aqua science engineers inc.

August 12, 1997

GROUNDWATER MONITORING REPORT
JUNE 27, 1997 GROUNDWATER SAMPLING
ASE JOB NO. 3011

at
Zima Center Corporation
2951 High Street
Oakland, California 94619

Prepared by:
AQUA SCIENCE ENGINEERS, INC.
2411 Old Crow Canyon Road, #4
San Ramon, CA 94583
(510) 820-9391

1.0 INTRODUCTION

Site Location (Site), See Figure 1
Zima Center Corporation
2951 High Street
Oakland, CA 94619

Property Owner
Zima Center Corporation
2951 High Street
Oakland, CA 94619
Attn.: Mr. Mohammad Mashhoon
(510) 436-4700

Environmental Consulting Firm
Aqua Science Engineers, Inc. (ASE)
2411 Old Crow Canyon Road, #4
San Ramon, CA 94583
Contact: Robert Kitay, Senior Geologist
(510) 820-9391

Agency Review
Alameda County Health Care Services Agency (ACHCSA)
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502
Attn.: Ms. Madhulla Logan
(510) 293-8695

California Regional Water Quality Control Board (RWQCB),
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612
Contact: Mr. Kevin Graves
(510) 286-4359

The following is a report detailing the results of the June 27, 1997, groundwater sampling at the above referenced site (Figure 2).

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On June 27, 1997, ASE environmental specialist Scott Ferriman measured the depth to water in each site well using an electric water level sounder. The surface of the groundwater was also checked for the presence of free-floating hydrocarbons or sheen using a product thickness bailer. A slight sheen was present on the groundwater surface of monitoring well MW-2. No free-floating hydrocarbons or sheen was present on the groundwater surface of any other monitoring well at the site. Depths to groundwater are presented in Table One.

Groundwater elevation contours are presented on Figure 2. On June 27, 1997, groundwater flowed generally to the east and south beneath the site at a gradient of 0.0316-feet/foot. This gradient is consistent with previous calculated gradients and flow directions but is not consistent with hydrocarbon distribution in groundwater which suggest a northward groundwater flow direction.

3.0 GROUNDWATER SAMPLE COLLECTION AND ANALYSES

Prior to sampling, monitoring wells MW-2, MW-5 and MW-6 were purged of four well casing volumes of water using dedicated polyethylene bailers. The pH, temperature and conductivity of the purge water were monitored during purging and samples were not collected until these parameters stabilized. Groundwater samples were then collected from each well using dedicated polyethylene bailers. The samples were decanted from the bailers into 40-ml volatile organic analysis (VOA) vials, preserved with hydrochloric acid, capped, labeled and placed into an ice chest containing wet ice for transport to Chromalab, Inc. of Pleasanton, California (ELAP #1094) under chain-of-custody.

The well purge water was placed in 55-gallon steel 17H drums, labeled, and left on-site for temporary storage. Copies of the well sampling field logs are included as Appendix A.

The groundwater samples collected from monitoring wells MW-2, MW-5 and MW-6 were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) by EPA Method 5030/8015M and benzene, toluene, ethylbenzene, total xylenes (BTEX) and MTBE by EPA Method 8020.

The analytical results for this and previous sampling events are presented in Table Two, and the certified laboratory report and chain-of-custody form are included as Appendix B.

4.0 GROUNDWATER REMEDIATION

Between May 28, 1997 and June 24, 1997, 2,550 lbs. of Oxygen Releasing Compound (ORC) was injected into the borings along the northern and eastern sides of the existing underground storage tanks (USTs). This drilling and ORC injection was performed by fast-Tek Engineering Support Services of San Rafael, California on May 28 and 29 1997, Soils Exploration Services of Benicia, California on May 30, 1997 and En Prob Environmental Probing of Oroville, California on June 24, 1997.

On June 27, 1997 ASE environmental specialist Scott Ferriman measured the dissolved oxygen (DO) in groundwater from each monitoring well. Groundwater from monitoring well MW-5 contained 0.71 mg/l DO prior to purging and contained 8.70 mg/l after purging. 8.70 mg/l is a concentration high enough to support aerobic bacterial development. DO readings are tabulated in Table Three.

5.0 CONCLUSIONS

Elevated hydrocarbon concentrations were detected in groundwater samples collected from monitoring wells MW-2 and MW-5, although these concentrations have decreased by approximately 50% since last quarter. No detectable TPH-G, BTEX and MTBE concentrations were detected in groundwater samples collected from monitoring well MW-6.

