Associated Soils Analysis

February 23, 1994
File No. 420-93

Brian Cobb
E-Z Serve Management Company
2550 N. Loop West, Ste. 600
Houston, TX 77292

PROJECT: E-Z Serve Location #100877, 525 West "A" Street, Hayward, CA

Dear Mr. Cobb:

In accordance with your request, quarterly groundwater sampling was conducted at the above subject site on February 6, 1994. This quarterly work package includes a site data summary table, site groundwater gradient map (FIGURE 1), laboratory analyses, monitoring well sampling record, and sampling and purging protocol (ATTACHED). Our field and laboratory analyses were conducted in accordance with approved ASTM and EPA standards.

Wells MW-1 and MW-3 have increased in hydrocarbon concentration since the last quarter. Wells MW-2, MW-4, and MW-5 have remained essentially unchanged. MW-6 did not have a measurable floating product thickness, and was sampled for analysis. MW-7 did have .06 feet of floating product for the first time since construction in mid 1993.

Groundwater depths at the site has changed little relative to last quarter. A site groundwater gradient was determined by calculating the groundwater elevation in each surveyed well containing no free product (SUMMARY TABLE) and contouring the elevation data (FIGURE 1). The site groundwater gradient is currently flowing toward the west at a magnitude of 0.001 to 0.004 foot per foot. This current groundwater gradient is similar in both magnitude and direction as last quarter's gradient, however, there are apparently several localized recharge effects which are influencing the shape of the contours.

If you have any questions about these results, please contact our office.

Sincerely,
ASSOCIATED SOILS ANALYSIS, INC.

