SURFACE WATER ☐ OTHER

WELL DEPTH (TOC) 24 FT.	DEPTH TO WATER BEFORE PURGING (TOC) 13.29 FT.
LENGTH OF WATER 10.71 FT.	CALCULATED ONE WELL VOLUME[1]: ~1.7 GAL.

PURGING DEVICE: ☐ DEDICATED ☒ DISPOSABLE ☐ DECONTAMINATED

SAMPLING DEVICE: ☐ DEDICATED ☒ DISPOSABLE ☐ DECONTAMINATED

EQUIP. DECON. ☐ TAP WATER WASH ☐ ISOPROPANOL ☐ ANALYTE FREE FINAL RINSE
☐ ALCONOX WASH ☐ DIST/DEION 1 RINSE ☐ OTHER SOLVENT ☐ DIST/DEION FINAL RINSE
☐ LIQUINOX WASH ☐ DIST/DEION 2 RINSE ☐ TAP WATER FINAL RINSE ☐ AIR DRY

CONTAINER PRESERVATION: ☒ LAB PRESERVED ☐ FIELD PRESERVED

WATER ANALYZER MODEL & SERIAL NO: MYRON L 602154

ACTUAL TIME (MIN)	CUMUL. VOLUME PURGED (GAL)	TEMP ☐ °F ☐ °C	SPECIFIC CONDUCT.	pH	DISS. OXYGEN	TURBIDITY (NTUs)	WATER APPEAR CL=CLEAR CO=CLOUDY TU=TURBID	REMARKS (EVIDENT ODOR, COLOR, PID) ORP TDS
1300	INITIAL	19.3	677	8.40			CL	105 456
1304	2.0	19.0	686	7.32			CL/CO	98 463
1308	4.0	19.0	647	7.04			SLT CO	91 437
1312	6.0	19.0	646	6.94			SLT CU	88 435

DEPTH TO WATER AFTER PURGING (TOC) FT. SAMPLE FILTERED ☐ YES ☐ NO SIZE _____

NOTES:

SAMPLE TIME: 1315 ID# MW-3

DUPLICATE ☐ TIME: ID#:

EQUIP. BLANK: ☐ TIME: ID#:

PREPARED BY:

PSI [1] A 1 FOOT LENGTH OF WATER = 0.05 GAL IN 1" DIA. PIPE 0.17 GAL IN 2" DIA PIPE 0.65 GAL IN 4" DIA PIPE 1.5 GAL IN 6" DIA P

WELL PURGING AND SAMPLING DATA

WELL NO: MW-4

DATE: 12/3/02 | PROJECT NAME: PALACE | PROJECT NO: 26033

WEATHER CONDITIONS:

WELL DIAMETER (IN.) ☒ 1 ☐ 2 ☐ 4 ☐ 6 ☐ OTHER _____

SAMPLE TYPE: ☒ GROUNDWATER ☐ WASTEWATER ☐ SURFACE WATER ☐ OTHER

WELL DEPTH (TOC) 22.5 FT. | DEPTH TO WATER BEFORE PURGING (TOC) 15.5 FT.

LENGTH OF WATER 11.0 FT. | CALCULATED ONE WELL VOLUME[1]: ~1.5 GAL.

PURGING DEVICE: ☒ DEDICATED ☐ DISPOSABLE ☒ DECONTAMINATED

SAMPLING DEVICE: ☒ DEDICATED ☐ DISPOSABLE ☒ DECONTAMINATED

EQUIP. DECON. ☐ TAP WATER WASH ☐ ISOPROPANOL ☐ ANALYTE FREE FINAL RINSE
☐ ALCONOX WASH ☐ DIST/DEION 1 RINSE ☐ OTHER SOLVENT ☐ DIST/DEION FINAL RINSE
☐ LIQUINOX WASH ☐ DIST/DEION 2 RINSE ☐ TAP WATER FINAL RINSE ☐ AIR DRY

CONTAINER PRESERVATION: ☒ LAB PRESERVED ☐ FIELD PRESERVED

WATER ANALYZER MODEL & SERIAL NO: MYRON L602155

ACTUAL TIME (MIN)	CUMUL. VOLUME PURGED (GAL)	TEMP ☐ °F ☐ °C	SPECIFIC CONDUCT. uS	pH	DISS. OXYGEN	TURBIDITY (NTUs)	WATER APPEAR CL=CLEAR CO=CLOUDY TU=TURBID	REMARKS (EVIDENT ODOR, COLOR, PID) ORP	TDS
1223	INITIAL	18.6	804	9.32			TU	69	547
1224	.5	14.4	816	8.30			TU	86	556
1225	1.0	14.4	783	8.01			CO	91	532
1226	1.5	18.6	788	7.81			SLT CO	92	536

DEPTH TO WATER AFTER PURGING (TOC) FT. | SAMPLE FILTERED ☐ YES ☐ NO SIZE _____

NOTES:

SAMPLE TIME: 1230 ID# MW-4

DUPLICATE ☐ TIME: ID#:

EQUIP. BLANK: ☐ TIME: ID#:

PREPARED BY:

PSI [1]A 1 FOOT LENGTH OF WATER = 0.05 GAL IN 1" DIA. PIPE 0.17 GAL IN 2" DIA PIPE 0.65 GAL IN 4" DIA PIPE 1.5 GAL IN 6" DIA P

