



# KAPREALIAN ENGINEERING, INC.

Consulting Engineers

P.O. BOX 996 • BENICIA, CA 94510  
(707) 746-6915 • (707) 746-6916 • FAX: (707) 746-5581

KEI-J91-0903.R1  
January 16, 1992

A.A. Johnson  
1164 - 66th Avenue  
Oakland, California

Attention: Mr. John Twomey

RE: Soil Sampling Report  
A.A. Johnson  
1164 - 66th Avenue  
Oakland, California

Dear Mr. Twomey:

This report summarizes the soil sampling performed by Kaprealian Engineering, Inc. (KEI) at the referenced site. All work was performed in compliance with the guidelines established by the Regional Water Quality Control Board (RWQCB), and the Alameda County Health Care Services Agency.

The scope of the work performed by KEI consisted of the following:

Coordination with regulatory agencies

Collection of soil samples from beneath a fuel tank and from the fuel tank pit sidewalls

Collection of a water sample from the fuel storage tank pit

Delivery of samples, including proper Chain of Custody documentation, to a certified analytical laboratory

Technical review and preparation of this report

## SITE DESCRIPTION AND BACKGROUND

The subject site is presently used as the offices, shop, and yard of a concrete construction contractor. A Location Map and a Site Plan are attached to this report. No leaks or previous subsurface work performed at the site are known to KEI.

## FIELD ACTIVITIES

KEI's field work was conducted on September 18, 1991, when two underground gasoline storage tanks were removed from the site. The

tanks consisted of one 8,000 gallon and one 1,000 gallon gasoline storage tanks. The tanks were made of steel, and no apparent holes or cracks were observed in the tanks. Ms. Susan L. Hugo of the Alameda County Health Care Services Agency was present during tank removal and subsequent soil sampling.

Two soil samples, labeled A1 and A2, were collected from beneath the 1,000 gallon gasoline tank at depths of approximately 7.5 feet below grade. Water was encountered in the fuel tank pit at a depth of approximately 9 feet below grade, thus prohibiting the collection of any soil samples from immediately beneath the 8,000 gallon fuel tank. Two soil samples, labeled SW1 and SW2, were collected from the sidewalls of the fuel tank pit, each approximately 6 to 12 inches above the observed water table. The undisturbed samples were collected from bulk material that was excavated by backhoe. The samples were placed in clean, two-inch diameter brass tubes, sealed with aluminum foil, plastic caps and tape, and stored in a cooled ice chest for delivery to a State certified laboratory. Sample point locations are as shown on the attached Site Plan.

Upon review of the analytical results for the initial tank pit samples, soil was overexcavated from the area beneath the 1,000 gallon fuel tank from a depth of approximately 7.5 feet below grade to the depth of ground water. On November 13, 1991, KEI returned to the site in order to collect additional soil samples from the sidewalls of the fuel tank pit excavation. Two soil samples, labeled SW3 and SW4, were collected from the sidewalls of the fuel tank pit excavation at depths of 6 to 12 inches above the observed water table. The samples were collected and handled as previously described. Sample point locations are shown on the attached Site Plan. Excavated soil was stockpiled on-site for further sampling. Again, Ms. Hugo was on-site during sampling.

After soil sampling was completed, approximately 6,100 gallons of ground water were pumped from the fuel tank pit. Also on November 13, 1991, one water sample, labeled W1, was collected from the fuel tank pit in two clean glass VOA vials with Teflon screw caps. The water sample was stored and delivered as described above.

In an attempt to remove as much of the contaminated soil as possible, KEI returned to the site on December 13, 1991, to observe additional soil excavation in the area of sample points SW3 and SW4, as shown on the attached Site Plan. Two sidewalls (adjacent to sample points SW3 and SW4) were excavated laterally 3 feet and 1.25 feet, respectively, and to a depth of about 10.5 feet below grade. Two additional soil samples, labeled SW3(3) and SW4(1.25), were collected from the sidewalls of the fuel tank pit excavation at depths of about 8.5 feet below grade. Soil samples were collected and handled as described above. Sample point locations

are shown on the attached Site Plan. Excavated soil was stockpiled separately on-site for further sampling. Ms. Hugo was present during this additional soil sampling.

Copies of the Uniform Hazardous Waste Manifests for tank disposal, tank residue disposal, and purged ground water disposal are attached to this report. Also attached to this report is a completed Underground Storage Tank Unauthorized Release/Contamination Site Report.

#### SUBSURFACE CONDITIONS

The subsurface soils exposed in the excavation consisted primarily of silty clay with gravel.

#### ANALYTICAL RESULTS

All samples were analyzed by Sequoia Analytical Laboratory in Concord, California, and were accompanied by properly executed Chain of Custody documentation. All soil samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline using EPA method 5030 in conjunction with modified 8015, and benzene, toluene, xylenes, and ethylbenzene (BTX&E) using EPA method 8020. The water sample was also analyzed for TPH as gasoline and BTX&E.

Analytical results of the initial soil samples collected from the fuel tank pit indicated non-detectable levels of TPH as gasoline for samples SW1 and A2, while samples SW2 and A1 showed levels of TPH as gasoline at 4.4 ppm and 220 ppm, respectively. Analytical results of soil samples SW3 and SW4 (collected after excavation of soil beneath samples A1 and A2) indicated levels of TPH as gasoline at 120 ppm and 28 ppm, respectively. However, after additional excavation, analyses of soil samples SW3(3) and SW4(1.25), collected following lateral excavation in the vicinity of samples SW3 and SW4, indicated levels of TPH as gasoline at 1.1 ppm and non-detectable, respectively. Results of the soil analyses are summarized in Table 1.