Benzene concentrations in groundwater samples collected from monitoring wells MW-2 and MW-5 exceeded the California Department of Toxic Substances Control (DTSC) maximum contaminant level (MCL) for drinking water. The toluene concentration in groundwater samples collected from monitoring well MW-5 exceeded the DTSC recommended action level (RAL) for drinking water. The total xylenes concentration in groundwater samples collected from monitoring well MW-5 exceeded DTSC MCLs for drinking water.

6.0 RECOMMENDATIONS

The next sampling event is scheduled for September 1997.

7.0 REPORT LIMITATIONS

The results of this report represent the conditions at the time of the groundwater sampling at the specific locations where the groundwater samples were collected, and for the specific parameters analyzed by the

laboratory. It does not fully characterize the site for contamination resulting from sources other than the underground storage tanks and associated plumbing at the site, or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of independent CAL-EPA certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

Aqua Science Engineers appreciates the opportunity to provide environmental consulting services for this project and trust that this report meets your needs. Please feel free to call us at (510) 820-9391 if you have any questions or comments.

Respectfully submitted,

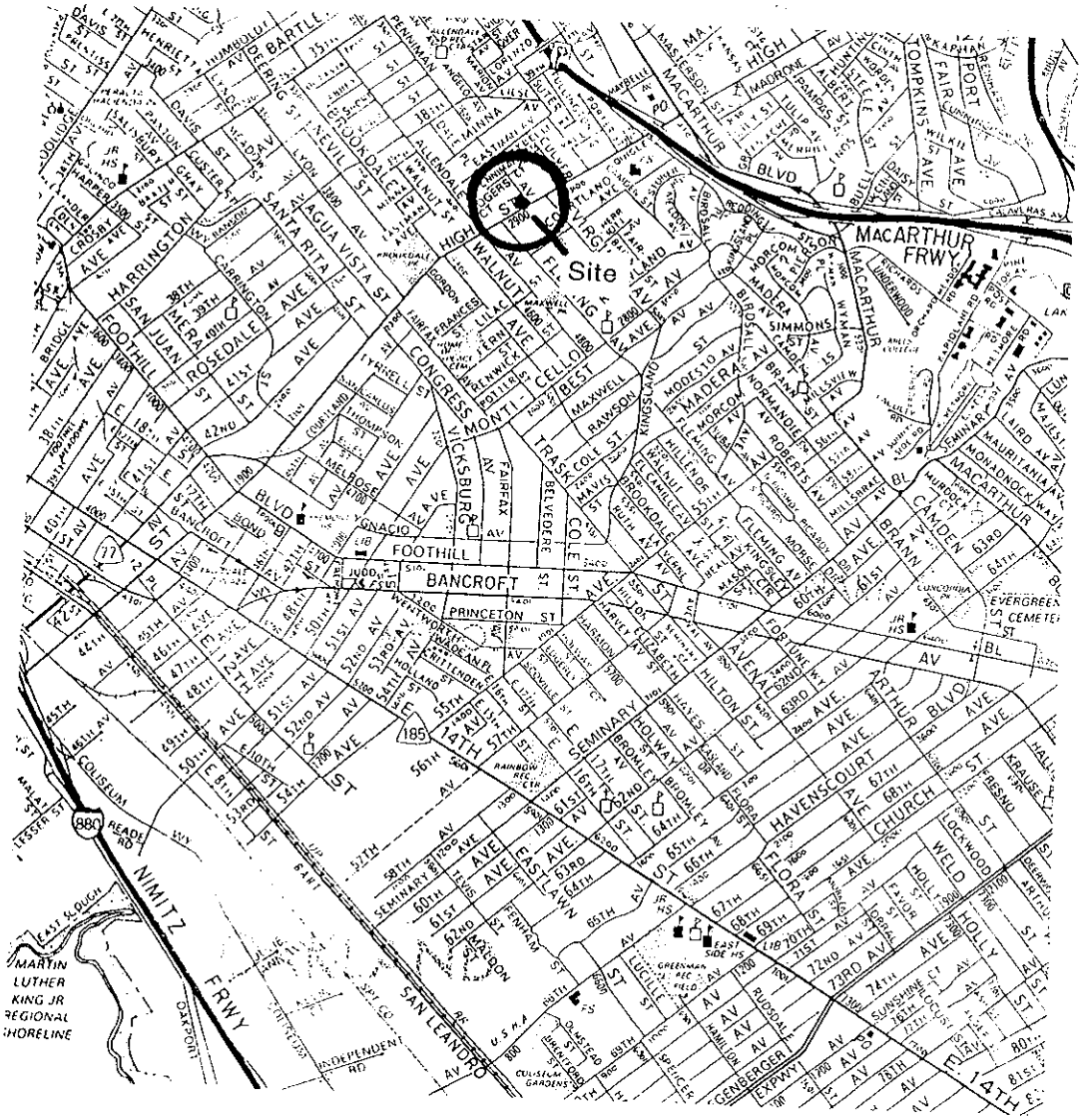
AQUA SCIENCE ENGINEERS, INC.