Rev. 12/95

APPENDIX F

LABORATORY RESULTS AND CHAIN-OF-CUSTODY RECORDS

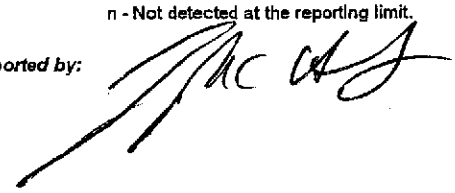
BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE.B OAKLAND, CA 94601	**Lab No:**	0301059
		Date:	01/15/03
		Phone:	(510) 434-9200
		Date Sampled:	12/31/02
Attention:	FRANK POSS	**Date Received:**	01/03/02
		Project No.:	2G033
Project Name:	PALACE GARAGE		
Sample Description:	WATER TESTING	**Page 1 of 9**	

Test:	TPH-Gas Range Organics	4-Bromofluorobenzene	Reporting Limit	Date Analyzed
Method:	8015	Surrogate		
Units:	ug/l	%	ug/l	
Control Limit:		43-155		
Sample ID				
MW-1	4800	66.6	50	01/13/03
MW-2	1670	100	50	01/13/03
MW-3	n	85.6	50	01/13/03
MW-4	n	102	50	01/13/03

Comments: California D.O.H.S. Cert. #1677.
n - Not detected at the reporting limit.

Reported by:



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EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0301059-1
	4703 TIDEWATER AVE., STE.B	***Phone:***	510-434-9200
	OAKLAND, CA 94601		
		Date Sampled:	12/31/02
Attention:	FRANK POSS	***Date Received:***	01/03/02
Project Name:	PALACE GARAGE	***Date Analyzed:***	01/13/03
Project Number:	2G033	***Date Reported:***	01/15/03
Sampling Location:			
Sample ID:	MW-1		
Sample Matrix:	WATER		
Sample Collected By:	CHRIS MERRITT		

COMPOUND	RESULT	REPORTING UNITS	QUANTITATION LIMIT
Acetone	n	ug/l	5.0
Acrylonitrile	n	ug/l	5.0
Benzene	1030	ug/l	0.5
Bromobenzene	n	ug/l	0.5
Bromochloromethane	n	ug/l	0.5
Bromodichloromethane	n	ug/l	0.5
Bromoform	n	ug/l	0.5
Bromomethane	n	ug/l	0.5
2-Butanone (MEK)	n	ug/l	5.0
n-Butylbenzene	24.3	ug/l	0.5
sec-Butylbenzene	11.2	ug/l	0.5
tert-Butylbenzene	n	ug/l	0.5
Carbon Disulfide	n	ug/l	0.5
Carbon tetrachloride	n	ug/l	0.5
Chlorobenzene	n	ug/l	0.5
Chloroethane	n	ug/l	0.5
2-Chloroethylvinylether	n	ug/l	0.5
Chloroform	n	ug/l	0.5
Chloromethane	n	ug/l	0.5
2-Chlorotoluene	n	ug/l	0.5
4-Chlorotoluene	n	ug/l	0.5
Dibromochloromethane	n	ug/l	0.5
1,2-Dibromo-3-Chloropropane	18.4	ug/l	0.5
1,2-Dibromoethane	n	ug/l	0.5
Dibromomethane	n	ug/l	0.5
1,2-Dichlorobenzene	n	ug/l	0.5
1,3-Dichlorobenzene	n	ug/l	0.5
1,4-Dichlorobenzene	n	ug/l	0.5
Dichlorodifluoromethane	n	ug/l	0.5
1,1-Dichloroethane	n	ug/l	0.5
1,2-Dichloroethane	n	ug/l	0.5
1,1-Dichloroethene	n	ug/l	0.5
cis-1,2-Dichloroethene	n	ug/l	0.5
trans-1,2-Dichloroethene	n	ug/l	0.5
1,2-Dichloropropane	n	ug/l	0.5

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EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0301059-1

COMPOUND	RESULT	REPORTING UNITS	QUANTITATION LIMIT
1,3-Dichloropropane	n	ug/l	0.5
2,2-Dichloropropane	n	ug/l	0.5
1,1-Dichloropropene	n	ug/l	0.5
cis-1,3-Dichloropropene	n	ug/l	0.5
trans-1,3-Dichloropropene	n	ug/l	0.5
1,4-Dioxane	n	ug/l	25
Ethyl Benzene	1690	ug/l	0.5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/l	0.5
Hexachlorobutadiene	n	ug/l	0.5
2-Hexanone (MBK)	n	ug/l	5.0
Isopropylbenzene	n	ug/l	0.5
Di-Isopropyl Ether (DIPE)	n	ug/l	0.5
p-Isopropyltoluene	19.2	ug/l	0.5
4-Methyl-2-Pentanone (MIBK)	n	ug/l	5.0
Methylene Chloride	n	ug/l	1.0
Methyl Tert-Butyl Ether (MTBE)	n	ug/l	0.5
Napthalene	2480	ug/l	0.5
n-Propylbenzene	218	ug/l	0.5
Styrene	n	ug/l	0.5
Tert-Amyl Methyl Ether (TAME)	n	ug/l	0.5
1,1,1,2-Tetrachloroethane	n	ug/l	0.5
1,1,2,2-Tetrachloroethane	n	ug/l	0.5
Tetrachloroethene	n	ug/l	0.5
Tetrahydrofuran	n	ug/l	5.0
tert - Butanol (TBA)	n	ug/l	50
Toluene	2380	ug/l	0.5
1,2,3-Trichlorobenzene	n	ug/l	0.5
1,2,4-Trichlorobenzene	n	ug/l	0.5
1,1,1-Trichloroethane	n	ug/l	0.5
1,1,2-Trichloroethane	n	ug/l	0.5
Trichloroethene	n	ug/l	0.5
1,1,2-Trichlorotrifluoroethane	n	ug/l	0.5
Trichlorofluoromethane	n	ug/l	0.5
1,2,3-Trichloropropane	n	ug/l	0.5
1,2,4-Trimethylbenzene	1690	ug/l	0.5
1,3,5-Trimethylbenzene	451	ug/l	0.5
Vinyl Acetate	n	ug/l	0.5
Vinyl Chloride	n	ug/l	0.5
Total Xylenes	9220	ug/l	1.0
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	84.6	%	28-145
Toluene-d8	122	%	52-150
4-Bromofluorobenzene	66.6	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the quantitation limit.