Analytical results of the water sample (W1) collected from the fuel tank pit indicated non-detectable levels of TPH as gasoline and BTX&E. The results of the water analyses are summarized in Table 2. Copies of the laboratory analyses and the Chain of Custody documentation are attached to this report.

#### DISTRIBUTION

A copy of this report should be sent to Ms. Susan L. Hugo of the Alameda County Health Care Services Agency, and to the RWQCB, San Francisco Bay Region.

LIMITATIONS

Soil deposits and rock formations may vary in thickness, lithology, saturation, strength and other properties across any site. In addition, environmental changes, either naturally-occurring or artificially-induced, may cause changes in the extent and concentration of any contaminants. Our studies assume that the field and laboratory data are reasonably representative of the site as a whole, and assume that subsurface conditions are reasonably conducive to interpolation and extrapolation.

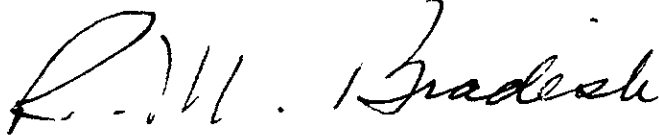
The results of this study are based on the data obtained from the field work and laboratory analyses. We have analyzed this data using what we believe to be currently applicable engineering techniques and principles in the Northern California region. We make no warranty, either expressed or implied, except that our services have been performed in accordance with generally accepted professional principles and practices existing for such work.

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January 16, 1992  
Page 5

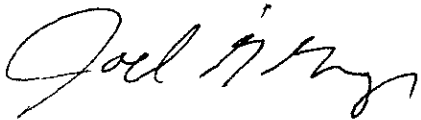
Should you have any questions regarding this report, please feel free to call me at (707) 746-6915.

Sincerely,

Kaprealian Engineering, Inc.



Richard M. Bradish  
Project Engineer



Joel G. Greger  
Certified Engineering Geologist

License No. 1633  
Exp. Date 6/30/92



Timothy R. Ross  
Project Manager

\cmd

Attachments: Tables 1 & 2  
Location Map  
Site Plan  
Uniform Hazardous Waste Manifests  
Underground Storage Tank Unauthorized  
Release/Contamination Site Report  
Laboratory Analyses  
Chain of Custody documentation

KEI-J91-0903.R1  
January 16, 1992

TABLE 1

SUMMARY OF LABORATORY ANALYSES  
SOIL

<u>Sample Number</u>	<u>Depth (feet)</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	<u>Ethyl-benzene</u>
(Collected on September 18, 1991)						
A1	7.5	220	1.1	0.82	ND	ND
A2	7.5	ND	ND	ND	ND	ND
SW1	8.5	ND	ND	ND	ND	ND
SW2	8.5	4.4	ND	ND	ND	ND
(Collected on November 13, 1991)						
SW3	8.5	120	0.076	0.26	1.3	0.75
SW4	8.5	28	ND	ND	0.11	0.071
(Collected on December 13, 1991)						
SW3(3)	8.5	1.1	ND	ND	0.0060	ND
SW4(1.25)	8.5	ND	ND	ND	ND	ND
Detection Limits		1.0	0.0050	0.0050	0.0050	0.0050

ND = Non-detectable.

Results in parts per million (ppm), unless otherwise indicated.

KEI-J91-0903.R1  
January 16, 1992

TABLE 2

SUMMARY OF LABORATORY ANALYSES  
WATER

<u>Date</u>	<u>Sample Number</u>	<u>TPH as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>	<u>Ethyl- benzene</u>
11/13/91	W1	ND	ND	ND	ND	ND
Detection Limits		30	0.3	0.3	0.3	0.3

ND = Non-detectable.

Results in parts per billion (ppb), unless otherwise indicated.



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*Consulting Engineers*

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LOCATION MAP

Base map modified from 7.5 minute U.S.G.S. Oakland West, California Quadrangle (photorevised 1980)