Gary J. Cawthon

Gary J. Cawthon
R.G. 5574

REGISTERED PROFESSIONAL GEOLOGIST
GARY JOSEPH CAWTHON
No. 5574
Exp. Date 9/30/95
STATE OF CALIFORNIA

GJC:tp

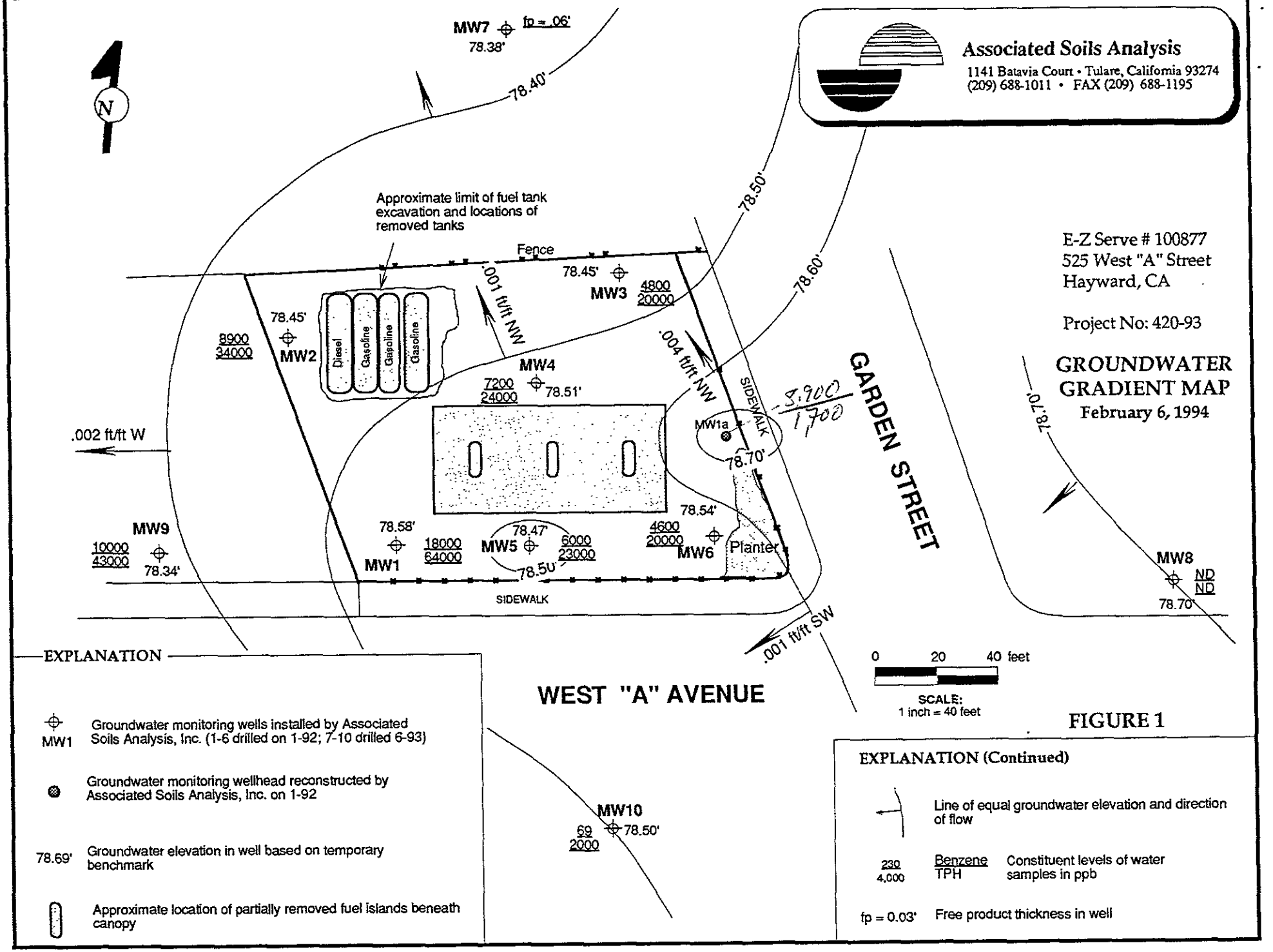
MW7
fp = .06'
78.38'
78.40'
N
Associated Soils Analysis
1141 Batavia Court • Tulare, California 93274
(209) 688-1011 • FAX (209) 688-1195
Approximate limit of fuel tank excavation and locations of removed tanks
Fence
78.50'
78.60'
78.45'
MW3
4800
20000
.001 ft/ft NW
78.45'
MW2
8900
34000
Diesel
Gasoline
Gasoline
Gasoline
MW4
7200
24000
78.51'
.004 ft/ft NW
SIDEWALK
3,900
1,700
MW1a
78.70'
GARDEN STREET
.002 ft/ft W
78.70'
MW9
10000
43000
78.34'
78.58'
MW1
18000
64000
78.47'
MW5
6000
23000
78.54'
4600
20000
MW6
Planter
78.50'
MW8
ND
ND
78.70'
SIDEWALK
.001 ft/ft SW
WEST "A" AVENUE
0 20 40 feet
SCALE:
1 inch = 40 feet
MW10
69
2000
78.50'
E-Z Serve # 100877
525 West "A" Street
Hayward, CA
Project No: 420-93
GROUNDWATER GRADIENT MAP
February 6, 1994
EXPLANATION
MW1 Groundwater monitoring wells installed by Associated Soils Analysis, Inc. (1-6 drilled on 1-92; 7-10 drilled 6-93)
Groundwater monitoring wellhead reconstructed by Associated Soils Analysis, Inc. on 1-92
78.69' Groundwater elevation in well based on temporary benchmark
Approximate location of partially removed fuel islands beneath canopy
EXPLANATION (Continued)
Line of equal groundwater elevation and direction of flow
230 / 4,000 Benzene / TPH Constituent levels of water samples in ppb
fp = 0.03' Free product thickness in well

FIGURE 1

ATTACHMENTS

MONITORING WELL SAMPLING AND PURGING PROTOCOL

MONITORING WELL DEVELOPMENT RECORD

E-Z SERVE LOCATION SUMMARY TABLE

LABORATORY RESULTS

GROUNDWATER MONITORING WELL SAMPLING AND PURGING PROTOCOL

Prior to sampling the groundwater monitoring wells, the wells are open to the atmosphere for approximately one hour to allow for the groundwater to adjust to the open barometric pressure. The depth to groundwater is then measured in the well, followed by electrical conductivity, pH, and temperature readings of the groundwater. These parameters, along with the volume of the purged water (described below) and time, are recorded on the field sampling and purging form.

