Brown and Caldwell

3480 Buskirk Avenue
Pleasant Hill, CA 94523-4342
P.O. Box 8045
Walnut Creek, CA 94596-1220
(510) 937-9010
FAX (510) 937-9026

April 10, 1995

Mr. Brian Cobb
E-Z Serve Petroleum Marketing Company of California
2550 N. Loop West, Suite 600
Houston, Texas 77292-2021

11-1564-04/1

Subject: First Quarter 1995, Groundwater Monitoring Report
Former E-Z Serve Station #100877
525 West A Street, Hayward, California

Dear Mr. Cobb:

Brown and Caldwell conducted the first quarter 1995 groundwater monitoring event at E-Z Serve Petroleum Marketing Company of California's Former Station #100877, 525 West A Street, Hayward, California on March 14 and 15, 1995. The work performed at the subject site included collecting depth-to-groundwater measurements from 15 groundwater monitoring wells, purging and sampling 14 wells, and submitting the groundwater samples to Southern Petroleum Laboratories Inc. (SPL), an analytical laboratory located in Houston, Texas and certified by the State of California Department of Toxic Substance Control for analysis of hazardous materials. Field work was performed following the procedures outlined in Attachment A.

Field Activities

Four off-site wells (MW-11, MW-12, MW-13, and MW-14) were installed on February 6-7, 1995. The well installation procedures are discussed in *Step 5, Phase II Site Investigation Report, E-Z Serve Petroleum Marketing Company of California, Former Station #100877, 525 West A Street, Hayward, California.*

Depth-to-water measurements were collected on March 14, 1995, using an oil-water interface probe and a clear acrylic bailer was used to check for free product. Free product was identified in Well MW-1A, therefore, this well was not sampled. A petroleum odor was identified in Wells MW-1 through MW-7, MW-10 and MW-11. A minimum of three well volumes was purged from each of the monitoring wells prior to sampling. Samples were collected from each of the monitoring wells, transferred to the appropriate sampling vials, and submitted to SPL under appropriate chain of custody. In addition, a duplicate sample was collected from Well MW-7 and a field blank was prepared prior to sampling Well MW-7.

A trip blank was prepared by SPL and accompanied the samples during shipping. Samples were analyzed by the laboratory for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylene isomers, following Environmental Protection Agency Methods 8015 modified and 8020.

Summary of Findings

Field data collected during the sampling event indicate groundwater elevations have increased relative to last quarter. The groundwater appears to flow west to southwest under an average gradient of 0.005. Analytical results indicate that petroleum hydrocarbon constituents have slightly decreased in groundwater monitoring wells MW-11, MW-5, MW-7, and MW-10, slightly increased in MW-4 and MW-9 and remained consistent in the remaining wells when compared to historical data. A summary of the depth-to-water measurements, calculated groundwater elevations, and analytical results are included in Table 1. A groundwater contour map, identifying the primary groundwater flow direction on March 14, 1995 and the analytical results from each sample, is included as Figure 1. Field notes, the chain-of-custody form and the laboratory data sheets are included in Attachment A.

If you have any question regarding the information presented herein, please contact one of us at your earliest convenience.

Sincerely,

BROWN AND CALDWELL

Todd Miller
Project Manager

Pat G. Cullen
California Registered Geologist No. 4932

TM/PC:lkg
Attachments

cc: Mr. John Reeves, Attorney at Law
Ms. Madhulla Logan, Alameda County Department of Environmental Health