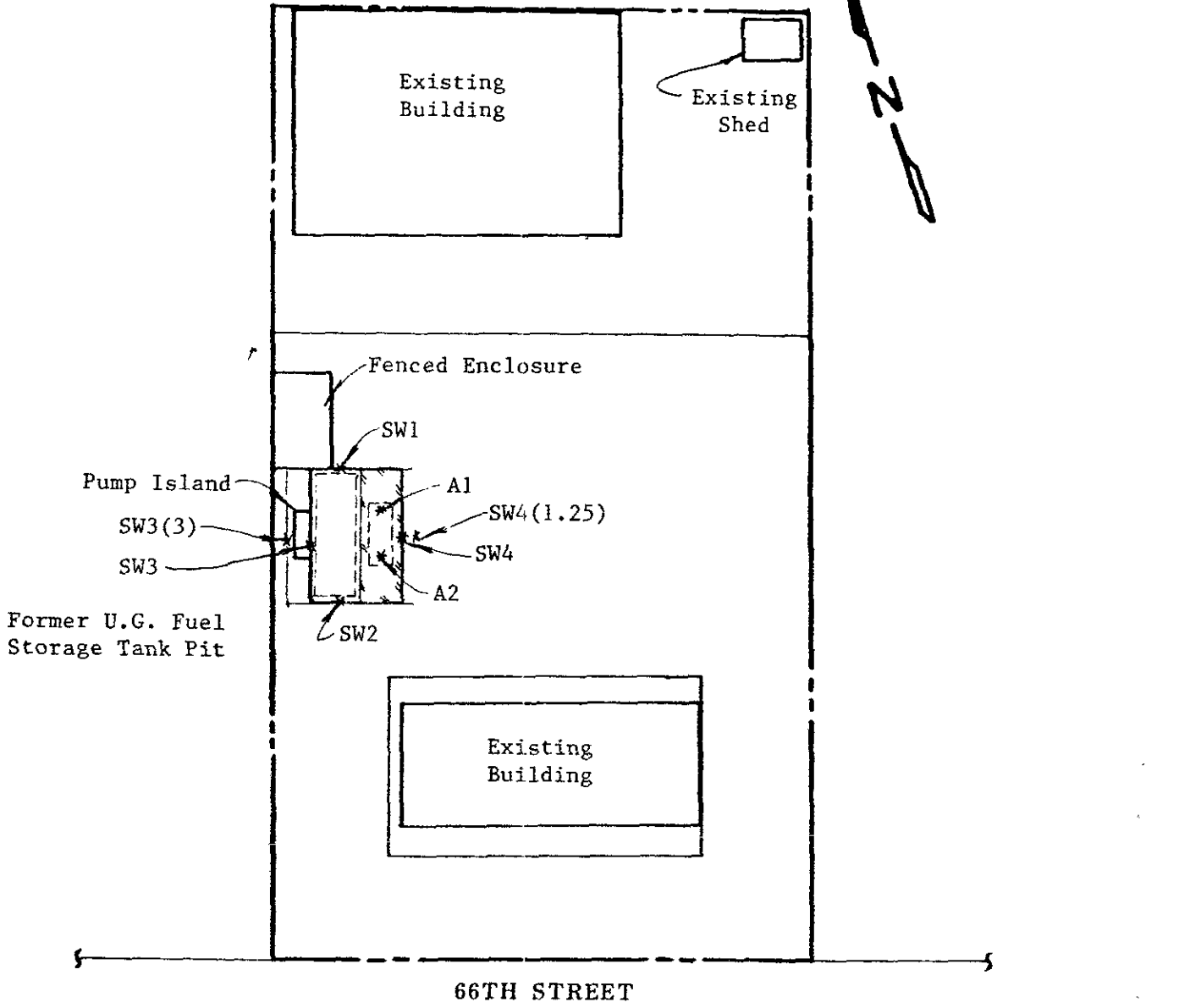
A.A. Johnson  
1164 - 66th Street  
Oakland, CA





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66TH STREET

SITE PLAN

LEGEND

\* Sample Point Location

 Additional Area Excavated to Ground Water

0 30 60  
  
Approx. scale feet

A.A. Johnson  
1164 - 66th Street  
Oakland, CA

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No CA 00000017212000002		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.						
3. Generator's Name and Mailing Address A.A. JOHNSON & SON, INC. 1114 14th Street, Oakland, CA. 94608						A. State Manifest Document Number 30533591								
4. Generator's Phone (415) 658-4796						B. State Generator's ID								
5. Transporter 1 Company Name H & H Ship Service Company			6. US EPA ID Number CA 00004771168			C. State Transporter's ID 206508								
7. Transporter 2 Company Name						D. Transporter's Name (415) 643-4636								
9. Designated Facility Name and Site Address H & H Ship Service Company 220 China Basin Street San Francisco, CA 94107						E. State Transporter's ID								
10. US EPA ID Number CA 00004771168						F. Transporter's Phone								
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.		
a. RESIDUE GASOLINE TANK NON-HAZARDOUS WASTE SOLID						0 0 1 T P 0 1 8 0 0 0		F		State 012		EPA/Other		
b. RESIDUE GASOLINE TANK NON-HAZARDOUS WASTE SOLID						0 0 1 T P 0 1 1 0 0 0		F		State 012		EPA/Other		
c.										State		EPA/Other		
d.										State		EPA/Other		
J. Additional Descriptions for Materials Listed Above EMPTY 8,000 gallon and 1,000 gallon tanks last containing gasoline.  PROFILE #A1242						K. Handling Codes for Wastes Listed Above a. 01 b. 01 c. d.								
15. Special Handling Instructions and Additional Information 300 #8310 24 Hr. Emergency Contact: H & H #415 643 4836 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR														
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.														
Printed/Typed Name					Signature					Month Day Year 11/18/91				
17. Transporter 1 Acknowledgement of Receipt of Materials														
Printed/Typed Name					Signature					Month Day Year 09/18/91				
18. Transporter 2 Acknowledgement of Receipt of Materials														
Printed/Typed Name					Signature					Month Day Year				
19. Discrepancy Indication Space														
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19														
Printed/Typed Name					Signature					Month Day Year				

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9802; WITHIN CALIFORNIA CALL 1-800-952-7660  
 90533581  
 GENERATOR  
 TRANSPORTER  
 FACILITY

Please print or type Form designed for use on site (each typewriter).