The volume of water in the monitoring well is calculated using the following equation:

Feet of water in well x 0.163 for 2 inch diameter well = Volume water in gallons
Feet of water in well x 0.653 for 4 inch diameter well = Volume water in gallons

Where the feet of water in well is calculated by subtracting the depth to groundwater from the total depth of the well.

The volume of water to be removed is estimated by multiplying the volume of water in gallons by three to four well volumes. This value will be recorded on the field form.

The pH, temperature, and electrical conductivity will be monitored and recorded between each well volume removed, and must be within 10% of the previous reading prior to sampling. The groundwater level in the monitoring well is allowed to recover to 80% of the original depth prior to sampling.

A minimum of four well volumes (where four volumes were available) were removed using a truck-mounted bailer prior to collecting the water sample. The removed water was placed in steel storage barrels with bolt-on lids, which where retained on site. After the well had stabilized, water samples were collected using a disposable bailer with a check valve.

The water samples were transferred into two sterilized, glass, 40 ml VOA sample containers and a 500 ml amber glass bottle. The samples were immediately sealed in the field with Teflon-lined threaded caps ensuring an airtight seal. The samples were labeled appropriately in the field. Labels included: sample location, depth, date, time, job number, and field identification number.

Samples were placed immediately in an insulated storage container cooled with chemical ice. The temperature inside the storage container was maintained at or below 4° Celsius (39.2° Fahrenheit) and monitored with a thermometer to ensure that the temperature remained constant. The storage container also included a laboratory-prepared travel blank for quality control purposes and as an indicator of cross contamination. The travel blank was placed with the sample containers and analyzed if the field samples indicated detectable levels of fuel constituents. A chain of custody record accompanied the samples. Chain of custody records included: sample location, depth, date, time, job number, field identification number, temperature of sample container, analysis required and personnel collecting samples.

Water samples were delivered to a State certified hazardous waste laboratory within approximately 24 hours of collection. The temperature was maintained at 4° Celsius (39.2° Fahrenheit) in the insulated storage container prior to delivery to the laboratory. Once the samples were delivered to the laboratory, the chain of custody was signed by the laboratory indicating that the possession of the samples had changed. The water samples were analyzed within the required 7-day period following collection.

Well purging equipment was pre-cleaned by steam prior to each purging interval. Decontamination of sampling bailers is achieved by using a different dedicated, disposable bailer for each sample.

Associated Soils Analysis
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FILE NO.: 420-93
DATE: 2-5-99
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MONITORING WELL PURGING FOR SAMPLING RECORD