03/27/95\E:\LRE\1564\QTRLYRPT\100877\1ST-1995WP5
HPLaserIII

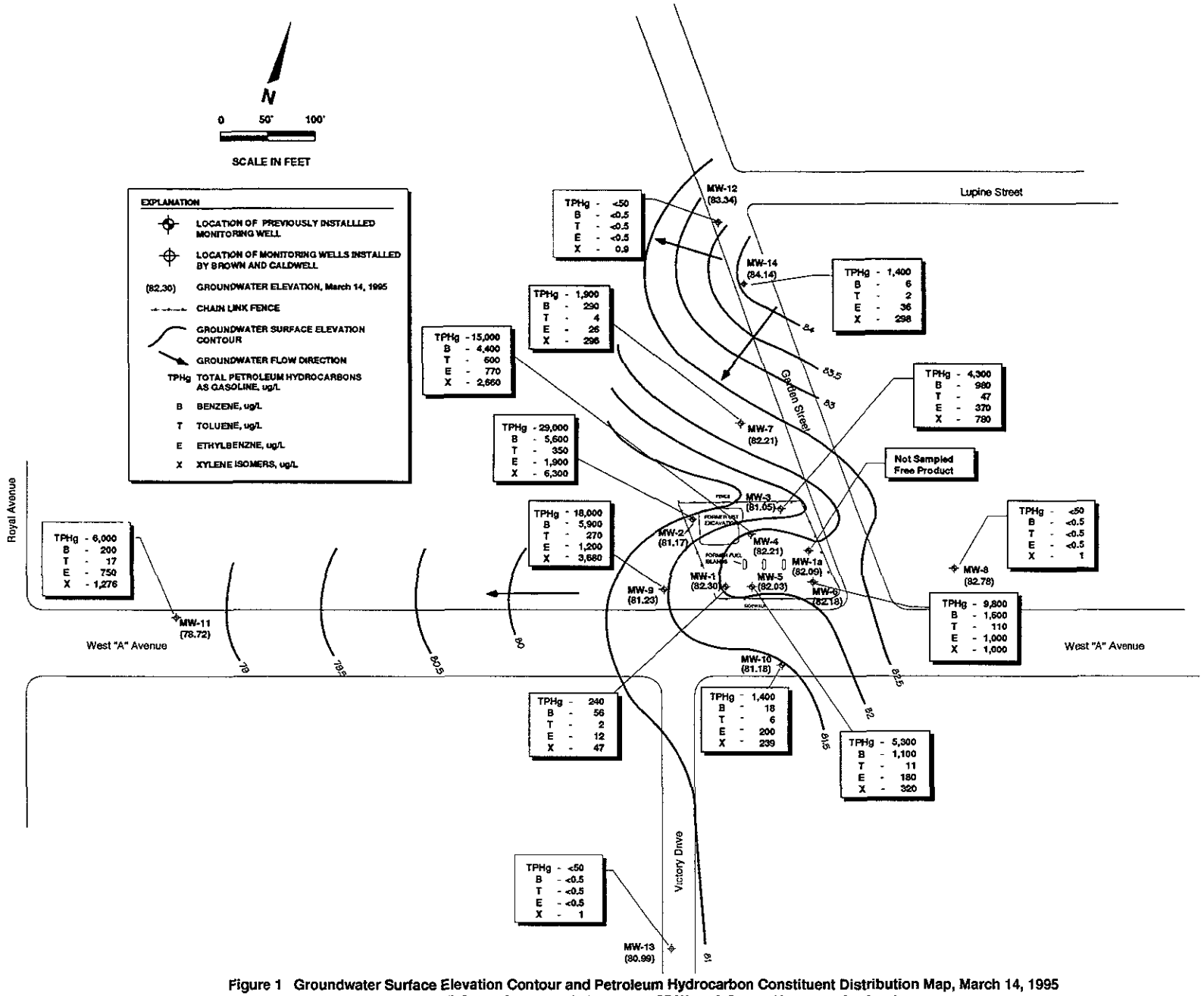

Figure 1 Groundwater Surface Elevation Contour and Petroleum Hydrocarbon Constituent Distribution Map, March 14, 1995
Former E-Z Serve Station #100877 4901 525 West A Street, Hayward, California

Table 1. Summary of Groundwater Elevation Data and Analytical Laboratory Results for Groundwater Samples Collected at Former E-Z Serve Station # 100877 525 West A Street, Hayward, California

Well I.D.	Date Sampled	Well Elevation (feet)[1]	Depth to Water (feet)[2]	Product Thickness (feet)	Groundwater Elevation (feet)[1]	EPA Methods 8015 and 8020 Concentration (µg/L) TPHg[3]	Benzene	Toluene	Ethylbenzene	Xylenes
MW-1	5-Feb-92	99.91	20.82		79.09	46,000	76,000	23,000	2,400	6,500
	11-Sep-92		20.08		79.83	48,000	9,000	1,200	1,800	4,600
	22-Dec-92		19.79		80.12	84,000	22,000	1,600	4,800	17,000
	3-Mar-93		16.23		83.68	54,000	16,000	1,600	1,900	4,300
	23-Jun-93	96.73	16.86		79.87	30,000	18,000	1,100	1,400	3,700
	30-Sep-93		18.04		78.69	33,000	10,000	440	940	1,700
	6-Feb-94		18.15		78.58	64,000	18,000	1,600	4,700	12,000
	2-May-94		17.26		79.47	7,200	2,100	29	490	520
	1-Jul-94		17.60		79.13	13,000	3,700	150	550	12,000
	20-Sep-94		20.59		76.14	10,000	3,100	75	440	870
	5-Dec-94		17.83		78.90	8,700	3,700	87	520	950
	10-Mar-95		14.67		82.06					
	15-Mar-95		14.43		82.30	290	56	2	12	47
MW-1A	23-Jun-93	97.59	17.80	0.21	80.00	Sample Not Analyzed				
	30-Sep-93			Not Recorded		Well Not Sampled				
	6-Feb-94		18.89		78.70	8,900	1,700	42	1,000	400
	2-May-94		18.35	0.09	79.33	Well Not Sampled				
	1-Jul-94		18.45		79.14	12,000	1,100	<1	920	1,100
	20-Sep-94		21.72	0.22	76.09	Well Not Sampled				
	5-Dec-94		18.87	0.07	78.79	Well Not Sampled				
	10-Mar-95		15.83		81.76	Well Not Sampled				
	14-Mar-95		15.55	0.05	82.09	Well Not Sampled				

Table 1. Summary of Groundwater Elevation Data and Analytical Laboratory Results for Groundwater Samples Collected at Former E-Z Serve Station # 100877 525 West A Street, Hayward, California