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8902; WITHIN CALIFORNIA CALL 1-800-852-7550  
 905533597  
 GENERATOR  
 TRANSPORTER  
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law
3. Generator's Name and Mailing Address A. A. HENNING & SONS, INC. 1114 66th Street, Oakland, CA 94612		CA 000061791200003		A. State Manifest Document Number 905533597	
4. Generator's Phone (415) 668-9796		6. US EPA ID Number CA 0000617911008		B. State Generator's ID HYH035-000257	
5. Transporter 1 Company Name H & H Ship Service Company		8. US EPA ID Number		C. State Transporter's ID 210060	
7. Transporter 2 Company Name		10. US EPA ID Number		D. Transporter's Phone (415) 643-4836	
9. Designated Facility Name and Site Address H & H Ship Service Company 220 China Basin Street San Francisco, CA 94107		10. US EPA ID Number CA 000047711008		E. State Transporter's ID	F. Transporter's Phone
				G. State Facility's ID CA 000077111608	H. Facility's Phone (415) 643-4836
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
a. OIL AND WATER HEAVY POLYMER HAZARDOUS WASTE LIQUID		1	600	g	State 155,134 EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other
J. Additional Descriptions for Materials Listed Above FUEL, OIL AND WATER  PROFILE #A1240		K. Handling Codes for Wastes Listed Above a. 01 b. c. d.			
15. Special Handling Instructions and Additional Information HHS #9323 24 Hr. Emergency Contact: H & H #415/643-4836 SPECIALIST PROTECTIVE CLOTHING AND EQUIPMENT					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name		Signature		Month Day Year 07 18 91	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name NORMAN L. PARR		Signature Month Day Year 07 18 91	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name		Signature		Month Day Year	

Please print or type. Form designed for use on elite (dot matrix) typewriter.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No CA 000006111112000011		Manifest Document No. 000001		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address J.A. JOHNSON & SON, INC. 1704 17th Street, Oakland, CA 94608						A. State Manifest Document Number 90533575					
4. Generator's Phone (510) 638-9795						B. State Generator's ID					
5. Transporter 1 Company Name H & H Ship Service Company		6. US EPA ID Number CA 00004771168		C. State Transporter's ID 200545		D. Transporter's Phone (415) 643-4835					
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone					
9. Designated Facility Name and Site Address H & H Ship Service Company 20 China Basin Street San Francisco, CA 94107						10. US EPA ID Number CA 00004771168		G. State Facility's ID		H. Facility's Phone (415) 643-4835	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit	
a. OIL AND WATER NON-PCRA HAZARDOUS WASTE LIQUID						No. Type		Quantity		Wt/Vol	
						1 001 TT		1,000		L	
										State 133,124	
										EPA/Other	
										State	
										EPA/Other	
										State	
										EPA/Other	
J. Additional Descriptions for Materials Listed Above FUEL, OIL AND WATER  PROFILE #4130						K. Handling Codes for Wastes Listed Above a. 01 b. c. d.					
15. Special Handling Instructions and Additional Information DO NOT SPILL 24 Hr. Emergency Contact: H & H 415-643-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name JIM TOMEY						Signature <i>J. Tomey</i>			Month Day Year 04 17 91		
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name JIM TOMEY						Signature <i>J. Tomey</i>			Month Day Year 04 17 91		
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature			Month Day Year		
19. Discrepancy Indication Space											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19											
Printed/Typed Name						Signature			Month Day Year		

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA CALL 1-800-652-7550

90533575

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

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

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

**A. JONHSON & SON, INC.**  
1164 66th Street Oakland, CA 94617  
4. Generator's Phone (415) 658-4796

A. State Manifest Document Number

**91507807**

B. State Generator's ID

5. Transporter 1 Company Name

**H & H Ship Service Company**

6. USEPA ID Number

CA 10 00117 17 11 11 16 18

C. State Transporter's ID

D. Transporter's Phone

(415) 843-4835

7. Transporter 2 Company Name

8. USEPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

**H & H Ship Service Company**  
200 China Basin Street  
San Francisco, CA 94107

10. USEPA ID Number

CA 10 00117 17 11 11 16 18

G. State Facility's ID

H. Facility's Phone

(415) 843-4835

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

a. OIL AND WATER  
NON HAZARDOUS WASTE LIQUID

12. Containers

No. Type

13. Total Quantity

14. Unit WT/Vol

02500

15. Waste Number

State EPA/Other

State EPA/Other

State EPA/Other

State EPA/Other

State EPA/Other

J. Additional Descriptions for Materials Listed Above

FUEL, OIL AND WATER

PROFILE #11249

K. Handling Codes for Wastes Listed Above

a. b.

c. d.

15. Special Handling Instructions and Additional Information

JFR #9514  
24 Hr. Emergency Contact: H & H # (415) 843-4835  
APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

**JOHN TWOMEY**

Signature

*[Signature]*

Month Day Year

1 0 1 2 8 1 9

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

**ROBERT V. PATRIZZI**

Signature

*[Signature]*

Month Day Year

1 0 1 2 8 1 9

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in item 19

Printed/Typed Name

Signature

Month Day Year

DO NOT WRITE BELOW THIS LINE.