Scott T. Ferriman
Environmental Specialist

Attachments: Figures 1 and 2
Tables One and Two
Appendices A and B

cc: Ms. Madhulla Logan, Alameda County Health Care Services Agency
Mr. Kevin Graves, RWQCB, San Francisco Bay Region

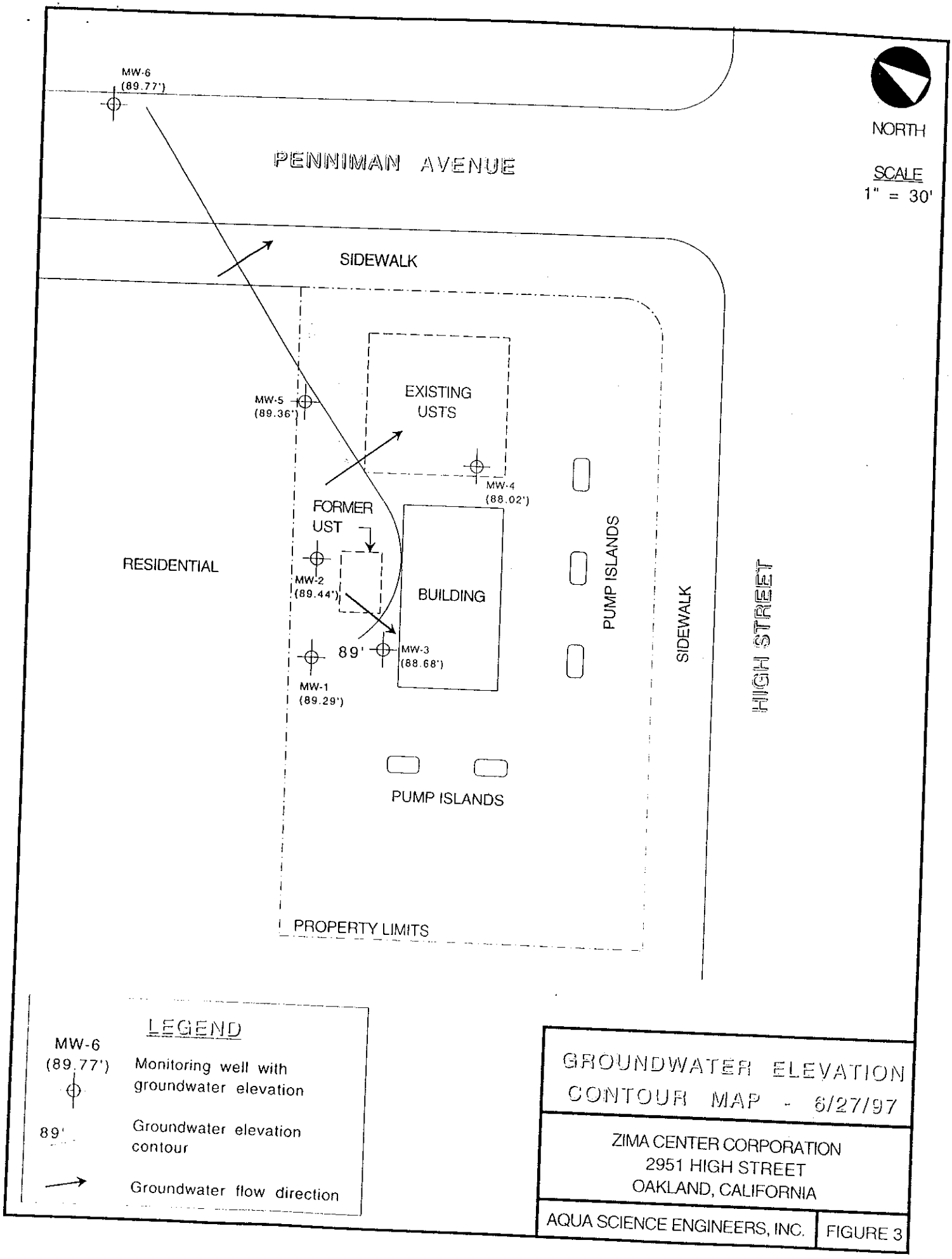
FIGURES



SITE LOCATION MAP

ZIMA CENTER CORPORATION
2951 HIGH STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS, INC. | FIGURE 1


MW-6
(89.77')
PENNIMAN AVENUE
NORTH
SCALE
1" = 30'
SIDEWALK
MW-5
(89.36')
EXISTING
USTS
MW-4
(88.02')
FORMER
UST
RESIDENTIAL
MW-2
(89.44')
BUILDING
PUMP ISLANDS
SIDEWALK
HIGH STREET
89'
MW-3
(88.68')
MW-1
(89.29')
PUMP ISLANDS
PROPERTY LIMITS
LEGEND
MW-6
(89.77')
Monitoring well with groundwater elevation
89'
Groundwater elevation contour
Groundwater flow direction
GROUNDWATER ELEVATION CONTOUR MAP - 6/27/97
ZIMA CENTER CORPORATION
2951 HIGH STREET
OAKLAND, CALIFORNIA
AQUA SCIENCE ENGINEERS, INC.
FIGURE 3

TABLES

TABLE ONE
Summary of Groundwater Well Survey Data

Well I.D.	Date of Measurement	Top of Casing Elevation (relative to project datum)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-1	02-23-95	97.62	5.89	91.73
	05-26-95		5.20	92.42
	08-23-95		8.67	88.95
	12-13-96		4.61	93.01
	01-16-97		3.79	93.83
	03-27-97		5.87	91.75
	06-27-97		8.33	89.29
MW-2	02-23-95	97.87	6.81	91.06
	05-26-95		4.90	92.97
	08-23-95		8.33	89.54
	12-13-96		6.85	91.02
	01-16-97		1.54	96.33
	03-27-97		5.51	92.36
	06-27-97		8.43	89.44
MW-3	02-23-95	97.03	4.21	92.82
	05-26-95		6.44	90.59
	08-23-95		8.69	88.34
	12-13-96		5.60	91.43
	01-16-97		5.28	91.75
	03-27-97		6.64	90.39