Well I.D.	Date Sampled	Well Elevation (feet)[1]	Depth to Water (feet)[2]	Product Thickness (feet)	Groundwater Elevation (feet)[1]	EPA Methods 8015 and 8020 Concentration (µg/L)				
						TPHg[3]	Benzene	Toluene	Ethylbenzene	Xylenes
MW-2	5-Feb-92	101.45	22.35		79.10	67,000	13,000	4,700	820	1,300
	11-Sep-92		21.67		79.78	57,000	9,000	1,400	1,200	8,400
	22-Dec-92		21.39		80.06	31,000	9,900	350	2,000	4,100
	3-Mar-93		17.75		83.70	17,000	5,100	1,300	720	1,900
	23-Jun-93	98.06	18.42		79.64	60,000	23,000	1,500	4,500	17,000
	30-Sep-93		19.63		78.43	38,000	12,000	780	1,500	6,500
	6-Feb-94		19.61		78.45	34,000	8,900	450	2,000	5,500
	2-May-94		19.84		78.22	18,000	3,800	260	1,100	3,500
	1-Jul-94		19.18		78.88	18,000	3,700	510	870	2,600
	20-Sep-94		22.17		75.89	19,000	4,500	300	1,200	4,000
	6-Dec-94		19.37		78.69	22,000	4,700	340	1,400	4,500
	10-Mar-95		16.33		81.73	Well Not Sampled				
	15-Mar-95		16.89		81.17	29,000	5,600	350	1,900	6,300
MW-3	5-Feb-92	101.50	21.85		79.65	5,900	1,100	<1	<1	<1
	11-Sep-92		21.13		80.37	9,400	1,200	180	550	1,100
	22-Dec-92		20.88		80.62	12,000	2,800	190	850	1,600
	3-Mar-93		17.29		84.21	11,000	2,200	360	570	900
	23-Jun-93	97.66	17.88		79.78	33,000	12,000	2,700	1,300	3,500
	30-Sep-93		19.18		78.48	4,300	1,100	160	690	670
	6-Feb-94		19.21		78.45	20,000	4,800	430	1,500	2,900
	2-May-94		18.30		79.36	4,200	680	48	310	540
	1-Jul-94		18.63		79.03	4,600	600	63	240	470
	20-Sep-94		21.64		76.02	8,200	2,200	130	670	930
	6-Dec-94		19.15		78.51	4,000	640	34	290	480
	10-Mar-95		15.86		81.80	Well Not Sampled				
	15-Mar-95		16.61		81.05	4,300	980	47	370	780

Table 1. Summary of Groundwater Elevation Data and Analytical Laboratory Results for Groundwater Samples Collected at Former E-Z Serve Station # 100877 525 West A Street, Hayward, California

Well I.D.	Date Sampled	Well Elevation (feet)[1]	Depth to Water (feet)[2]	Product Thickness (feet)	Groundwater Elevation (feet)[1]	EPA Methods 8015 and 8020 Concentration (µg/L)				
						TPHg[3]	Benzene	Toluene	Ethylbenzene	Xylenes
MW-4	5-Feb-92	100.50	21.31		79.19	16,000	2,700	410	<1	3,400
	11-Sep-92		20.62		79.88	43,000	7,600	1,600	1,400	4,100
	22-Dec-92		20.37		80.13	29,000	8,800	1,200	1,500	3,700
	3-Mar-93		16.78		83.72	17,000	5,000	1,500	680	1,700
	23-Jun-93	97.10	17.45		79.65	5,700	3,000	120	560	790
	30-Sep-93		18.64		78.46	21,000	7,000	2,100	970	2,600
	6-Feb-94		18.59		78.51	24,000	7,200	1,600	990	3,200
	2-May-94		17.81		79.29	10,000	2,200	440	470	1,200
	1-Jul-94		18.13		78.97	8,200	2,000	370	350	930
	20-Sep-94		21.13		75.97	7,200	2,000	360	380	1,000
	6-Dec-94		18.36		78.74	9,000	2,300	400	440	1,100
	10-Mar-95		15.25		81.85	Well Not Sampled				
	15-Mar-95		14.89		82.21	15,000	4,400	600	770	2,660
MW-5	5-Feb-92	100.48	20.93		79.55	78,000	7,900	5,000	2,900	1,800
	11-Sep-92		20.27		80.21	49,000	4,700	400	1,400	4,100
	22-Dec-92		19.99		80.49	34,000	8,600	340	2,200	4,800
	3-Mar-93		16.49		83.99	22,000	7,500	640	1,300	3,400
	23-Jun-93	96.73	17.02		79.71	15,000	5,800	120	1,100	2,100
	30-Sep-93		18.25		78.48	25,000	7,600	410	1,000	4,400
	6-Feb-94		18.26		78.47	23,000	6,000	180	2,000	5,900
	2-May-94		17.50		79.23	8,000	1,300	29	440	770
	1-Jul-94		17.79		78.94	10,000	1,700	97	600	1,400
	20-Sep-94		20.77		75.96	8,400	1,600	54	650	1,400
duplicate	20-Sep-94					9,300	1,700	56	670	1,600
	5-Dec-94		18.02		78.71	10,000	1,800	<50	620	1,400
	10-Mar-95		14.93		81.80	Well Not Sampled				
	15-Mar-95		14.70		82.03	5,300	1,100	11	180	320

Table 1. Summary of Groundwater Elevation Data and Analytical Laboratory Results for Groundwater Samples Collected at Former E-Z Serve Station # 100877 525 West A Street, Hayward, California

Well I.D.	Date Sampled	Well Elevation (feet)[1]	Depth to Water (feet)[2]	Product Thickness (feet)	Groundwater Elevation (feet)[1]	EPA Methods 8015 and 8020 Concentration (µg/L)				
						TPHg[3]	Benzene	Toluene	Ethylbenzene	Xylenes
MW-6	5-Feb-92	100.97	21.29		79.68	51,000	5,400	3,500	3,600	10,000
	11-Sep-92		20.56		80.41	24,000	2,500	830	1,400	2,300
	22-Dec-92		20.31		80.66	23,000	5,100	630	2,000	3,100
	3-Mar-93		16.83		84.14	18,000	4,400	820	1,400	2,400
	23-Jun-93	97.09	17.30		79.79	18,000	4,600	850	2,700	3,400
	30-Sep-93		19.05	0.03	78.07	Sample Not Analyzed				
	6-Feb-94		18.55		78.54	20,000	4,600	690	2,100	2,500
	2-May-94		17.74		79.35	5,300	930	54	610	240
	1-Jul-94		18.09		79.00	10,000	1,500	160	850	690
	20-Sep-94		21.05		76.04	11,000	2,000	140	1,200	760
	6-Dec-94		18.33		78.76	8,600	1,300	87	980	610
	10-Mar-95		15.35		81.74	Well Not Sampled				
	15-Mar-95		14.91		82.18	9,800	1,600	110	1,000	1,000
MW-7	23-Jun-93	97.44	17.87		79.57	29,000	4,200	71	4,400	5,600
	30-Sep-93		18.94		78.50	30,000	3,200	71	2,800	3,400
	6-Feb-94		19.11	0.06	78.39	Sample Not Analyzed				
	2-May-94		18.11		79.33	5,700	630	13	660	400
	1-Jul-94		18.72		78.72	3,100	180	99	160	520
	20-Sep-94		21.41		76.03	6,100	540	6	750	730
	5-Dec-94		18.66		78.78	3,700	280	<10	430	350
duplicate	5-Dec-94					3,900	310	<10	540	540
	10-Mar-95		15.72		81.72	Well Not Sampled				
	14-Mar-95		15.23		82.21	1,900	290	4	26	296
duplicate	14-Mar-95					1,000	330	5	30	339