91507807

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-652-7550

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address A. A. JOHNSON & SON INC. 1104 - 66th Street Oakland, CA 94615				4. Generator's Phone (510) 552-0700		A. State Manifest Document Number <b>91507272</b>		B. State Generator's ID	
5. Transporter 1 Company Name H & H Ship Service COMPANY		6. US EPA ID Number		C. State Transporter's ID 200000		D. Transporter's Phone (415) 543-4835		E. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		F. State Transporter's ID		G. State Facility's ID C12101011711111111		H. Facility's Phone	
9. Designated Facility Name and Site Address H & H Ship Service Company 220 China Basin Street San Francisco CA 94107				10. US EPA ID Number		I. State Facility's ID		J. Facility's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit W/Vol	
				No.	Type				
a. OIL AND WATER NON-RCRA HAZARDOUS WASTE LIQUID				1		1		State EPA/Other	
b.								State EPA/Other	
c.								State EPA/Other	
d.								State EPA/Other	
15. Additional Descriptions for Materials Listed Above FUEL, OIL AND MIXED PROFILE PAI210				K. Handling Codes for Wastes Listed Above		a.		b.	
						c.		d.	
15. Special Handling Instructions and Additional Information JOB 29607 24 Hr. Emergency Contact: H & H 415 543 4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name				Signature				Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name WAYSON H. MC DONALD				Signature				Month Day Year 11 11 16 11	
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature				Month Day Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19									
Printed/Typed Name				Signature				Month Day Year	

91507272  
 GENERATOR  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.





# SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520  
(510) 686-9066 • FAX (510) 686-9689

Kaprealian Engineering, Inc.

P.O. Box 996

Benicia, CA 94510

Attention: Mardo Kaprealian, P.E.

Client Project ID: R.W. Johnston, A.A. Johnson, 1164 66th St.,

Matrix Descript: Soil

Analysis Method: EPA 5030/8015/8020

First Sample #: 109-1824

Sampled: Sep 18, 1991

Received: Sep 19, 1991

Analyzed: Sep 26, 1991

Reported: Oct 11, 1991

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P.	Benzene	Toluene	Ethyl	Xylenes
		Hydrocarbons			Benzene	
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
109-1824	SW1	N.D.	N.D.	N.D.	N.D.	N.D.
109-1825	SW2	4.4	N.D.	N.D.	N.D.	N.D.
109-1826	A1	220	1.1	0.82	N.D.	N.D.
109-1827	A2	N.D.	N.D.	N.D.	N.D.	N.D.

### Detection Limits:

1.0

0.0050

0.0050

0.0050

0.0050

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard  
Analytes reported as N.D. were not present above the stated limit of detection

SEQUOIA ANALYTICAL

*Belinda C. Vega*  
Belinda C. Vega  
Laboratory Director





# SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520  
(510) 686-9066 • FAX (510) 686-9689

Kaprealian Engineering, Inc.  
P.O. Box 996  
Benicia, CA 94510

Client Project ID: R.W. Johnston, A.A. Johnson, 1164 66th St.,

Attention: Mardo Kaprealian, P.E. QC Sample Group: 1091824-27

Reported: Oct 11, 1991

## QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
		EPA	EPA	EPA
Method:	8015/8020	8015/8020	8015/8020	8015/8020
Analyst:	R.H./J.F.	R.H./J.F.	R.H./J.F.	R.H./J.F.
Reporting Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Date Analyzed:	Sep 26, 1991	Sep 26, 1991	Sep 26, 1991	Sep 26, 1991
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.4	0.4	0.4	1.2
Conc. Matrix Spike:	0.39	0.38	0.42	1.2
Matrix Spike % Recovery:	98	95	95	100
Conc. Matrix Spike Dup.:	0.44	0.43	0.47	1.4
Matrix Spike Duplicate % Recovery:	110	110	120	120
Relative % Difference:	12	12	11	15

Laboratory blank contained the following analytes: None Detected

SEQUOIA ANALYTICAL

*Belinda C. Vega*  
Belinda C Vega  
Laboratory Director

% Recovery	$\frac{\text{Conc of M S} - \text{Conc of Sample}}{\text{Spike Conc Added}} \times 100$
Relative % Difference	$\frac{\text{Conc of M S} - \text{Conc of M S D}}{(\text{Conc of M S} + \text{Conc of M S D}) / 2} \times 100$



# SEQUOIA ANALYTICAL

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Kaprealian Engineering, Inc.

Client Project ID: R.W. Johnston, A.A. Johnson, 1164 66th St.,

P.O. Box 996

Benicia, CA 94510

Attention: Mardo Kaprealian, P.E. QC Sample Group: 1091824-27

Reported: Oct 11, 1991

## QUALITY CONTROL DATA REPORT

### SURROGATE

	EPA	EPA	EPA	EPA	EPA
Method:	8015/8020	8015/8020	8015/8020	8015/8020	8015/8020
Analyst:	R.H./J.F.	R.H./J.F.	R.H./J.F.	R.H./J.F.	R.H./J.F.
Reporting Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Date Analyzed:	Sep 26, 1991	Sep 26, 1991	Sep 26, 1991	Sep 26, 1991	Sep 26, 1991
Sample #:	109-1824	109-1825	109-1826	109-1827	Blank

Surrogate					
% Recovery:	97	92	100	95	110

SEQUOIA ANALYTICAL

*Belinda C. Vega*  
Belinda C. Vega  
Laboratory Director

% Recovery	$\frac{\text{Conc of MS} - \text{Conc of Sample}}{\text{Spike Conc Added}} \times 100$
Relative % Difference	$\frac{\text{Conc of MS} - \text{Conc of MSD}}{(\text{Conc of MS} + \text{Conc of MSD}) / 2} \times 100$