	06-27-97		8.35	88.68
MW-4	02-23-95	96.77	6.25	92.07
	05-26-95		6.18	90.59
	08-23-95		8.55	88.22
	12-13-96		5.86	90.91
	01-16-97		5.79	90.98
	03-27-97		7.37	89.40
	06-27-97		8.75	88.02
MW-5	12-13-96	98.32	6.25	92.07
	01-16-97		6.32	92.00
	03-27-97		7.51	90.81
	06-27-97		8.96	89.36
MW-6	01-16-97	98.16	5.12	93.04
	03-27-97		6.55	91.61
	06-27-97		8.39	89.77

TABLE TWO
Summary of Chemical Analysis of **GROUNDWATER** Samples
All results are in **parts per billion**

Sample I.D.	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
MW-1						
02-23-95	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---
05-26-95	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---
08-23-95	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---
MW-2						
02-23-95	3,300	9.6	13	8	28	---
05-26-95	4,600	39	18	21	39	---
08-23-95	< 50	15	6	10	15	---
12-13-96	1,900	110	110	120	330	65
03-27-97	3,900	34	20	86	140	200
06-27-97	2,400	18	<5	6	8.8	2,000
MW-3						
02-23-95	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---
05-26-95	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---
08-23-95	< 50	< 0.5	< 0.5	< 0.5	< 0.5	---
MW-4						
06-26-96	2,500	230	64	99	110	5,700
03-27-97	6,200	300	150	160	310	7,100
MW-5						
12-13-96	3,600	180	350	81	510	430
03-27-97	120,000	28,000	16,000	2,600	10,000	64,000
06-27-97	63,00	10,000	2,400	290	4,500	43,000
MW-6						
01-13-97	< 50	< 0.5	< 0.5	< 0.5	< 0.5	<5
03-27-97	< 50	< 0.5	< 0.5	< 0.5	< 0.5	<5
06-27-97	< 50	< 0.5	< 0.5	< 0.5	< 0.5	<5
EPA METHOD	5030/ 8015M	8020	8020	8020	8020	8020
DTSC MCL	NE	1	100*	680	1,750	NE