Table 1. Summary of Groundwater Elevation Data and Analytical Laboratory Results for Groundwater Samples Collected at Former E-Z Serve Station # 100877 525 West A Street, Hayward, California

Well I.D.	Date Sampled	Well Elevation (feet)[1]	Depth to Water (feet)[2]	Product Thickness (feet)	Groundwater Elevation (feet)[1]	EPA Methods 8015 and 8020 Concentration (µg/L)				
						TPHg[3]	Benzene	Toluene	Ethylbenzene	Xylenes
MW-8	23-Jun-93	97.61	17.64		79.97	350	43	9	35	67
	30-Sep-93		18.85		78.76	2,700	190	340	170	720
	6-Feb-94		18.91		78.70	<100	<1	1	1	2
	2-May-94		18.11		79.50	<100	<1	3	<1	7
	1-Jul-94		18.43		79.18	300	18	48	19	37
	20-Sep-94		21.43		76.18	<100	<1	<1	<1	<1
	5-Dec-94		18.72		78.89	<50	<0.5	<0.5	<0.5	<0.5
	10-Mar-95		18.69		78.92	Well Not Sampled				
	14-Mar-95		14.83		82.78	<50	<0.5	<0.5	<0.5	1
MW-9	23-Jun-93	95.41	15.94		79.47	45,000	14,000	1,200	2,800	12,000
	30-Sep-93		17.05		78.36	86,000	22,000	1,100	3,300	15,000
	6-Feb-94		17.07		78.34	43,000	10,000	460	2,100	7,500
	2-May-94		16.24		79.17	17,000	5,400	270	1,300	4,700
	1-Jul-94		16.59		78.82	10,000	2,100	120	450	1,300
	20-Sep-94		19.61		75.80	7,500	2,200	97	400	1,200
	5-Dec-94		16.85		78.56	10,000	2,700	130	530	1,600
	10-Mar-95		NR			Well Not Sampled				
	14-Mar-95		14.18		81.23	18,000	5,900	270	1,200	3,680
MW-10	23-Jun-93	97.11	17.39		79.72	35,000	980	640	3,500	12,000
	30-Sep-93		18.58		78.53	4,000	230	12	100	680
	6-Feb-94		18.61		78.50	2,000	69	12	220	120
	2-May-94		17.83		79.28	710	16	6	85	62
	1-Jul-94		18.17		78.94	2,000	52	43	120	210
	20-Sep-94		21.15		75.96	2,800	34	16	270	560
	5-Dec-94		18.43		78.68	2,700	30	13	260	430
	10-Mar-95		15.37		81.74	Well Not Sampled				
	14-Mar-95		15.93		81.18	1,400	18	6	200	239

Table 1. Summary of Groundwater Elevation Data and Analytical Laboratory Results for Groundwater Samples Collected at Former E-Z Serve Station # 100877 525 West A Street, Hayward, California

Well I.D.	Date Sampled	Well Elevation (feet)[1]	Depth to Water (feet)[2]	Product Thickness (feet)	Groundwater Elevation (feet)[1]	EPA Methods 8015 and 8020 Concentration (µg/L)				
						TPHg[3]	Benzene	Toluene	Ethylbenzene	Xylenes
MW-11	10-Feb-95	92.68	11.80		80.88	7,000	140	22	600	1,000
	10-Mar-95		11.58		81.10	Well Not Sampled				
	14-Mar-95		13.96		78.72	6,000	200	17	750	1,276
MW-12	10-Feb-95	99.03	16.30		82.73	<50	<0.5	<0.5	<0.5	<0.5
	10-Mar-95		16.37		82.66	Well Not Sampled				
	14-Mar-95		15.69		83.34	<50	<0.5	<0.5	<0.5	0.9
MW-13	10-Feb-95	96.80	14.45		82.35	<50	<0.5	<0.5	<0.5	<0.5
	10-Mar-95		14.30		82.50	Well Not Sampled				
	14-Mar-95		15.81		80.99	<50	<0.5	<0.5	<0.5	1
MW-14	10-Feb-95	99.01	16.28		82.73	12,000	42	8	740	2,100
duplicate	10-Feb-95					12,000	48	<10	800	2,300
	10-Mar-95		16.33		82.68	Well Not Sampled				
	14-Mar-95		14.87		84.14	1,400	6	2	36	298
QA/QC										
Field Blank	20-Sep-94					<100	<1	<1	<1	<1
Trip Blank	5-Dec-94					<50	<0.5	<0.5	<0.5	<0.5
Field Blank	5-Dec-94					<50	<0.5	<0.5	<0.5	<0.5
Trip Blank	10-Feb-95					<50	<0.5	<0.5	<0.5	<0.5
Field Blank	10-Feb-95					<50	<0.5	<0.5	<0.5	<0.5
Trip Blank	14-Mar-95					<50	<0.5	<0.5	<0.5	<0.5
Field Blank	14-Mar-95					<50	<0.5	<0.5	<0.5	<0.5

[1]Relative to lower mean sea level.