Reported By

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EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0301059-2
	4703 TIDEWATER AVE., STE.B	***Phone:***	510-434-9200
	OAKLAND, CA 94601		
		Date Sampled:	12/31/02
Attention:	FRANK POSS	***Date Received:***	01/03/02
Project Name:	PALACE GARAGE	***Date Analyzed:***	01/13/03
Project Number:	2G033	***Date Reported:***	01/15/03
Sampling Location:			
Sample ID:	MW-2		
Sample Matrix:	WATER		
Sample Collected By:	CHRIS MERRITT		

COMPOUND	RESULT	REPORTING UNITS	QUANTITATION LIMIT*
Acetone	n	ug/l	50
Acrylonitrile	n	ug/l	50
Benzene	1030	ug/l	5
Bromobenzene	n	ug/l	5
Bromochloromethane	n	ug/l	5
Bromodichloromethane	n	ug/l	5
Bromoform	n	ug/l	5
Bromomethane	n	ug/l	5
2-Butanone (MEK)	n	ug/l	50
n-Butylbenzene	30.8	ug/l	5
sec-Butylbenzene	15.9	ug/l	5
tert-Butylbenzene	n	ug/l	5
Carbon Disulfide	n	ug/l	5
Carbon tetrachloride	n	ug/l	5
Chlorobenzene	n	ug/l	5
Chloroethane	n	ug/l	5
2-Chloroethylvinylether	n	ug/l	5
Chloroform	n	ug/l	5
Chloromethane	n	ug/l	5
2-Chlorotoluene	n	ug/l	5
4-Chlorotoluene	n	ug/l	5
Dibromochloromethane	n	ug/l	5
1,2-Dibromo-3-Chloropropane	n	ug/l	5
1,2-Dibromoethane	n	ug/l	5
Dibromomethane	n	ug/l	5
1,2-Dichlorobenzene	n	ug/l	5
1,3-Dichlorobenzene	n	ug/l	5
1,4-Dichlorobenzene	n	ug/l	5
Dichlorodifluoromethane	n	ug/l	5
1,1-Dichloroethane	n	ug/l	5
1,2-Dichloroethane	n	ug/l	5
1,1-Dichloroethene	n	ug/l	5
cis-1,2-Dichloroethene	n	ug/l	5
trans-1,2-Dichloroethene	n	ug/l	5
1,2-Dichloropropane	n	ug/l	5

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EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0301059-2

COMPOUND	RESULT	REPORTING UNITS	QUANTITATION LIMIT*
1,3-Dichloropropane	n	ug/l	5
2,2-Dichloropropane	n	ug/l	5
1,1-Dichloropropene	n	ug/l	5
cis-1,3-Dichloropropene	n	ug/l	5
trans-1,3-Dichloropropene	n	ug/l	5
1,4-Dioxane	n	ug/l	250
Ethyl Benzene	23.1	ug/l	5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/l	5
Hexachlorobutadiene	n	ug/l	5
2-Hexanone (MBK)	n	ug/l	50
Isopropylbenzene	106	ug/l	5
Di-Isopropyl Ether (DIPE)	n	ug/l	5
p-Isopropyltoluene	n	ug/l	5
4-Methyl-2-Pentanone (MIBK)	n	ug/l	50
Methylene Chloride	n	ug/l	10
Methyl Tert-Butyl Ether (MTBE)	n	ug/l	5
Napthalene	914	ug/l	5
n-Propylbenzene	207	ug/l	5
Styrene	n	ug/l	5
Tert-Amyl Methyl Ether (TAME)	n	ug/l	5
1,1,1,2-Tetrachloroethane	n	ug/l	5
1,1,2,2-Tetrachloroethane	n	ug/l	5
Tetrachloroethene	n	ug/l	5
Tetrahydrofuran	n	ug/l	50
tert - Butanol (TBA)	n	ug/l	500
Toluene	11.0	ug/l	5
1,2,3-Trichlorobenzene	n	ug/l	5
1,2,4-Trichlorobenzene	n	ug/l	5
1,1,1-Trichloroethane	n	ug/l	5
1,1,2-Trichloroethane	n	ug/l	5
Trichloroethene	n	ug/l	5
1,1,2-Trichlorotrifluoroethane	n	ug/l	5
Trichlorofluoromethane	n	ug/l	5
1,2,3-Trichloropropane	n	ug/l	5
1,2,4-Trimethylbenzene	n	ug/l	5
1,3,5-Trimethylbenzene	10.0	ug/l	5
Vinyl Acetate	n	ug/l	5
Vinyl Chloride	n	ug/l	5
Total Xylenes	16.4	ug/l	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	77.6	%	28-145
Toluene-d8	113	%	52-150
4-Bromofluorobenzene	100	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the quantitation limit.
* - QL raised due to required dilution