Notes:
DTSC MCL = California Department of Toxic Substances Control maximum contaminant level for drinking water
* = DTSC recommended action level; MCL not established
NE = DTSC MCLs and RALs not established
--- = Not Analyzed

TABLE THREE

Summary of **Dissolved Oxygen Results** in Groundwater
All Results in **Parts Per Million**

Sample I.D.	Before Purging	After Purging
MW-1 06-27-97	0.99	---
MW-2 06-27-97	0.86	0.94
MW-3 06-27-97	1.26	---
MW-4 06-27-97	0.97	---
MW-5 06-27-97	0.71	8.70
MW-6 06-27-97	0.61	0.89

Notes:
--- = Well not purged

APPENDIX A

Well Sampling Field Logs

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WELL SAMPLING FIELD LOG

Project Name and Address: Zima Center Corporation, 2951 High Street Oakland, CA
Job #: 3011 Date of sampling: 6-27-97
Well Name: MW-1 Sampled by: SM
Total depth of well (feet): — Well diameter (inches): 2"
Depth to water before sampling (feet): 8.33
Thickness of floating product if any: none
Depth of well casing in water (feet):
Number of gallons per well casing volume (gallons):
Number of well casing volumes to be removed:
Req'd volume of groundwater to be purged before sampling (gallons):
Equipment used to purge the well:
Time Evacuation Began: Time Evacuation Finished:
Approximate volume of groundwater purged:
Did the well go dry?: After how many gallons:
Time samples were collected:
Depth to water at time of sampling:
Percent recovery at time of sampling:
Samples collected with:
Sample color: Odor:
Description of sediment in sample:

Not Sampled

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis

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WELL SAMPLING FIELD LOG

Project Name and Address: Zima Corp - Corporation, 2951 High Street, Oakland, CA
Job #: 3011 Date of sampling: 6-27-97
Well Name: MW-2 Sampled by: SC
Total depth of well (feet): 19.82 Well diameter (inches): 2"
Depth to water before sampling (feet): 8.43
Thickness of floating product if any: Slight Sheen
Depth of well casing in water (feet): 11.39
Number of gallons per well casing volume (gallons): 1.9
Number of well casing volumes to be removed: 4
Req'd volume of groundwater to be purged before sampling (gallons): 8
Equipment used to purge the well: Dedicated Poly Bailer
Time Evacuation Began: 12:45 Time Evacuation Finished: 13:10
Approximate volume of groundwater purged: 8
Did the well go dry?: no After how many gallons: -
Time samples were collected: 13:15
Depth to water at time of sampling: 8.62
Percent recovery at time of sampling: 98%
Samples collected with: Dedicated Poly Bailer
Sample color: clear Odor: Moderate HC odor
Description of sediment in sample: Small amount of Brown Silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	61.7	7.77	8.33
2	64.2	7.68	798
3	65.8	7.74	794
4	65.6	7.76	792

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-2	3	40 ml VOA's	HCl	Yes	TPH's/BTEX/MTBE

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WELL SAMPLING FIELD LOG

Project Name and Address: Zima Center Corporation, 2951 High Street, Oakland, CA
Job #: 3011 Date of sampling: 6-27-97
Well Name: MW-3 Sampled by: SR
Total depth of well (feet): — Well diameter (inches): 2"
Depth to water before sampling (feet): 8.35
Thickness of floating product if any: none
Depth of well casing in water (feet):
Number of gallons per well casing volume (gallons):
Number of well casing volumes to be removed:
Req'd volume of groundwater to be purged before sampling (gallons):
Equipment used to purge the well:
Time Evacuation Began: Time Evacuation Finished:
Approximate volume of groundwater purged:
Did the well go dry?: After how many gallons:
Time samples were collected:
Depth to water at time of sampling:
Percent recovery at time of sampling:
Samples collected with:
Sample color: Odor:
Description of sediment in sample:

Not Sampled

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis

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WELL SAMPLING FIELD LOG

Project Name and Address: Zim's Center Corporation, 2951 High Street, Oakland, CA
Job #: 304 Date of sampling: 6-27-97
Well Name: MW-4 Sampled by: SK
Total depth of well (feet): — Well diameter (inches): 4"
Depth to water before sampling (feet): 8.75
Thickness of floating product if any: none
Depth of well casing in water (feet):
Number of gallons per well casing volume (gallons):
Number of well casing volumes to be removed:
Req'd volume of groundwater to be purged before sampling (gallons):
Equipment used to purge the well:
Time Evacuation Began: Time Evacuation Finished:
Approximate volume of groundwater purged:
Did the well go dry?: After how many gallons:
Time samples were collected:
Depth to water at time of sampling:
Percent recovery at time of sampling:
Samples collected with:
Sample color: Odor:
Description of sediment in sample:

Not Sampled

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis

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WELL SAMPLING FIELD LOG

Project Name and Address: Zima Center Corporation, 2951 High Street, Oakland, CA
Job #: 3011 Date of sampling: 6-27-97
Well Name: MW-5 Sampled by: SK
Total depth of well (feet): 29.32 Well diameter (inches): 2"
Depth to water before sampling (feet): 8.96
Thickness of floating product if any: none
Depth of well casing in water (feet): 20.36
Number of gallons per well casing volume (gallons): 3.5
Number of well casing volumes to be removed: 4
Req'd volume of groundwater to be purged before sampling (gallons): 14
Equipment used to purge the well: Dedicated Poly Bailer
Time Evacuation Began: 13:30 Time Evacuation Finished: 14:05
Approximate volume of groundwater purged: 14
Did the well go dry?: no After how many gallons: –
Time samples were collected: 14:15
Depth to water at time of sampling: 9.06
Percent recovery at time of sampling: 99%
Samples collected with: Dedicated Poly Bailer
Sample color: Cloudy Odor: Moderate HC odor
Description of sediment in sample: Small amount of fine silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	69.4	7.78	1875
2	68.5	8.16	1759
3	68.1	8.62	1681
4	67.9	8.57	1676

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-5	3	40 ml VOA	HCl	Yes	TPH-g/BTEX/MTBE

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WELL SAMPLING FIELD LOG

Project Name and Address: Zima Center Corporation, 2951 High Street, Oakland, CA
Job #: 3011 Date of sampling: 6-27-97
Well Name: MW-6 Sampled by: SC
Total depth of well (feet): 28.24 Well diameter (inches): 2"
Depth to water before sampling (feet): 8.39
Thickness of floating product if any: None
Depth of well casing in water (feet): 19.85
Number of gallons per well casing volume (gallons): 3.4
Number of well casing volumes to be removed: 4
Req'd volume of groundwater to be purged before sampling (gallons): 13
Equipment used to purge the well: Dedicated Poly Bailer
Time Evacuation Began: 14:30 Time Evacuation Finished: 15:00
Approximate volume of groundwater purged: 13
Did the well go dry?: no After how many gallons: —
Time samples were collected: 15:10
Depth to water at time of sampling: 8.47
Percent recovery at time of sampling: 98%
Samples collected with: Dedicated Poly Bailer
Sample color: Clear Odor: None
Description of sediment in sample: Small amount of Tan Silt

CHEMICAL DATA

Volume Purged	Temp	pH	Conductivity
1	69.9	9.56	606
2	68.5	9.18	567
3	68.2	9.06	552
4	67.8	9.01	

SAMPLES COLLECTED

Sample	# of containers	Volume & type container	Pres	Iced?	Analysis
MW-6	3	40 ml VOA	Hcl	Yes	TPH-g/BTEX/MTBE

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APPENDIX B

Analytical Report and Chain of Custody
for Groundwater Samples

CHROMALAB, INC.

Environmental Services (SDB)

July 14, 1997

Submission #: 9706354
Revised from July 9, 1997

AQUA SCIENCE ENGINEERS INC

Atten: Scott Ferriman.