[2]Below ground surface.

[3]Total Petroleum Hydrocarbons as gasoline.

ATTACHMENT A

SAMPLING AND ANALYSIS PLAN
FIELD NOTES
CHAIN-OF-CUSTODY
LABORATORY DATA SHEETS

EZ-SERVE MANAGEMENT COMPANY
QUARTERLY GROUNDWATER MONITORING PROGRAM
SAMPLING AND ANALYSIS PLAN

The following sections describe the procedures and protocols followed during this quarterly groundwater monitoring event at the subject site.

Depth-to-Water Measurements

Prior to sampling the groundwater monitoring wells, the wells were opened to the atmosphere for approximately one-quarter of one hour, to allow the static water level to adjust to the open barometric pressure. The depth-to-groundwater was then be measured, using an oil-water interface probe. The interface probe was lowered slowly until free product or water was encountered. At this point, the mark on the interface probe wire was read to the nearest 0.01 feet at the permanent reference point on the top of the well casing. If free product was encountered the probe was lowered until water was encountered. The difference between the two depths corresponds to the thickness of the free product. The total depth of the well was then measured using the same probe. A second check for free-product on top of the water column was made using a disposable bailer. The disposable bailer was lowered into the water to approximately one-half the bailer length. The bailer was then removed from the well and a check for the presence of free petroleum product or a product sheen was made.

In the event that a dedicated bailer or purge tubing existed in the well, the dedicated equipment was removed prior to sampling, and temporarily stored in a clean, plastic garbage bag.

The depth-to-water and bottom of well measurements, and the presence or absence of free product, was recorded on the field sampling form. In addition, comments regarding the condition of the well and/or containment box were also be noted on the field sampling sheet at this time. Wells observed to contain a product sheen or free product on top of the water column were not be purged or sampled.

Groundwater Monitoring Well Purging

The depth-to-water and bottom of well measurements were used to calculate the volume of water contained in one well volume. The following values were used to calculate the volume of water contained in the well casing and filter pack surrounding the well.

Well Diameter	Gallons/linear foot
2-inch	0.16
4-inch	0.65
8-inch filter pack	0.78
10-inch filter pack	1.21

The minimum purge volume was calculated to be three times the total well volume. Once the minimum purge volume has been calculated purging was started. Purging was conducted using

either a centrifugal pump connected to a dedicated Wattera pump or a pre-cleaned submersible pump, depending on depth to water and the amount of sediment expected to be contained in the well. Temperature, pH, and specific conductance of the purge water was monitored during the purging process at regular intervals. Purging was ceased when the monitored parameters stabilized (three consecutive readings not varying by more than 10-percent) **and** a minimum of three well volumes had been purged.

In the event a well dried out during purging, the well was allowed to recover to 80-percent of it's original well volume, or for 24-hours, whichever was less, prior to collecting a groundwater sample.

Groundwater Monitoring Well Sampling

Once the well was successfully purged a groundwater sample was collected using a disposable polyethylene bailer connected to clean nylon or polyethylene cord. The bailer was lowered slowly into the water to avoid agitation of the sample. A portion of the sample was placed in a container and the monitoring parameters were recorded. The remaining portion of the sample was transferred from the bailer to the appropriate, laboratory supplied sampling bottles, using a bottom emptying device. The sampling containers were filled completely, leaving a positive meniscus, so no airspace remained in the vial after sealing.

The sample bottles were labeled with the well identification (i.e. MW-1, MW-2, etc), date and time of the sample collection, the field technicians initials, job number, analyses to be performed, and other relevant information. Samples were immediately placed in an insulated cooler containing crushed ice. The samples were maintained at approximately 3°C until reaching the analytical laboratory.

Laboratory Analysis

Samples were shipped, under appropriate chain-of-custody procedures, to SPL Laboratory in Houston. SPL Laboratory is certified by the State of California for performing the requested analyses. Samples were shipped via Federal Express to minimize the time the samples remained in the cooler. Samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg), and benzene, toluene, ethylbenzene, and xylene isomers (BTEX), following Environmental Protection Agency Methods 5030, 8015 modified, and 8020. Samples were analyzed on a standard two week turn-around time.

QA/QC Procedures

Instrument calibration. Equipment used to monitor groundwater parameters was calibrated prior to beginning purging at the site. Monitoring equipment was calibrated following the manufactures instructions using laboratory grade standards.

Equipment Decontamination. Non-disposable and non-dedicated sampling equipment was cleaned prior to use and between uses in each well. Downhole equipment was cleaned by

washing the equipment using a non-phosphate soap solution and rinsing the equipment twice with distilled water.

Duplicate. One duplicate sample was collected from the site from a randomly selected monitoring well. The duplicate sample was collected at the same time as the original sample and was treated in the same manner as the original sample. The duplicate sample was submitted to the laboratory for TPHg and BTEX analysis.

Trip Blank. A trip blank was prepared by the analytical laboratory and accompanied the sample bottles throughout the shipping and sampling events. The trip blank was submitted to the laboratory for TPHg and BTEX analysis.