Reported By

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EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0301059-3
	4703 TIDEWATER AVE., STE.B	***Phone:***	510-434-9200
	OAKLAND, CA 94601		
		Date Sampled:	12/31/02
Attention:	FRANK POSS	***Date Received:***	01/03/02
Project Name:	PALACE GARAGE	***Date Analyzed:***	01/14/03
Project Number:	2G033	***Date Reported:***	01/15/03
Sampling Location:			
Sample ID:	MW-3		
Sample Matrix:	WATER		
Sample Collected By:	CHRIS MERRITT		

COMPOUND	RESULT	REPORTING UNITS	QUANTITATION LIMIT*
Acetone	n	ug/l	25
Acrylonitrile	n	ug/l	25
Benzene	n	ug/l	2.5
Bromobenzene	n	ug/l	2.5
Bromochloromethane	n	ug/l	2.5
Bromodichloromethane	n	ug/l	2.5
Bromoform	n	ug/l	2.5
Bromomethane	n	ug/l	2.5
2-Butanone (MEK)	n	ug/l	25
n-Butylbenzene	n	ug/l	2.5
sec-Butylbenzene	n	ug/l	2.5
tert-Butylbenzene	n	ug/l	2.5
Carbon Disulfide	n	ug/l	2.5
Carbon tetrachloride	n	ug/l	2.5
Chlorobenzene	n	ug/l	2.5
Chloroethane	n	ug/l	2.5
2-Chloroethylvinylether	n	ug/l	2.5
Chloroform	n	ug/l	2.5
Chloromethane	n	ug/l	2.5
2-Chlorotoluene	n	ug/l	2.5
4-Chlorotoluene	n	ug/l	2.5
Dibromochloromethane	n	ug/l	2.5
1,2-Dibromo-3-Chloropropane	n	ug/l	2.5
1,2-Dibromoethane	n	ug/l	2.5
Dibromomethane	n	ug/l	2.5
1,2-Dichlorobenzene	n	ug/l	2.5
1,3-Dichlorobenzene	n	ug/l	2.5
1,4-Dichlorobenzene	n	ug/l	2.5
Dichlorodifluoromethane	n	ug/l	2.5
1,1-Dichloroethane	n	ug/l	2.5
1,2-Dichloroethane	n	ug/l	2.5
1,1-Dichloroethene	n	ug/l	2.5
cis-1,2-Dichloroethene	n	ug/l	2.5
trans-1,2-Dichloroethene	n	ug/l	2.5
1,2-Dichloropropane	n	ug/l	2.5

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EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0301059-3

COMPOUND	RESULT	REPORTING UNITS	QUANTITATION LIMIT*
1,3-Dichloropropane	n	ug/l	2.5
2,2-Dichloropropane	n	ug/l	2.5
1,1-Dichloropropene	n	ug/l	2.5
cis-1,3-Dichloropropene	n	ug/l	2.5
trans-1,3-Dichloropropene	n	ug/l	2.5
1,4-Dioxane	n	ug/l	125
Ethyl Benzene	n	ug/l	2.5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/l	2.5
Hexachlorobutadiene	n	ug/l	2.5
2-Hexanone (MBK)	n	ug/l	25
Isopropylbenzene	n	ug/l	2.5
Di-Isopropyl Ether (DIPE)	n	ug/l	2.5
p-Isopropyltoluene	n	ug/l	2.5
4-Methyl-2-Pentanone (MIBK)	n	ug/l	25
Methylene Chloride	n	ug/l	5
Methyl Tert-Butyl Ether (MTBE)	n	ug/l	2.5
Napthalene	n	ug/l	2.5
n-Propylbenzene	n	ug/l	2.5
Styrene	n	ug/l	2.5
Tert-Amyl Methyl Ether (TAME)	n	ug/l	2.5
1,1,1,2-Tetrachloroethane	n	ug/l	2.5
1,1,2,2-Tetrachloroethane	n	ug/l	2.5
Tetrachloroethene	n	ug/l	2.5
Tetrahydrofuran	n	ug/l	25
tert - Butanol (TBA)	n	ug/l	250
Toluene	n	ug/l	2.5
1,2,3-Trichlorobenzene	n	ug/l	2.5
1,2,4-Trichlorobenzene	n	ug/l	2.5
1,1,1-Trichloroethane	n	ug/l	2.5
1,1,2-Trichloroethane	n	ug/l	2.5
Trichloroethene	n	ug/l	2.5
1,1,2-Trichlorotrifluoroethane	n	ug/l	2.5
Trichlorofluoromethane	n	ug/l	2.5
1,2,3-Trichloropropane	n	ug/l	2.5
1,2,4-Trimethylbenzene	n	ug/l	2.5
1,3,5-Trimethylbenzene	n	ug/l	2.5
Vinyl Acetate	n	ug/l	2.5
Vinyl Chloride	n	ug/l	2.5
Total Xylenes	n	ug/l	5
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	115	%	28-145
Toluene-d8	85.8	%	52-150
4-Bromofluorobenzene	85.6	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the quantitation limit.
* - QL raised due to required dilution

Reported By

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EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0301059-4
	4703 TIDEWATER AVE., STE.B	***Phone:***	510-434-9200
	OAKLAND, CA 94601		
		Date Sampled:	12/31/02
Attention:	FRANK POSS	***Date Received:***	01/03/02
Project Name:	PALACE GARAGE	***Date Analyzed:***	01/14/03
Project Number:	2G033	***Date Reported:***	01/15/03
Sampling Location:			
Sample ID:	MW-4		
Sample Matrix:	WATER		
Sample Collected By:	CHRIS MERRITT		