1091824 KE1 <3>



# KAPREALIAN ENGINEERING, INC.

## CHAIN OF CUSTODY

SAMPLER		SITE NAME & ADDRESS							ANALYSES REQUESTED				TURN AROUND TIME:	
E.M. Bradish		R.W. JOHNSON A.A. JOHNSON 1164 - 66 <sup>TH</sup> ST. OAKLAND, CA							TPH-S+P+V				10 Day	
WITNESSING AGENCY SUSAN HUXO ALAMEDA CITY HEALTH														
SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION					REMARKS	
SW1	9/10/91		✓	✓			1	FUEL TR PIT	✓					1091824
SW2	↓		✓	✓			1	" " "	✓					1825 1826
A1	9/10/91		✓	✓			1	FUEL TR PIT	✓					1827
A2	↓		✓	✓			1	" " "	✓					

Relinquished by: (Signature) E.M. Bradish	Date/Time 9.19.91 9:00 AM	Received by: (Signature) Kim Van Slambrook
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)

- The following MUST BE completed by the laboratory accepting samples for analysis:
- Have all samples received for analysis been stored in ice?
  - Will samples remain refrigerated until analyzed?
  - Did any samples received for analysis have head space? NA
  - Were samples in appropriate containers and properly packaged?
- Signature: W.S. Title: S.A. Date: 9.19.91



# SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520  
(510) 686-9600 • FAX (510) 686-9689

Kaprealian Engineering, Inc.	Client Project ID: AA Johnson Co., 1164-66th St., Oakland	Sampled: Nov 13, 1991
P.O. Box 996	Matrix Descript: Soil	Received: Nov 14, 1991
Benicia, CA 94510	Analysis Method: EPA 5030/8015/8020	Analyzed: Nov 26, 1991
Attention: Mañdo Kaprealian, P.E.	First Sample #: 111-1017	Reported: Dec 4, 1991

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P.	Benzene		Ethyl	Xylenes
		Hydrocarbons	mg/kg	Toluene	Benzene	
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
111-1017	SW-3	120	0.076	0.26	0.75	1.3
111-1018	SW-4 <sub>r</sub>	28	N.D.	N.D.	0.071	0.11

Method Detection Limits:	1.0	0.0050	0.0050	0.0050	0.0050
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Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard

SEQUOIA ANALYTICAL

*Belinda C. Vega*  
Belinda C Vega  
Laboratory Director



# SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520  
(510) 686-9600 • FAX (510) 686-9689

Kaprealian Engineering, Inc.

Client Project ID: AA Johnson Co., 1164-66th St., Oakland

P.O. Box 996

Benicia, CA 94510

Attention: Mardo Kaprealian, P.E. QC Sample Group: 1111017-18

Reported: Dec 4, 1991

## QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020
Analyst:	R.H./J.F.	R.H./J.F.	R.H./J.F.	R.H./J.F.
Reporting Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Date Analyzed:	Nov 26, 1991	Nov 26, 1991	Nov 26, 1991	Nov 26, 1991
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.4	0.4	0.4	1.2
Conc. Matrix Spike:	0.36	0.37	0.39	1.2
Matrix Spike % Recovery:	90	92	98	100
Conc. Matrix Spike Dup.:	0.36	0.37	0.4	1.2
Matrix Spike Duplicate % Recovery:	90	92	100	100
Relative % Difference:	0	0	2.5	0

Laboratory blank contained the following analytes None Detected

SEQUOIA ANALYTICAL

Belinda C Vega  
Laboratory Director

% Recovery	$\frac{\text{Conc of MS} - \text{Conc of Sample}}{\text{Spike Conc Added}} \times 100$
Relative % Difference	$\frac{\text{Conc of MS} - \text{Conc of MSD}}{(\text{Conc of MS} + \text{Conc of MSD}) / 2} \times 100$

1111017 KEI <2>



# SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520  
(510) 686-9600 • FAX (510) 686-9689

Kaprealian Engineering, Inc.

Client Project ID: AA Johnson Co., 1164-66th St., Oakland

P.O. Box 996

Benicia, CA 94510

Attention: Mardo Kaprealian, P.E. QC Sample Group: 1111017-18

Reported: Dec 4, 1991

## QUALITY CONTROL DATA REPORT

### SURROGATE

	EPA	EPA	EPA
Method:	8015/8020	8015/8020	8015/8020
Analyst:	R.H./J.F.	R.H./J.F.	R.H./J.F.
Reporting Units:	ug/Kg	ug/Kg	ug/Kg
Date Analyzed:	Nov 26, 1991	Nov 26, 1991	Nov 26, 1991
Sample #:	111-1017	111-1018	Blank

Surrogate			
% Recovery:	96	94	97

SEQUOIA ANALYTICAL

*Belinda C Vega*  
Belinda C Vega  
Laboratory Director

% Recovery	$\frac{\text{Conc of M S} - \text{Conc of Sample}}{\text{Spike Conc Added}} \times 100$
Relative % Difference	$\frac{\text{Conc of M S} - \text{Conc of M S D}}{(\text{Conc of M S} + \text{Conc of M S D}) / 2} \times 100$



# KAPREALIAN ENGINEERING, INC.

## CHAIN OF CUSTODY

SAMPLER: <i>R.M. Bradish</i>		SITE NAME & ADDRESS: <i>AA JOHNSON Co.</i>			ANALYSES REQUESTED: <i>TPH-GARB</i>	TURN AROUND TIME: <i>10 Day</i>
WITNESSING AGENCY: <i>S. HUGO - ACHA</i>		<i>1164 - 66TH ST OAKLAND</i>				