Field Blank. One field blank was collected in the field by the field technician. The field blank was prepared, prior to sampling, by filling three 40-ml VOAs with distilled water. The field blank was submitted to the laboratory for TPHg and BTEX analysis.

Brown and Caldwell

BROWN & CALDWELL
WELL INFORMATION DATA

DATE: 3-14-95

JOB NAME: EZ-SERVE HAYWARD

JOB #: 1564-04

B&C PERSONNEL: STINAR

LOCK TYPE: MASTER #2402

WEATHER: OVERCAST COOL 55°F

LID TYPE: EMCO

INSTRUMENT: ORS OIL/WATER INTERFACE

WELL ID	SWL	TD	DIA	TIME	COMMENTS
MW-1	14.43	32.10	4"	0759	
MW-1A	15.55	28.40	2"	0747	FREE FLOATING PRODUCT .05'
MW-2	16.89	32.30	4"	0804	
MW-3	16.41	32.10	4"	0814	
MW-4	14.99	32.11	4"	0809	
MW-5	14.70	32.48	4"	0756	
MW-6	14.91	32.10	4"	0752	
MW-7*	15.23	30.06	2"	0818	
MW-8*	14.83	32.15	2"	0736	
MW-9*	14.18	31.60	2"	0742	
MW-10*	15.93	31.80	2"	0822	
MW-11*	13.96	25'.0	2"	0835	
MW-12*	15.69	30'.0	2"	0827	
MW-13*	15.81	30'.0	2"	0840	
MW-14*	14.87	30.0	2"	0831	

BROWN AND CALDWELL

Well No. MW-1

GROUNDWATER SAMPLE COLLECTION RECORD

Project Name: EZ-SERVE, HAYWARD CA Job No.: 1564-04 Date: 3-15-95

Location: WEST "A" STREET HAYWARD, CA STA.# 100877

Samplers Name: STINAR

Weather Conditions: SUNNY

TOC Elevation (from LS) _____

Water Table Elev. _____

Tape Corr. (TC) _____

Well Dia. 4" & 8"

1. WATER LEVEL DATA: (from TOC)

a. Depth to water (ft) = 14.43

b. Total Well Depth = 32.10

c. Length of Water Column = 17.67 (b. - a.)

d. Casing Volume = 11.4 gal (c. x [gal/ft casing])

e. Length of filter pack = 10'

f. Filter pack volume = 6.82 gal (e. x [gal/ft filter pack])

g. **TOTAL WELL VOLUME** = 18.30 gal (d. + f.)

2-in. casing	=0.16 gal/ft
(4-in. casing)	=0.65 gal/ft
6-in. casing	=1.47 gal/ft
6.5-in. casing	=1.7 gal/ft
8-in. casing	=2.60 gal/ft
10-in. casing	= 4.1 gal/ft
12-in. casing	= 5.0 gal/ft

2. WELL PURGING DATA:

a. Purge Method TRASH PUMP W/ WATERRA

b. Required Purge Volume (@ 3.0 gallons per well volume) = 54.9 gal

c. Field Testing; Equipment Used BECKMAN pH & TEMP, VWR COND

d. Pump Rate 1.5 gpm

e. Method of GW Disposal 55 gal DRUM

f. Recovery Rate: Slow (90% > 60 min), Medium (90% 30-60 min) (Fast (90% < 10 min))

Volume Removed (gal)	Time	T°c	pH	Spec. Conductivity	Turbidity (NTU's)	Color/ Description	SWL	Pump Placement
	1153					PUMP ON		
15	1207	20.9	7.35	983		CLEAR FUEL ODOR		
27	1211	21.1	7.03	1,020		"		
43.5	1222	21.3	6.99	1,082		"		
55	1230	21.0	6.97	1,078		"		
	1234	19.9	6.95	1,063		SAMPLE		

3. SAMPLE COLLECTION: Method DISPO. BAILER Container 3x40ml VOA Preservation HCL

Analysis TPH.G, 8015, BTEX 8020

COMMENTS, REMARKS

LABELED # 100877 MW-1 DEDICATED BAILER

BROWN AND CALDWELL

Well No. MW-1A

GROUNDWATER SAMPLE COLLECTION RECORD

Project Name: EZ-SERVE HAYWARD Job No.: 1564-04 Date: 3-15-95

Location: WEST "A" STREET HAYWARD, CA STA.# 100877

Samplers Name: STINAR

Weather Conditions: SUNNY

TOC Elevation (from LS) _____

Water Table Elev. _____

Tape Corr. (TC) _____

Well Dia. 2" X 6.5"

1. WATER LEVEL DATA: (from TOC)

a. Depth to water (ft) = 15.55' - 15.53' / FREE PRODUCT

b. Total Well Depth = 28.40

c. Length of Water Column = 12.85 (b. - a.)

d. Casing Volume = 2.05 GAL (c. x [gal/ft casing])

e. Length of filter pack = 9.53'

f. Filter pack volume = 5.13 GAL (e. x [gal/ft filter pack])

g. **TOTAL WELL VOLUME** = 7.18 GAL (d. + f.)

(2-in. casing)	=0.16 gal/ft
4-in. casing	=0.65 gal/ft
6-in. casing	=1.47 gal/ft
6.5-in. casing	=1.7 gal/ft
8-in. casing	=2.60 gal/ft
10-in. casing	= 4.1 gal/ft
12-in. casing	= 5.0 gal/ft

2. WELL PURGING DATA:

a. Purge Method N/A

b. Required Purge Volume (@ ____ gallons per well volume) = N/A

c. Field Testing; Equipment Used N/A

d. Pump Rate N/A

e. Method of GW Disposal N/A

f. Recovery Rate: Slow (90% > 60 min), Medium (90% 30-60 min), Fast (90% < 10 min) _____

Volume Removed (gal)	Time	T°c	pH	Spec. Conductivity	Turbidity (NTU's)	Color/ Description	SWL	Pump Placement

WELL NOT SAMPLED - FREE PRODUCT.