COMPOUND	RESULT	REPORTING UNITS	QUANTITATION LIMIT*
Acetone	n	ug/l	100
Acrylonitrile	n	ug/l	100
Benzene	n	ug/l	10
Bromobenzene	n	ug/l	10
Bromochloromethane	n	ug/l	10
Bromodichloromethane	n	ug/l	10
Bromoform	n	ug/l	10
Bromomethane	n	ug/l	10
2-Butanone (MEK)	n	ug/l	100
n-Butylbenzene	n	ug/l	10
sec-Butylbenzene	n	ug/l	10
tert-Butylbenzene	n	ug/l	10
Carbon Disulfide	n	ug/l	10
Carbon tetrachloride	n	ug/l	10
Chlorobenzene	n	ug/l	10
Chloroethane	n	ug/l	10
2-Chloroethylvinylether	n	ug/l	10
Chloroform	n	ug/l	10
Chloromethane	n	ug/l	10
2-Chlorotoluene	n	ug/l	10
4-Chlorotoluene	n	ug/l	10
Dibromochloromethane	n	ug/l	10
1,2-Dibromo-3-Chloropropane	n	ug/l	10
1,2-Dibromoethane	n	ug/l	10
Dibromomethane	n	ug/l	10
1,2-Dichlorobenzene	n	ug/l	10
1,3-Dichlorobenzene	n	ug/l	10
1,4-Dichlorobenzene	n	ug/l	10
Dichlorodifluoromethane	n	ug/l	10
1,1-Dichloroethane	n	ug/l	10
1,2-Dichloroethane	n	ug/l	10
1,1-Dichloroethene	n	ug/l	10
cis-1,2-Dichloroethene	n	ug/l	10
trans-1,2-Dichloroethene	n	ug/l	10
1,2-Dichloropropane	n	ug/l	10

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EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0301059-4

COMPOUND	RESULT	REPORTING UNITS	QUANTITATION LIMIT*
1,3-Dichloropropane	n	ug/l	10
2,2-Dichloropropane	n	ug/l	10
1,1-Dichloropropene	n	ug/l	10
cis-1,3-Dichloropropene	n	ug/l	10
trans-1,3-Dichloropropene	n	ug/l	10
1,4-Dioxane	n	ug/l	500
Ethyl Benzene	n	ug/l	10
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/l	10
Hexachlorobutadiene	n	ug/l	10
2-Hexanone (MBK)	n	ug/l	100
Isopropylbenzene	n	ug/l	10
Di-Isopropyl Ether (DIPE)	n	ug/l	10
p-Isopropyltoluene	n	ug/l	10
4-Methyl-2-Pentanone (MIBK)	n	ug/l	100
Methylene Chloride	n	ug/l	20
Methyl Tert-Butyl Ether (MTBE)	n	ug/l	10
Napthalene	n	ug/l	10
n-Propylbenzene	n	ug/l	10
Styrene	n	ug/l	10
Tert-Amyl Methyl Ether (TAME)	n	ug/l	10
1,1,1,2-Tetrachloroethane	n	ug/l	10
1,1,2,2-Tetrachloroethane	n	ug/l	10
Tetrachloroethene	n	ug/l	10
Tetrahydrofuran	n	ug/l	100
tert - Butanol (TBA)	n	ug/l	1000
Toluene	n	ug/l	10
1,2,3-Trichlorobenzene	n	ug/l	10
1,2,4-Trichlorobenzene	n	ug/l	10
1,1,1-Trichloroethane	n	ug/l	10
1,1,2-Trichloroethane	n	ug/l	10
Trichloroethene	n	ug/l	10
1,1,2-Trichlorotrifluoroethane	n	ug/l	10
Trichlorofluoromethane	n	ug/l	10
1,2,3-Trichloropropane	n	ug/l	10
1,2,4-Trimethylbenzene	n	ug/l	10
1,3,5-Trimethylbenzene	n	ug/l	10
Vinyl Acetate	n	ug/l	10
Vinyl Chloride	n	ug/l	10
Total Xylenes	n	ug/l	20

SURROGATES	RECOVERY	%	CONTROL LIMITS (%)
1,2-Dichloroethane-d4	97.4	%	28-145
Toluene-d8	125	%	52-150
4-Bromofluorobenzene	102	%	43-155

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the quantitation limit.
* - QL raised due to required dilution

Reported By

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BASIC LABORATORY CHAIN OF CUSTODY RECORD

2218 Railroad Avenue, Redding, CA 96001 (530) 243-7234 FAX 243-7494

CLIENT NAME: PSI	PROJECT NAME: PALACE GARAGE	PROJECT #: 26033	LAB #: 0301059
ADDRESS: ON FILE	REQUESTED COMP. DATE: 1-17-03		# SAMP: 4
	TURN AROUND TIME: STD ☑ RUSH ☐		PAGE 1 OF 1
PROJECT MANAGER: FRANK ROSS	ANALYSES REQUESTED		REP:
PHONE: 510 434-9200	FAX: 510-434-7676	E-MAIL:	I.D.#
INVOICE TO: SAME	PO#:		SYSTEM #:
SPECIAL MAIL ☐	E-MAIL ☑	FAX ☐	CUST. SEAL
			ICE
			QC = 1 2 3 4

DATE	TIME	WATER	COMP	SOIL	SAMPLE DESCRIPTION	# OF BOTTLES	TPHg	8260 W/OXY	LAB ID	REMARKS
12/31/02	1315	X			MW-1	4+DA	X	X	1	
12/31/02	1250	X			MW-2	↓	X	X	2	
1/02/03	1315	X			MW-3		X	X	3	
12/31/02	1230	X			MW-4		X	X	4	
					NO TB'S					

PRESERVATIONS HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ ZnAce/NaOH ☐ HCL ☐ Nathio ☐

SAMPLED BY: CHRIS MERRITT	DATE/TIME: 12/31/02 - 1/01/03	RELINQUISHED BY: CHRIS MERRITT	DATE/TIME: 1/2/03 1630
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB: Rochelle McKnowlton 1-3-03	DATE/TIME: 8:55	SAMPLE SHIPPED VIA: UPS POST BUS FED-EX OTHER _____	

INSTRUCTIONS, TERMS, CONDITIONS ON BACK.

BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE.B OAKLAND, CA 94601	***Lab No:***	0212447A
		Date:	01/08/03
		Phone:	(510) 434-9200
		Date Sampled:	12/06/02
Attention:	FRANK POSS	***Date Received:***	12/13/02
		Project No.:	575-2G033

Project Name: PALACE GARAGE

Sample Description: SOIL TESTING

Test:	***TPH-Gas Range Organics***	***4-Bromofluorobenzene***	***Reporting Limit***	***Date Analyzed***
Method:	8015	*Surrogate*		
Units:	mg/kgW	%	mg/kgW	
Control Limit:		39-128		
Sample ID				
SB-16-15.0'	n	64.3	0.06	12/16/02

Comments: California D.O.H.S. Cert. #1677.
n - Not detected at the reporting limit.
mg/kgW

Reported by:

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EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0212447A
	4703 TIDEWATER AVE., STE.B	***Phone:***	510-434-9200
	OAKLAND, CA 94601		
		Date Sampled:	12/06/02
Attention:	FRANK POSS	***Date Received:***	12/13/02
Project Name:	PALACE GARAGE	***Date Analyzed:***	12/16/02
Project Number:	575-2G033	***Date Reported:***	01/08/03
Sampling Location:			
Sample ID:	SB-16-15.0'		
Sample Matrix:	SOIL		
Sample Collected By:	BRAND BURFIELD		

COMPOUND	RESULT	REPORTING UNITS	QUANTITATION LIMIT
Acetone	n	ug/kg	50
Acrylonitrile	n	ug/kg	50
Benzene	n	ug/kg	5
Bromobenzene	n	ug/kg	5
Bromochloromethane	n	ug/kg	5
Bromodichloromethane	n	ug/kg	5
Bromoform	n	ug/kg	5
Bromomethane	n	ug/kg	5
2-Butanone (MEK)	n	ug/kg	50
n-Butylbenzene	n	ug/kg	5
sec-Butylbenzene	n	ug/kg	5
tert-Butylbenzene	n	ug/kg	5
Carbon Disulfide	n	ug/kg	5
Carbon tetrachloride	n	ug/kg	5
Chlorobenzene	n	ug/kg	5
Chloroethane	n	ug/kg	5
2-Chloroethylvinylether	n	ug/kg	5
Chloroform	n	ug/kg	5
Chloromethane	n	ug/kg	5
2-Chlorotoluene	n	ug/kg	5
4-Chlorotoluene	n	ug/kg	5
Dibromochloromethane	n	ug/kg	5
1,2-Dibromo-3-Chloropropane	n	ug/kg	5
1,2-Dibromoethane	n	ug/kg	5
Dibromomethane	n	ug/kg	5
1,2-Dichlorobenzene	n	ug/kg	5
1,3-Dichlorobenzene	n	ug/kg	5
1,4-Dichlorobenzene	n	ug/kg	5
Dichlorodifluoromethane	n	ug/kg	5
1,1-Dichloroethane	n	ug/kg	5
1,2-Dichloroethane	n	ug/kg	5
1,1-Dichloroethene	n	ug/kg	5
cis-1,2-Dichloroethene	n	ug/kg	5
trans-1,2-Dichloroethene	n	ug/kg	5
1,2-Dichloropropane	n	ug/kg	5

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EPA METHOD 8260

Report To: P.S.I. *Lab Number:* 0212447A

COMPOUND	RESULT	REPORTING UNITS	QUANTITATION LIMIT
1,3-Dichloropropane	n	ug/kg	5
2,2-Dichloropropane	n	ug/kg	5
1,1-Dichloropropene	n	ug/kg	5
cis-1,3-Dichloropropene	n	ug/kg	5
trans-1,3-Dichloropropene	n	ug/kg	5
1,4-Dioxane	n	ug/kg	250
Ethyl Benzene	n	ug/kg	5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/kg	5
Hexachlorobutadiene	n	ug/kg	5
2-Hexanone (MBK)	n	ug/kg	50
Isopropylbenzene	n	ug/kg	5
Di-Isopropyl Ether (DIPE)	n	ug/kg	5
p-Isopropyltoluene	n	ug/kg	5
4-Methyl-2-Pentanone (MIBK)	n	ug/kg	50
Methylene Chloride	n	ug/kg	10
Methyl Tert-Butyl Ether (MTBE)	n	ug/kg	5
Napthalene	n	ug/kg	5
n-Propylbenzene	n	ug/kg	5
Styrene	n	ug/kg	5
Tert-Amyl Methyl Ether (TAME)	n	ug/kg	5
1,1,1,2-Tetrachloroethane	n	ug/kg	5
1,1,2,2-Tetrachloroethane	n	ug/kg	5
Tetrachloroethene	n	ug/kg	5
Tetrahydrofuran	n	ug/kg	50
tert - Butanol (TBA)	n	ug/kg	40
Toluene	n	ug/kg	5
1,2,3-Trichlorobenzene	n	ug/kg	5
1,2,4-Trichlorobenzene	n	ug/kg	5
1,1,1-Trichloroethane	n	ug/kg	5
1,1,2-Trichloroethane	n	ug/kg	5
Trichloroethene	n	ug/kg	5
1,1,2-Trichlorotrifluoroethane	n	ug/kg	5
Trichlorofluoromethane	n	ug/kg	5
1,2,3-Trichloropropane	n	ug/kg	5
1,2,4-Trimethylbenzene	n	ug/kg	5
1,3,5-Trimethylbenzene	n	ug/kg	5
Vinyl Acetate	n	ug/kg	5
Vinyl Chloride	n	ug/kg	5
Total Xylenes	n	ug/kg	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	39.2	%	11-185
Toluene-d8	86.3	%	19-168
4-Bromofluorobenzene	64.3	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the quantitation limit.