PROJECT LOCATION: EZ Serve #100877 - 525 West A St. Hayward

SAMPLER NAME (Print): Jack Kash, Don Jacobs

		MW-1	MW-2	MW-3	MW-4	MW-5
PRIOR TO PURGING	SAMPLE LOCATION	MW-1	MW-2	MW-3	MW-4	MW-5
	SCREEN INTERVAL (TOP / BOTTOM)					
	CASING SIZE (in)	4	4	4	4	4
	ELEVATION OF TOP OF WELL CASING					
	DEPTH TO BOTTOM OF WELL CASING	29.97	30.17	30.07	30.12	30.49
	TIME	1310	1340	1115	1415	1230
	DEPTH TO FREE PRODUCT					
	DEPTH TO WATER (From top of casing)	18.15	19.61	19.21	18.59	18.26
	WELL SOUNDING DEPTH					
	VOLUME OF WATER IN WELL	7.8	7.0	7.2	7.6	8.1
	TURBIDITY					
	TEMPERATURE (°F)	65.2	64.1	68.3	63.0	65.4
	pH READING	6.70	6.91	6.77	6.87	6.64
	ELECTRICAL CONDUCTIVITY	1290	1400	1350	890	1280
	THICKNESS OF STANDING PRODUCT (in)	Ø	Ø	Ø	Ø	Ø
	PETROLEUM SHEEN	NO	NO	NO	NO	NO
	PETROLEUM ODOR	NO	NO	NO	NO	NO
DURING PURGING	TIME	1322	1350	1135	1425	1250
	DEPTH TO WATER (From top of casing)	19.31	20.20	22.50	19.84	19.37
	VOLUME OF WATER REMOVED FROM WELL	12g	12g	12g	12g	12g
	TEMPERATURE (°F)	65.6	65.0	66.2	64.7	65.0
	pH READING	6.72	6.84	6.80	6.90	6.78
	ELECTRICAL CONDUCTIVITY	1200	1310	1310	900	1200
END OF PURGING	TIME	1335	1405	1145	1940	1300
	DEPTH TO WATER (From top of casing)	20.20	21.19	20.30	20.77	20.10
	VOLUME OF WATER REMOVED FROM WELL	12g	12g	12g	12g	12g
	TEMPERATURE (°F)	65.8	65.7	66.0	66.2	65.9
	pH READING	6.76	6.72	6.86	6.90	6.88
	ELECTRICAL CONDUCTIVITY	1200	1220	1300	900	1120
SAMPLE	TIME	1900	1445	1230	1500	1330
	DEPTH TO WATER (From top of casing)	18.21	19.66	19.30	18.64	18.31
	TOTAL WATER REMOVED FROM WELL (gal)	25	25	25	25	25
	TEMPERATURE (°F)	65.9	66.0	65.8	66.0	66.2
	pH READING	6.76	6.71	6.86	6.92	6.90
	ELECTRICAL CONDUCTIVITY	1220	1200	1220	900	1110

NOTES: - Owner has emptied site since My 3rd in Sept
10 full Drms Purge H_2O - Ø Empties - 5 drms Cuttings : See Pile in
N.E Corner of lot. Deliver 2 drms.

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FILE NO.: 920-93
DATE: 2-6-9A
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MONITORING WELL PURGING FOR SAMPLING RECORD

PROJECT LOCATION: 76 Service #100877 - 525 West A St - Hayward

SAMPLER NAME (Print): Jack Kash, Don Jacobs

	SAMPLE LOCATION	MW-6	MW-7	MW-8	MW-9	MW-10
PRIOR TO PURGING	SCREEN INTERVAL (TOP / BOTTOM)	4"				
	CASING SIZE (in)	4	2"	2"	2"	2"
	ELEVATION OF TOP OF WELL CASING					
	DEPTH TO BOTTOM OF WELL CASING	30.00	30.00	30.00	29.37	29.50
	TIME	1200		1520	1540	1600
	DEPTH TO FREE PRODUCT		19.05			
	DEPTH TO WATER (From top of casing)	18.55	19.11	18.91	17.07	18.61
	WELL SOUNDING DEPTH					
	VOLUME OF WATER IN WELL	7.6		1.9	2.0	1.9
	TURBIDITY					
	TEMPERATURE (°F)	67.0		68.4	65.6	68.5
	pH READING	6.88		7.01	7.12	6.94
	ELECTRICAL CONDUCTIVITY	1210		1610	1310	1130
	THICKNESS OF STANDING PRODUCT (in)	Ø	0.06'	Ø	Ø	Ø
	PETROLEUM SHEEN	NO		NO	NO	NO
	PETROLEUM ODOR	NO		NO	NO	NO
DURING PURGING	TIME	1215		1525	1545	1605
	DEPTH TO WATER (From top of casing)	18.88		20.77	21.12	20.00
	VOLUME OF WATER REMOVED FROM WELL	12.5		5	5	5
	TEMPERATURE (°F)	67.1		67.7	66.0	67.9
	pH READING			6.97	7.07	6.90
	ELECTRICAL CONDUCTIVITY	1310		1470	1310	1100
END OF PURGING	TIME	1225		1530	1550	1610
	DEPTH TO WATER (From top of casing)	18.94		23.93	29.16	20.12
	VOLUME OF WATER REMOVED FROM WELL	12.5		5	5	5
	TEMPERATURE (°F)	66.6		66.3	66.1	67.2
	pH READING			6.88	7.00	6.85
	ELECTRICAL CONDUCTIVITY	1270		1330	1220	1100
SAMPLE	TIME	1250		1600	1605	1630
	DEPTH TO WATER (From top of casing)	18.62		19.03	17.03	18.70
	TOTAL WATER REMOVED FROM WELL (gal)	25	5	10	10	10
	TEMPERATURE (°F)	66.1		66.4	66.3	67.1
	pH READING	6.96		6.87	7.03	6.87
	ELECTRICAL CONDUCTIVITY	1270		1320	1220	1090