3. SAMPLE COLLECTION: Method N/A Container N/A Preservation N/A

Analysis N/A

COMMENTS, REMARKS

BROWN AND CALDWELL

Well No. MW-2

GROUNDWATER SAMPLE COLLECTION RECORD

Project Name: EZ-SERVE Job No.: 1564-04 Date: 3-15-95

Location: WEST "A" STREET, HAYWARD, CA. STA.# 100877

Samplers Name: STWAR

Weather Conditions: SUNNY

TOC Elevation (from LS) _____

Water Table Elev. _____

Tape Corr. (TC) _____

Well Dia. 4" x 8"

1. WATER LEVEL DATA: (from TOC)
   - a. Depth to water (ft) = 16.89'
   - b. Total Well Depth = 32.30'
   - c. Length of Water Column = 15.41' (b. - a.)
   - d. Casing Volume = 10.01 gal (c. x [gal/ft casing])
   - e. Length of filter pack = 10'
   - f. Filter pack volume = 6.82 gal (e. x [gal/ft filter pack])
   - g. **TOTAL WELL VOLUME** = 16.83 gal (d. + f.)

2-in. casing	=0.16 gal/ft
4-in. casing	=0.65 gal/ft
6-in. casing	=1.47 gal/ft
6.5-in. casing	=1.7 gal/ft
8-in. casing	=2.60 gal/ft
10-in. casing	= 4.1 gal/ft
12-in. casing	= 5.0 gal/ft

2. WELL PURGING DATA:
   - a. Purge Method TRASH PUMP W/ WATERRA
   - b. Required Purge Volume (@16.83 gallons per well volume) = 50.5 gal.
   - c. Field Testing; Equipment Used BECKMAN pH + TEMP, YSI COND.
   - d. Pump Rate 2.0 gpm
   - e. Method of GW Disposal 55 GAL DRUM
   - f. Recovery Rate: Slow (90% >60 min), Medium (90% 30-60 min), Fast (90% <10 min) _____

Volume Removed (gal)	Time	T°c	pH	Spec. Conductivity	Turbidity (NTU's)	Color/ Description	SWL	Pump Placement
	1104					PUMP ON		
16	1112	19.6	6.96	1,269		CLOUDY, FUEL ODOR		
32	1120	20.0	6.90	1,280		CLEAR, FUEL ODOR		
52.	1130	20.0	6.92	1,278		CLEAR		
	1135	19.9	6.93	1,281		SAMPLE		

3. SAMPLE COLLECTION: Method DISPO BAILER Container 3x40 ml VOA Preservation HCL

Analysis TPH-G, 8015, BTEX 8020

COMMENTS, REMARKS

LABELED # 100877-MW-2

BROWN AND CALDWELL

Well No. MW-3

GROUNDWATER SAMPLE COLLECTION RECORD

Project Name: EZ-SERVE HAYWARD Job No.: 1564-04 Date: 3-15-95

Location: WEST "A" STREET, HAYWARD, CA. STA.# 100877

Samplers Name: STINAR

Weather Conditions: SUNSHINE

TOC Elevation (from LS) _____

Water Table Elev. _____

Tape Corr. (TC) _____

Well Dia. 4"x8"

1. WATER LEVEL DATA: (from TOC)

a. Depth to water (ft) = 16.61

b. Total Well Depth = 32.10

c. Length of Water Column = 15.49 (b. - a.)

d. Casing Volume = 10.06 gal (c. x [gal/ft casing])

e. Length of filter pack = 10'

f. Filter pack volume = 6.82 gal (e. x [gal/ft filter pack])

g. **TOTAL WELL VOLUME** = 16.8 gal (d. + f.)

2-in. casing	=0.16 gal/ft
4-in. casing	=0.65 gal/ft
6-in. casing	=1.47 gal/ft
6.5-in. casing	=1.7 gal/ft
8-in. casing	=2.60 gal/ft
10-in. casing	= 4.1 gal/ft
12-in. casing	= 5.0 gal/ft

2. WELL PURGING DATA:

a. Purge Method TRASH P/ WATERRA

b. Required Purge Volume (@ 16.8 gallons per well volume) = 50.6

c. Field Testing; Equipment Used BECKMAN pH + TEMP, YSI COND.

d. Pump Rate 1.5 gpm

e. Method of GW Disposal 55 GAL. DRUM

f. Recovery Rate: Slow (90% >60 min), Medium (90% 30-60 min), Fast (90% < 10 min)

Volume Removed (gal)	Time	T°c	pH	Spec. Conductivity	Turbidity (NTU's)	Color/ Description	SWL	Pump Placement
	0905					PUMP ON		
15	0915	20.3	6.55	1,148		CLEAR, FUEL ODOR		30'
30	0925	20.5	6.72	1,096		SAME		
53	0940	20.5	6.74	1,128		SAME		
.5	0945	18.7	6.77	1,159		SAMPLED		

3. SAMPLE COLLECTION: Method DISP. BAILER Container 3x40ml VOA Preservation HCL

Analysis TPH.G, 8015, BTEX 8020

COMMENTS, REMARKS

LABELLED # 100877-MW-3

BROWN AND CALDWELL

Well No. MW-4

GROUNDWATER SAMPLE COLLECTION RECORD

Project Name: EZ-SERVE HAYWARD Job No.: 1564-04 Date: 3-15-95

Location: WEST "A" STREET HAYWARD, CA STA.# 100877

Samplers Name: STINAR

Weather Conditions: SUNNY

TOC Elevation (from LS) _____

Water Table Elev. _____

Tape Corr. (TC) _____

Well Dia. 4" x 8"

1. WATER LEVEL DATA: (from TOC)

a. Depth to water (ft) = 14.89'

b. Total Well Depth = 32.11'

c. Length of Water Column = 17.22' (b. - a.)

d. Casing Volume = 11.19 gal (c. x [gal/ft casing])

e. Length of filter pack = 10'

f. Filter pack volume = 6.82 gal (e. x [gal/ft filter pack])

g. **TOTAL WELL VOLUME** = 18.01 gal (d. + f.)