Reported By

2218 Railroad Ave. • Redding, CA 96001 • v 530.243.7234 • f 530.243.7494 • www.basiclabinc.com

BASIC LABORATORY CHAIN OF CUSTODY RECORD

2218 Railroad Ave., Redding, CA 96001 (530) 243-7234 FAX (530) 243-7494

LAB #: 0212447A

CLIENT NAME: PSI

PROJECT NAME:

PROJECT #:

SAMPLE TYPE: SOIL

ADDRESS: 4703 Tidewater Ave Oakland, CA

REQUESTED COMP. DATE: 1-13-03

STATE FORMS? ☐

OF SAMPLES: 1

TURN AROUND TIME: STD ☒ RUSH ☐

PAGE 1 OF 1

PROJECT MANAGER: Frank Poss

PHONE: 510-434-9200 FAX: 510 434 7676 E-MAIL:

INVOICE TO: PSI PO#:

SPECIAL MAIL ☐ E-MAIL ☐ FAX ☐ EDT ☐

DATE	TIME	WATER	COMP	SOIL	SAMPLE DESCRIPTION	# OF BOTTLES	ANALYSIS REQUESTED: TPH-G	ANALYSIS REQUESTED: 8260 B	LAB ID	REMARKS
12.6.02	10:05			X	SB-16-15.0'		X	X	1	

REP:

ID#:

SYSTEM#:

GLOBAL ID #:

QC = 1 2 3 4

* Additional testing requested per Brandi 12.30.02 RM

PRESERVED WITH: HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ ZnAce/NaOH ☐ HCL ☐ NaThio ☐ OTHER_____

SAMPLED BY: Brandi B.	DATE/TIME: 12-6-02	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY: (SAMPLES UNVERIFIED) Rochelle M Knowlton 12-13-02	DATE/TIME: 1517	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB: (VERIFIED) Rochelle M Knowlton 12-30-02	DATE/TIME: 9:05	SAMPLES SHIPPED VIA: UPS FEDEX POST BUS OTHER_____	

INSTRUCTIONS, TERMS AND CONDITIONS ON BACK.

BASIC LABORATORY, INC.

Report To:	P.S.I. 4703 TIDEWATER AVE., STE.B OAKLAND, CA 94601	**Lab No:**	0212447-2
		Date:	12/30/02
		Phone:	(510) 434-9200
		Date Sampled:	12/06/02
Attention:	FRANK POSS	**Date Received:**	12/13/02
		Project No.:	575-2G033
Project Name:	PALACE GARAGE		
Sample Description:	SOIL TESTING	**Page 1 of 3**	

Test:	TPH-Gas Range Organics	4-Bromofluorobenzene	Reporting Limit	Date Analyzed
Method:	8015	Surrogate		
Units:	mg/kgW	%	mg/kgW	
Control Limit:		39-128		
Sample ID				
SB-17-19.0'	292	83.4	0.060	12/16/02

Comments: California D.O.H.S. Cert. #1677.
n - Not detected at the reporting limit.
mg/kgW

Reported by:

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EPA METHOD 8260

Report To:	P.S.I.	***Lab Number:***	0212447-2
	4703 TIDEWATER AVE., STE.B	***Phone:***	510-434-9200
	OAKLAND, CA 94601		
		Date Sampled:	12/06/02
Attention:	FRANK POSS	***Date Received:***	12/13/02
Project Name:	PALACE GARAGE	***Date Analyzed:***	12/16/02
Project Number:	575-2G033	***Date Reported:***	12/30/02
Sampling Location:			
Sample ID:	SB-17-19.0'		
Sample Matrix:	SOIL		
Sample Collected By:	BRAND BURFIELD		