NOTES: See Site Map for New Well Locations -

Associated Soils Analysis
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(209) 688-1011 • FAX (209) 688-1195

FILE NO.: 9-20-93
DATE: 2-6-94
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MONITORING WELL PURGING FOR SAMPLING RECORD

PROJECT LOCATION: EZ Serve @ 100877 - 525 West A - Hayward

SAMPLER NAME (Print): Jack Kash - Don Jacobs

PRIOR TO PURGING	SAMPLE LOCATION	~~MW-4~~	MW1A			
	SCREEN INTERVAL (TOP / BOTTOM)		~~MW~~C			
	CASING SIZE (in)	2"				
	ELEVATION OF TOP OF WELL CASING					
	DEPTH TO BOTTOM OF WELL CASING	28.40				
	TIME	1455				
	DEPTH TO FREE PRODUCT					
	DEPTH TO WATER (From top of casing)	18.89				
	WELL SOUNDING DEPTH					
	VOLUME OF WATER IN WELL					
	TURBIDITY					
	TEMPERATURE (°F)	64.9				
	pH READING	6.74				
	ELECTRICAL CONDUCTIVITY	1700				
	THICKNESS OF STANDING PRODUCT (in)	0				
	PETROLEUM SHEEN	NO				
	PETROLEUM ODOR	NO				
DURING PURGING	TIME	1505				
	DEPTH TO WATER (From top of casing)	21.10				
	VOLUME OF WATER REMOVED FROM WELL	5				
	TEMPERATURE (°F)	65.5				
	pH READING	6.86				
	ELECTRICAL CONDUCTIVITY	1610				
END OF PURGING	TIME	1510				
	DEPTH TO WATER (From top of casing)	23.61				
	VOLUME OF WATER REMOVED FROM WELL	5				
	TEMPERATURE (°F)	66.0				
	pH READING	6.90				
	ELECTRICAL CONDUCTIVITY					
SAMPLE	TIME	1525				
	DEPTH TO WATER (From top of casing)	18.99				
	TOTAL WATER REMOVED FROM WELL (gal)	10				
	TEMPERATURE (°F)	66.3				
	pH READING	6.90				
	ELECTRICAL CONDUCTIVITY	1590				

NOTES:

E-Z Serve Location # 100877
525 West "A" Street
Hayward, CA

Update
2/23/94

MW#	Date	Well Elev (feet)	Depth to F.P. (feet)	Depth to G.W. (feet)	F.P. Thickness (feet)	G.W. Elevation (feet)	DHS Method TPH (ppb)	(EPA 8020) B (ppb)	T (ppb)	E (ppb)	X (ppb)
MW# 1											
	5-Feb-92	99.91		20.82	0.00	79.09	46,000	76,000	23,000	2,400	6,500
	11-Sep-92			20.08	0.00	79.83	48,000	9,000	1,200	1,800	4,600
	22-Dec-92			19.79	0.00	80.12	84,000	22,000	1,600	4,800	17,000
	3-Mar-93			16.23	0.00	83.68	54,000	16,000	1,600	1,900	4,300
	23-Jun-93	96.73		16.86	0.00	79.87	30,000	18,000	1,100	1,400	3,700
	30-Sep-93			18.04	0.00	78.69	33,000	10,000	440	940	1,700
	6-Feb-94			18.15	0.00	78.58	64,000	18,000	1,600	4,700	12,000
MW#2											
	5-Feb-92	101.45		22.35	0.00	79.10	67,000	13,000	4,700	820	1,300
	11-Sep-92			21.67	0.00	79.78	57,000	9,000	1,400	1,200	8,400
	22-Dec-92			21.39	0.00	80.06	31,000	9,900	350	2,000	4,100
	3-Mar-93			17.75	0.00	83.70	17,000	5,100	1,300	720	1,900
	23-Jun-93	98.06		18.42	0.00	79.64	60,000	23,000	1,500	4,500	17,000
	30-Sep-93			19.63	0.00	78.43	38,000	12,000	780	1,500	6,500
	6-Feb-94			19.61	0.00	78.45	34,000	8,900	450	2,000	5,500
MW#3											
	5-Feb-92	101.50		21.85	0.00	79.65	5,900	1,100	ND	ND	ND
	11-Sep-92			21.13	0.00	80.37	9,400	1,200	180	550	1,100
	22-Dec-92			20.88	0.00	80.62	12,000	2,800	190	850	1,600
	3-Mar-93			17.29	0.00	84.21	11,000	2,200	360	570	900
	23-Jun-93	97.66		17.88	0.00	79.78	33,000	12,000	2,700	1,300	3,500
	30-Sep-93			19.18	0.00	78.48	4,300	1,100	160	690	670
	6-Feb-94			19.21	0.00	78.45	20,000	4,800	430	1,500	2,900
MW#4											
	5-Feb-92	100.50		21.31	0.00	79.19	16,000	2,700	410	ND	3,400
	11-Sep-92			20.62	0.00	79.88	43,000	7,600	1,600	1,400	4,100
	22-Dec-92			20.37	0.00	80.13	29,000	8,800	1,200	1,500	3,700
	3-Mar-93			16.78	0.00	83.72	17,000	5,000	1,500	680	1,700
	23-Jun-93	97.10		17.45	0.00	79.65	5,700	3,000	120	560	790
	30-Sep-93			18.64	0.00	78.46	21,000	7,000	2,100	970	2,600
	6-Feb-94			18.59	0.00	78.51	24,000	7,200	1,600	990	3,200

* = Not Analyzed ND = Not Detected

E-Z Serve Location # 100877
525 West "A" Street
Hayward, CA

Update
2/23/94

MW#	Date	Well Elev (feet)	Depth to F.P. (feet)	Depth to G.W. (feet)	F.P. Thickness (feet)	G.W. Elevation (feet)	DHS Method TPH (ppb)	(EPA 8020) B (ppb)	T (ppb)	E (ppb)	X (ppb)
MW#5											
	5-Feb-92	100.48		20.93	0.00	79.55	78,000	7,900	5,000	2,900	1,800
	11-Sep-92			20.27	0.00	80.21	49,000	4,700	400	1,400	4,100
	22-Dec-92			19.99	0.00	80.49	34,000	8,600	340	2,200	4,800
	3-Mar-93			16.49	0.00	83.99	22,000	7,500	640	1,300	3,400
	23-Jun-93	96.73		17.02	0.00	79.71	15,000	5,800	120	1,100	2,100
	30-Sep-93			18.25	0.00	78.48	25,000	7,600	410	1,000	4,400
	6-Feb-94			18.26	0.00	78.47	23,000	6,000	180	2,000	5,900
MW#6											
	5-Feb-92	100.97		21.29	0.00	79.68	51,000	5,400	3,500	3,600	10,000
	11-Sep-92			20.56	0.00	80.41	24,000	2,500	830	1,400	2,300
	22-Dec-92			20.31	0.00	80.66	23,000	5,100	630	2,000	3,100
	3-Mar-93			16.83	0.00	84.14	18,000	4,400	820	1,400	2,400
	23-Jun-93	97.09		17.30	0.00	79.79	18,000	4,600	850	2,700	3,400
	30-Sep-93		19.02	19.05	0.03	78.06	*	*	*	*	*
	6-Feb-94			18.55	0.00	78.54	20,000	4,600	690	2,100	2,500
MW#7											
	23-Jun-93	97.44		17.87	0.00	79.57	29,000	4,200	71	4,400	5,600
	30-Sep-93			18.94	0.00	78.50	30,000	3,200	71	2,800	3,400
	6-Feb-94			19.11	0.06	78.38	*	*	*	*	*
MW#8											
	23-Jun-93	97.61		17.64	0.00	79.97	350	43	9.3	35	67
	30-Sep-93			18.85	0.00	78.76	2,700	190	340	170	720
	6-Feb-94			18.91	0.00	78.70	ND	ND	0.58	0.75	1.6
MW#9											
	23-Jun-93	95.41		15.94	0.00	79.47	45,000	14,000	1,200	2,800	12,000
	30-Sep-93			17.05	0.00	78.36	86,000	22,000	1,100	3,300	15,000
	6-Feb-94			17.07	0.00	78.34	43,000	10,000	460	2,100	7,500
MW#10											
	23-Jun-93	97.11		17.39	0.00	79.72	35,000	980	640	3,500	12,000
	30-Sep-93			18.58	0.00	78.53	4,000	230	12	100	680
	6-Feb-94			18.61	0.00	78.50	2,000	69	12	220	120