Project: ZIMA CENTER CORPORATION
Received: June 27, 1997

Project#: 3011

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: MW-2
Spl#: 137511
Sampled: June 27, 1997

Matrix: WATER
Run#: 7619

Analyzed: July 8, 1997

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	2400	500	N.D.	77	10
MTBE	2000	50	N.D.	113	10
BENZENE	18	5.0	N.D.	103	10
TOLUENE	N.D.	5.0	N.D.	100	10
ETHYL BENZENE	6.0	5.0	N.D.	103	10
XYLENES	8.8	5.0	N.D.	100	10

Kayvan Kimyai
Chemist

Marianne Alexander
Gas/BTEX Supervisor

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

July 14, 1997

Submission #: 9706354
Revised from July 9, 1997

AQUA SCIENCE ENGINEERS INC

Atten: Scott Ferriman.

Project: ZIMA CENTER CORPORATION *Project#:* 3011
Received: June 27, 1997

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: MW-5
Spl#: 137513 *Matrix:* WATER
Sampled: June 27, 1997 *Run#:* 7667 *Analyzed:* July 8, 1997

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	63000	25000	N.D.	87	500
MTBE	43000	2500	N.D.	110	500
BENZENE	10000	250	N.D.	103	500
TOLUENE	2400	250	N.D.	96	500
ETHYL BENZENE	290	250	N.D.	99	500
XYLENES	4500	250	N.D.	95	500

Kayvan Kimyai
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Marianne Alexander
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MV V132 O:BTEXQC02
KAYVAN 09

CHROMALAB, INC.

Environmental Services (SDB)

July 14, 1997

Submission #: 9706354
Revised from July 9, 1997

AQUA SCIENCE ENGINEERS INC

Atten: Scott Ferriman.

Project: ZIMA CENTER CORPORATION
Received: June 27, 1997

Project#: 3011

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: MW-5B
Spl#: 137512
Sampled: June 27, 1997

Matrix: WATER
Run#: 7619

Analyzed: July 3, 1997

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	67000	25000	N.D.	77	500
MTBE	49000	2500	N.D.	113	500
BENZENE	8200	250	N.D.	103	500
TOLUENE	1100	250	N.D.	100	500
ETHYL BENZENE	N.D.	250	N.D.	103	500
XYLENES	7100	250	N.D.	100	500

Kayvan Kimyai
Chemist

Marianne Alexander
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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

July 9, 1997

Submission #: 9706354

AQUA SCIENCE ENGINEERS INC

Atten: Scott Ferriman.

Project: ZIMA CENTER CORPORATION
Received: June 27, 1997

Project#: 3011

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: MW-6
Spl#: 137514
Sampled: June 27, 1997

Matrix: WATER
Run#: 7667

Analyzed: July 8, 1997

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	50	N.D.	87	1
MTBE	N.D.	5.0	N.D.	110	1
BENZENE	N.D.	0.50	N.D.	103	1
TOLUENE	N.D.	0.50	N.D.	96	1
ETHYL BENZENE	N.D.	0.50	N.D.	99	1
XYLENES	N.D.	0.50	N.D.	95	1

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34401

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Chain of Custody

DATE 6-27-97 PAGE 1 OF 1

SAMPLERS (SIGNATURE) (PHONE NO.)
Scott F. 510-820-9391

PROJECT NAME Zima Center Corporation NO. 3011
ADDRESS 2951 High Street, Oakland, CA

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:
5-Day

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GASOLINE (EPA 5030/8015)	TPH-GASOLINE/BTEX/MTBE (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015)	PURGABLE AROMATICS (EPA 602/8020)	PURGABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240)	BASE/NUETRALS, ACIDS (EPA 625/8270)	OIL & GREASE (EPA 5520 E&F or B&F)	LUFT METALS (5) (EPA 6010+7000)	TITLE 22 (CAM 17) (EPA 6010+7000)	TCLP (EPA 1311/1310)	STLC-CAM WET (EPA 1311/1310)	REACTIVITY CORROSIVITY IGNITABILITY
MW-2	6-27-97	13:15	water	3 vials		X											
MW-5-B	"	13:25	"	"		X											
MW-5	"	14:15	"	"		X											
MW-6	"	15:10	"	"		X											

JBM #: 9706354 REP: MV
CLIENT: ASE
DATE: 07/07/97
SF #: 34401

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY LABORATORY:	COMMENTS:
(signature) Scott F. (time) 15:15	(signature) (time)	(signature) (time)	(signature) Chris Rowley (time) 1515	
(printed name) Scott Ferrara (date) 6-27-97	(printed name) (date)	(printed name) (date)	(printed name) Chris Rowley (date) 6/27/97	
Company- ASE, Inc	Company-	Company-	Company- Chromalab	