COMPOUND	RESULT	REPORTING UNITS	QUANTITATION LIMIT
Acetone	n	ug/kg	50
Acrylonitrile	n	ug/kg	50
Benzene	n	ug/kg	5
Bromobenzene	n	ug/kg	5
Bromochloromethane	n	ug/kg	5
Bromodichloromethane	n	ug/kg	5
Bromoform	n	ug/kg	5
Bromomethane	n	ug/kg	5
2-Butanone (MEK)	n	ug/kg	50
n-Butylbenzene	259	ug/kg	5
sec-Butylbenzene	302	ug/kg	5
tert-Butylbenzene	n	ug/kg	5
Carbon Disulfide	n	ug/kg	5
Carbon tetrachloride	n	ug/kg	5
Chlorobenzene	n	ug/kg	5
Chloroethane	n	ug/kg	5
2-Chloroethylvinylether	n	ug/kg	5
Chloroform	n	ug/kg	5
Chloromethane	n	ug/kg	5
2-Chlorotoluene	n	ug/kg	5
4-Chlorotoluene	n	ug/kg	5
Dibromochloromethane	n	ug/kg	5
1,2-Dibromo-3-Chloropropane	n	ug/kg	5
1,2-Dibromoethane	n	ug/kg	5
Dibromomethane	n	ug/kg	5
1,2-Dichlorobenzene	n	ug/kg	5
1,3-Dichlorobenzene	n	ug/kg	5
1,4-Dichlorobenzene	n	ug/kg	5
Dichlorodifluoromethane	n	ug/kg	5
1,1-Dichloroethane	n	ug/kg	5
1,2-Dichloroethane	n	ug/kg	5
1,1-Dichloroethene	n	ug/kg	5
cis-1,2-Dichloroethene	n	ug/kg	5
trans-1,2-Dichloroethene	n	ug/kg	5
1,2-Dichloropropane	n	ug/kg	5

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EPA METHOD 8260

Report To: P.S.I. ***Lab Number:*** 0212447-2

COMPOUND	RESULT	REPORTING UNITS	QUANTITATION LIMIT
1,3-Dichloropropane	n	ug/kg	5
2,2-Dichloropropane	n	ug/kg	5
1,1-Dichloropropene	n	ug/kg	5
cis-1,3-Dichloropropene	n	ug/kg	5
trans-1,3-Dichloropropene	n	ug/kg	5
1,4-Dioxane	n	ug/kg	250
Ethyl Benzene	n	ug/kg	5
Ethyl-Tert-Butyl Ether (ETBE)	n	ug/kg	5
Hexachlorobutadiene	n	ug/kg	5
2-Hexanone (MBK)	n	ug/kg	50
Isopropylbenzene	34	ug/kg	5
Di-Isopropyl Ether (DIPE)	n	ug/kg	5
p-Isopropyltoluene	20	ug/kg	5
4-Methyl-2-Pentanone (MIBK)	n	ug/kg	50
Methylene Chloride	n	ug/kg	10
Methyl Tert-Butyl Ether (MTBE)	n	ug/kg	5
Napthalene	n	ug/kg	5
n-Propylbenzene	87	ug/kg	5
Styrene	n	ug/kg	5
Tert-Amyl Methyl Ether (TAME)	n	ug/kg	5
1,1,1,2-Tetrachloroethane	n	ug/kg	5
1,1,2,2-Tetrachloroethane	n	ug/kg	5
Tetrachloroethene	n	ug/kg	5
Tetrahydrofuran	n	ug/kg	50
tert - Butanol (TBA)	n	ug/kg	40
Toluene	n	ug/kg	5
1,2,3-Trichlorobenzene	n	ug/kg	5
1,2,4-Trichlorobenzene	n	ug/kg	5
1,1,1-Trichloroethane	n	ug/kg	5
1,1,2-Trichloroethane	n	ug/kg	5
Trichloroethene	n	ug/kg	5
1,1,2-Trichlorotrifluoroethane	n	ug/kg	5
Trichlorofluoromethane	n	ug/kg	5
1,2,3-Trichloropropane	n	ug/kg	5
1,2,4-Trimethylbenzene	n	ug/kg	5
1,3,5-Trimethylbenzene	n	ug/kg	5
Vinyl Acetate	n	ug/kg	5
Vinyl Chloride	n	ug/kg	5
Total Xylenes	n	ug/kg	10
SURROGATES	**RECOVERY**	**%**	**CONTROL LIMITS (%)**
1,2-Dichloroethane-d4	67.8	%	11-185
Toluene-d8	110	%	19-168
4-Bromofluorobenzene	83.4	%	39-128

Comments:
California D.O.H.S Cert # 1677
n - Not detected at the quantitation limit.

Reported By

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BASIC LABORATORY CHAIN OF CUSTODY RECORD

2218 Railroad Avenue, Redding, CA 96001 (530) 243-7234 FAX 243-7494

CLIENT NAME: PROFESSIONAL SERVICE INDUSTRIES

ADDRESS: 4709 TIDEWATER AVE OAKLAND, CA 94601

PROJECT MANAGER: FRANK POSS

PHONE: 510 434 9200 FAX: 510 434 7676 E-MAIL:

INVOICE TO: PSI PO#:

SPECIAL MAIL ☐ E-MAIL ☐ FAX ☐

PROJECT NAME: PARKS GARAGE PROJECT #: 575-2G033

REQUESTED COMP. DATE: 12-30-02

TURN AROUND TIME: STD ☒ RUSH ☐

LAB #: 0212447

SAMP: 2

PAGE 1 OF 1

ANALYSES REQUESTED

DATE	TIME	WATER	COMP	SOIL	SAMPLE DESCRIPTION	# OF BOTTLES	TPH-G	8260B (VOC's)	LAB ID	REMARKS
12/6/02	10:05			X	SB-16-15.0'	1			1	HOLD
"	12:10			X	SB-17-19.0'	1	X	X	2	

REP:
I.D.#:
SYSTEM #:
CUST. SEAL
ICE
QC = 1 2 3 4

PRESERVATIONS HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ ZnAce/NaOH ☐ HCL ☐ Nathio ☐

SAMPLED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
BRAND BURGESS	12/6/02		12/12/02 17:05
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB: Michelle Knowlton 12-13-02	DATE/TIME: 7:17	SAMPLE SHIPPED VIA: UPS POST BUS (FED-EX) OTHER	

INSTRUCTIONS, TERMS, CONDITIONS ON BACK.