* = Not Analyzed ND = Not Detected

E-Z Serve Location # 100877
525 West "A" Street
Hayward, CA

Update
2/23/94

MW#	Date	Well Elev (feet)	Depth to F.P. (feet)	Depth to G.W. (feet)	F.P. Thickness (feet)	G.W. Elevation (feet)	DHS Method TPH (ppb)	(EPA 8020) B (ppb)	T (ppb)	E (ppb)	X (ppb)
MW#1A											
	23-Jun-93	97.59		17.80	0.21	79.96	*	*	*	*	*
	30-Sep-93			**	**	**	*	*	*	*	*
	6-Feb-94			18.89	0.00	78.70	8,900	1,700	42	1,000	400

* = Not Analyzed ND = Not Detected

Trace Analysis Laboratory, Inc.
3423 Investment Boulevard, #8 • Hayward, California 94545
Telephone (510) 783-6960
Facsimile (510) 783-1512

TAL

LOG NUMBER: 4102
DATE SAMPLED: 02/06/94
DATE RECEIVED: 02/09/94
DATE ANALYZED: 02/16/94
DATE REPORTED: 02/16/94

CUSTOMER: E-Z Serve Petroleum Marketing Company

REQUESTER: Bart Racca of Associated Soils Analysis

PROJECT: No. 100877, 525 West A Street, Hayward

Sample Type: Water

Method and Constituent:	Units	MW-1 Concentration	MW-1 Reporting Limit	MW-2 Concentration	MW-2 Reporting Limit	MW-3 Concentration	MW-3 Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/l	64,000	9,800	34,000	4,900	20,000	980
Modified EPA Method 8020 for:							
Benzene	ug/l	18,000	190	8,900	94	4,800	19
Toluene	ug/l	1,600	180	450	90	430	18
Ethylbenzene	ug/l	4,700	210	2,000	100	1,500	21
Xylenes	ug/l	12,000	520	5,500	260	2,900	52

Method and Constituent:	Units	MW-4 Concentration	MW-4 Reporting Limit	MW-5 Concentration	MW-5 Reporting Limit	MW-6 Concentration	MW-6 Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/l	24,000	4,900	23,000	980	20,000	2,000
Modified EPA Method 8020 for:							
Benzene	ug/l	7,200	94	6,000	19	4,600	38
Toluene	ug/l	1,600	90	180	18	690	36
Ethylbenzene	ug/l	990	100	2,000	21	2,100	41
Xylenes	ug/l	3,200	260	5,900	52	2,500	100

Concentrations reported as ND were not detected at or above the reporting limit.

Trace Analysis Laboratory, Inc.