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	ANALYSES REQUESTED	REMARKS
<i>SW3</i>	<i>11-13-91</i>		<i>✓</i>	<i>✓</i>			<i>1</i>	<i>FUEL TANK PIT</i>	<i>✓</i>	<i>1111017</i>
<i>SW4</i>	<i>"</i>		<i>✓</i>	<i>✓</i>			<i>1</i>	<i>" " "</i>	<i>✓</i>	<i>1111018</i>

Relinquished by: (Signature) <i>R.M. Bradish</i>	Date/Time <i>11-14-91 9:45 AM</i>	Received by: (Signature) <i>Kim Van Stamborok</i>	The following MUST BE completed by the laboratory accepting samples for analysis: 1. Have all samples received for analysis been stored in ice? <input checked="" type="checkbox"/> 2. Will samples remain refrigerated until analyzed? <input checked="" type="checkbox"/> 3. Did any samples received for analysis have head space? <i>NO</i> 4. Were samples in appropriate containers and properly packaged? <input checked="" type="checkbox"/>
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
		<i>WVS</i>	Signature
		<i>S.A.</i>	Title
		<i>WVS</i>	Date



# SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520  
(510) 686-9600 • FAX (510) 686-9689

Kaprealian Engineering, Inc.	Client Project ID: A.A. Johnson, 1164 66th St., Oakland	Sampled: Dec 13, 1991
P.O. Box 996	Matrix Descript: Soil	Received: Dec 13, 1991
Benicia, CA 94510	Analysis Method: EPA 5030/8015/8020	Analyzed: Dec 19, 1991
Attention: Mañdo Kaprealian, P.E.	First Sample #: 112-0491	Reported: Dec 27, 1991

## TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons	Benzene	Toluene	Ethyl Benzene	Xylenes
		mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
112-0491	SW3(3)	1.1	N.D.	N.D.	N.D.	0.0060
112-0492	SW4(1.25)	N.D.	N.D.	N.D.	N.D.	N.D.

Method Detection Limits:	1.0	0.0050	0.0050	0.0050	0.0050
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Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard

SEQUOIA ANALYTICAL

  
 Belinda C. Vega  
 Laboratory Director





# SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520  
(510) 686-9600 • FAX (510) 686-9689

Kaprealian Engineering, Inc.

Client Project ID: A.A.Johnson, 1164 66th St., Oakland

P.O. Box 996

Benicia, CA 94510

Attention: Mardo Kaprealian, P.E. QC Sample Group: 1120491-492

Reported: Dec 27, 1991

## QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020
Analyst:	R.H.	R.H.	R.H.	R.H.
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date Analyzed:	Dec. 19 1991	Dec. 19 1991	Dec. 19 1991	Dec. 19 1991
QC Sample #	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	0.40	0.40	0.40	1.2
Conc. Matrix Spike:	0.36	0.35	0.35	1.2
Matrix Spike % Recovery:	90	88	88	100
Conc. Matrix Spike Dup.:	0.35	0.34	0.33	1.2
Matrix Spike Duplicate % Recovery:	88	85	85	100
Relative % Difference:	2.8	2.9	5.8	0.0

Laboratory blank contained the following analytes None Detected

SEQUOIA ANALYTICAL

Belinda C. Vega  
Laboratory Director

% Recovery	$\frac{\text{Conc of M S} - \text{Conc of Sample}}{\text{Spike Conc Added}} \times 100$
Relative % Difference	$\frac{\text{Conc of M S} - \text{Conc of M S D}}{(\text{Conc of M S} + \text{Conc of M S D}) / 2} \times 100$



# SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520  
(510) 686-9600 • FAX (510) 686-9689

Kaprealian Engineering, Inc.

Client Project ID: A.A.Johnson, 1164 66th St., Oakland

P.O. Box 996

Benicia, CA 94510

Attention: Mardo Kaprealian, P.E. QC Sample Group: 1120491-492

Reported: Dec 27, 1991

## QUALITY CONTROL DATA REPORT

### SURROGATE

	EPA	EPA	EPA
Method:	8015/8020	8015/8020	8015/8020
Analyst:	R.H.	R.H.	R.H.
Reporting Units:	mg/kg	mg/kg	mg/kg
Date Analyzed:	Dec 19, 1991	Dec 19, 1991	Dec 19, 1991
Sample #:	112-0491	112-0492	Blank

Surrogate			
% Recovery:	79	92	100

SEQUOIA ANALYTICAL

Belinda C Vega  
Laboratory Director

% Recovery	$\frac{\text{Conc of M.S.} - \text{Conc of Sample}}{\text{Spike Conc Added}} \times 100$
Relative % Difference	$\frac{\text{Conc of M.S.} - \text{Conc of M.S.D.}}{(\text{Conc of M.S.} + \text{Conc of M.S.D.}) / 2} \times 100$

1120491 KEI <3>



# KAPREALIAN ENGINEERING, INC.

## CHAIN OF CUSTODY

SAMPLER <i>Harry</i>		SITE NAME & ADDRESS <i>A.A. Johnson - Oakland 1164 - 66th Street</i>				ANALYSES REQUESTED		TURN AROUND TIME: <i>Regular</i>		
WITNESSING AGENCY						<input checked="" type="checkbox"/> HI <input checked="" type="checkbox"/> TO		REMARKS  <i>1120491 492</i>		
SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	CONT.		NO. OF	SAMPLING LOCATION
<i>SW3(3)</i>	<i>12/13/11</i>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				<i>1</i>	<i>Fuel Tank Pit</i>
<i>SW4(1.25)</i>	<i>↓</i>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<i>1</i>	<i>↓</i>	

Relinquished by: (Signature) <i>Harry Johnson</i>	Date/Time <i>12/13/11 1630</i>	Received by: (Signature) <i>[Signature]</i>	The following MUST BE completed by the laboratory accepting samples for analysis: 1. Have all samples received for analysis been stored in ice? 2. Will samples remain refrigerated until analyzed? 3. Did any samples received for analysis have head space? <i>NO</i> 4. Were samples in appropriate containers and properly packaged?
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	

*[Signature]*      *SC*      *12/13/11*  
 Signature      Title      Date



# SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520  
(510) 686-9600 • FAX (510) 686-9689

Kaprealian Engineering, Inc.  
P.O. Box 996  
Benicia, CA 94510  
Attention: Mardo Kaprealian, P.E.