LOG NUMBER: 4102
DATE SAMPLED: 02/06/94
DATE RECEIVED: 02/09/94
DATE ANALYZED: 02/16/94
DATE REPORTED: 02/16/94
PAGE: Two

Sample Type: Water

Method and Constituent:	Units	MW-8 Concentration	MW-8 Reporting Limit	MW-9 Concentration	MW-9 Reporting Limit	MW-10 Concentration	MW-10 Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/l	ND	50	43,000	4,900	2,000	98
Modified EPA Method 8020 for:							
Benzene	ug/l	ND	0.50	10,000	94	69	1.9
Toluene	ug/l	0.58	0.50	460	90	12	1.8
Ethylbenzene	ug/l	0.75	0.50	2,100	100	220	2.1
Xylenes	ug/l	1.6	1.5	7,500	260	120	5.2

Method and Constituent:	Units	MW-11 (MW-1A) Concentration	MW-11 (MW-1A) Reporting Limit	Travel Blank Concentration	Travel Blank Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/l	8,900	980	ND	50	ND	50
Modified EPA Method 8020 for:							
Benzene	ug/l	1,700	19	ND	0.50	ND	0.50
Toluene	ug/l	42	18	ND	0.50	ND	0.50
Ethylbenzene	ug/l	1,000	21	ND	0.50	ND	0.50
Xylenes	ug/l	400	52	ND	1.5	ND	1.5

QC Summary:

% Recovery: 108
% RPD: 15

Concentrations reported as ND were not detected at or above the reporting limit.

Louis W. DuPuis
Quality Assurance/Quality Control Manager

4102

Associated Soils Analysis

1141 Batavia Court • Tulare, California 93274
(209) 688-1011 • FAX (209) 688-1195

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Bart Racca

Sampler Name (Print): Jack Kash

Project Address: 52 Service 100877 - 525 W.A. ST. Hanford

Project Number: 420-93

Project Name: E-Z Serve

I attest that the proper field sampling procedures were used during the collection of these samples

Sampler Signature: Jack Kash

Sample ID Number	Lab ID Number	Transport Chest Temp	# Containers	Matrix: SOIL	WATER	AIR	SLUDGE	OTHER	Method Preserved: ICE	HNO3	HCl	OTHER	Sampling: DATE	TIME
MW-1		39°	2		✓				✓		✓		2/6/94	1400
MW-2														1445
MW-3														1230
MW-4														1500
MW-5														1330
MW-6														1250
MW-8														1600
MW-9														1605
MW-10	AQC													1630
MW-11	MW1A		↓		↓				↓		↓		↓	1525
Travel Blank		↓	1		↓				↓		↓		—	—

ANALYSIS REQUEST

BTX&E (EPA 5030/8020)	TPH GASOLINE (DHS GC-FID)	TPH DIESEL (DHS GC-FID)	☐ EPA 601 ☐ EPA 602 plus Xylenes	TPH GASOLINE	TPH GASOLINE (MODIFIED EPA 8015 GC/FID)	TPH Diesel 3510 GC/FID	TPH Diesel 3550 GC/FID	TPH as Jet Fuel	TCLP: ☐ Metals ☐ VOA ☐ Semi VOA	TOTAL OIL AND GREASE ☐ 418.1 ☐ 413.2 ☐ 503A	☐ Total Lead ☐ Organic Lead (State Draft)	CAM Metals: ☐ STLC ☐ TTLC	EPTOX: ☐ Metals ☐ Pesticides ☐ Herbicides	EPA Priority Pollutant: ☐ Metals ☐ HSL	DBCP (EPA 504)	EDB (EPA 504)
✓				✓												
↓				↓												

CUSTODY RECORD

	Received by:	Time	Date
Relinquished by Sampler:	Jack Kash	1600	2-6-94
Received by:			
Relinquished by:			
Received by:			
Relinquished by:			
Received by:			

Received by Laboratory: Bart Racca — Time: 12:30 — Date: 2/9/94

Transport Chest Temp.

SPECIAL HANDLING

- ☐ 24 HOURS
- ☐ EXPEDITED 48 HOURS
- ☐ SEVEN DAY
- ☐ FAX
- ☐ OTHER ____ (#) of BUSINESS DAYS
- ☐ QA/QC
- ☐ CLP Level
- ☐ Blue Level

SPECIAL DETECTION LIMITS (Specify)

REMARKS:
See special detection limits

Lab Use Only — Storage Location

Lot No.: — Work Order No.:

F/X, vale, 21 volts, Green, 5-Day