Client Project ID: A.A. Johnson Co., 1164-66th Street, Oakland  
Sample Descript.: Water, W 1  
Analysis Method: EPA 5030/ 8015/8020  
Lab Number: 111-1007 AB

Sampled: Nov 13, 1991  
Received: Nov 14, 1991  
Analyzed: Nov 23, 1991  
Reported: Dec 3, 1991

## TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTEX DISTINCTION (EPA 8015/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Results µg/L (ppb)
Low to Medium Boiling Point Hydrocarbons.....	30	N.D.
Benzene.....	0.30	N.D.
Toluene.....	0.30	N.D.
Ethyl Benzene.....	0.30	N.D.
Xylenes.....	0.30	N.D.

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard  
Analytes reported as N.D. were not present above the stated limit of detection

SEQUOIA ANALYTICAL

Belinda C. Vega  
Laboratory Director



# SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520  
(510) 686-9600 • FAX (510) 686-9689

Kaprealian Engineering, Inc.  
P.O. Box 996  
Benicia, CA 94510

Client Project ID: A.A. Johnson Co., 1164-66th Street, Oakland

Attention: Mardo Kaprealian, P.E. QC Sample Group: 111-1007

Reported: Dec 3, 1991

## QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
---------	---------	---------	---------------	---------

Method:	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020	EPA 8015/8020
Analyst:	R.H./J.F.	R.H./J.F.	R.H./J.F.	R.H./J.F.
Reporting Units:	ug/L	ug/L	ug/L	ug/L
Date Analyzed:	Nov 23, 1991	Nov 23, 1991	Nov 23, 1991	Nov 23, 1991
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank

Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	20	20	20	60
Conc. Matrix Spike:	20	20	20	61
Matrix Spike % Recovery:	100	100	100	101
Conc. Matrix Spike Dup.:	21	21	21	63
Matrix Spike Duplicate % Recovery:	105	105	105	105
Relative % Difference:	4.8	4.8	4.8	3.2

Laboratory blank contained the following analytes: None Detected

SEQUOIA ANALYTICAL

*Belinda C. Vega*  
Belinda C. Vega  
Laboratory Director

% Recovery	$\frac{\text{Conc of M S} - \text{Conc of Sample}}{\text{Spike Conc. Added}} \times 100$
Relative % Difference	$\frac{\text{Conc of M S} - \text{Conc of M S D}}{(\text{Conc of M S} + \text{Conc of M S D}) / 2} \times 100$



# SEQUOIA ANALYTICAL

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Kaprealian Engineering, Inc.  
P.O. Box 996  
Benicia, CA 94510

Client Project ID: A.A. Johnson Co., 1164-66th Street, Oakland

Attention: Mardo Kaprealian, P.E. QC Sample Group: 111-1007

Reported: Dec 3, 1991

## QUALITY CONTROL DATA REPORT

**SURROGATE**

Method:	EPA 8015/8020	EPA 8015/8020
Analyst:	R.H.	R.H.
Reporting Units:	ug/L	ug/L
Date Analyzed:	Nov 23, 1991	Nov 23, 1991
Sample #:	111-1007	Blank

Surrogate		
% Recovery:	88	110

SEQUOIA ANALYTICAL

*Belinda C. Vega*  
Belinda C Vega  
Laboratory Director

% Recovery	$\frac{\text{Conc of M S} - \text{Conc of Sample}}{\text{Spike Conc Added}} \times 100$
Relative % Difference	$\frac{\text{Conc of M S} - \text{Conc of M S D.}}{(\text{Conc of M S} + \text{Conc of M S D.}) / 2} \times 100$



# KAPREALIAN ENGINEERING, INC.

## CHAIN OF CUSTODY

SAMPLER <i>E.M. Bradish</i>		SITE NAME & ADDRESS A.A. JOHNSON CO 1164 - 66TH ST. OAKLAND						ANALYSES REQUESTED TPH & PCB			TURN AROUND TIME: 10 DAY
WITNESSING AGENCY S. HUGO - ACHA											REMARKS 111007A-B
SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION			
W1	11-13-91			✓	✓		2	FUEL TANK PIT		✓	

Relinquished by: (Signature) <i>E.M. Bradish</i>	Date/Time 11-14-91 9:45 AM	Received by: (Signature) <i>Kevin Van Stambrook</i>	The following MUST BE completed by the laboratory accepting samples for analysis: 1. Have all samples received for analysis been stored in ice? 2. Will samples remain refrigerated until analyzed? 3. Did any samples received for analysis have head space? 4. Were samples in appropriate containers and properly packaged?
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
		<i>W.S.</i>	Signature
		<i>S.M.</i>	Title
		<i>11-14-91</i>	Date