2-in. casing	=0.16 gal/ft
(4-in. casing)	=0.65 gal/ft
6-in. casing	=1.47 gal/ft
6.5-in. casing	=1.7 gal/ft
8-in. casing	=2.60 gal/ft
10-in. casing	= 4.1 gal/ft
12-in. casing	= 5.0 gal/ft

2. WELL PURGING DATA:

a. Purge Method TRASH PUMP w/ WATERRA

b. Required Purge Volume (@ 18.01 gallons per well volume) = 54.0 gal

c. Field Testing; Equipment Used BECKMAN pH & TEMP VWR Cond.

d. Pump Rate 1.5 gpm

e. Method of GW Disposal 55 gal DRUM

f. Recovery Rate: Slow (90% >60 min), Medium (90% 30-60 min), (Fast (90% < 10 min))

Volume Removed (gal)	Time	T°c	pH	Spec. Conductivity	Turbidity (NTU's)	Color/ Description	SWL	Pump Placement
	1005					PUMP ON		
15	1015	20.3	6.91	1,214		CLEAR, FUEL ODOR		30'
30	1025	20.5	6.88	1,210		SAME		
55.5	1042	19.7	6.88	1,217		"		
	1047	19.5	6.87	1,220		SAMPLED		

3. SAMPLE COLLECTION: Method DISPO. BAILER Container 3x40ml VOA Preservation HCL

Analysis TPH.G, 8015, BTEX 8020

COMMENTS, REMARKS

LABELED 100877-MW-4

BROWN AND CALDWELL

Well No. MW-5

GROUNDWATER SAMPLE COLLECTION RECORD

Project Name: EZ-SERVE HAYWARD Job No.: 1564-04 Date: 3-15-95

Location: WEST "A" STREET HAYWARD, CA STA.# 100877

Samplers Name: STWAR

Weather Conditions: SUNNY

TOC Elevation (from LS) _____

Water Table Elev. _____

Tape Corr. (TC) _____

Well Dia. 4" x 8"

1. WATER LEVEL DATA: (from TOC)

a. Depth to water (ft) = 14.70'

b. Total Well Depth = 32.48'

c. Length of Water Column = 17.78' (b. - a.)

d. Casing Volume = 11.55gal. (c. x [gal/ft casing])

e. Length of filter pack = 10'

f. Filter pack volume = 6.62gal. (e. x [gal/ft filter pack])

g. **TOTAL WELL VOLUME** = 18.37gal. (d. + f.)

2-in. casing	=0.16 gal/ft
(4-in. casing)	=0.65 gal/ft
6-in. casing	=1.47 gal/ft
6.5-in. casing	=1.7 gal/ft
8-in. casing	=2.60 gal/ft
10-in. casing	= 4.1 gal/ft
12-in. casing	= 5.0 gal/ft

2. WELL PURGING DATA:

a. Purge Method TRASH PUMP w/ WATERRA

b. Required Purge Volume (@ 18.37 gallons per well volume) = 55.13 gal

c. Field Testing; Equipment Used BECKMAN pH & TEMP, YWR COND.

d. Pump Rate 1.7 GPM

e. Method of GW Disposal 55 gal. DRUMS

f. Recovery Rate: Slow (90% > 60 min), Medium (90% 30-60 min), (Fast (90% < 10 min))

Volume Removed (gal)	Time	T°c	pH	Spec. Conductivity	Turbidity (NTU's)	Color/ Description	SWL	Pump Placement
	1253					PUMP ON		
17	1303	21.6	6.74	1,226		CLEAR, FUEL ODOR		30'
34	1313	21.9	6.69	1,212		SAME		
55.	1325	21.6	6.64	1,200		SAME		
.5	1330	21.7	6.63	1,208		SAMPLED		

3. SAMPLE COLLECTION: Method DISPO. BAILER Container 3x40ml VOA Preservation HCL

Analysis TPH.G, 8015, BTEX 8020

COMMENTS, REMARKS

LABELED # 100877-MW-5

BROWN AND CALDWELL

Well No. MW-6

GROUNDWATER SAMPLE COLLECTION RECORD

Project Name: EZ-SERVE HAYWARD Job No.: 1564-04 Date: 3-15-95

Location: WEST "A" STREET HAYWARD, CA STA# 100877

Samplers Name: STINAR

Weather Conditions: SUNNY

TOC Elevation (from LS) _____

Water Table Elev. _____

Tape Corr. (TC) _____

Well Dia. 4"X8"

1. WATER LEVEL DATA: (from TOC)

a. Depth to water (ft) = 14.91'

b. Total Well Depth = 32.10'

c. Length of Water Column = 17.19' (b. - a.)

d. Casing Volume = 11.17 gal (c. x [gal/ft casing])

e. Length of filter pack = 10'

f. Filter pack volume = 6.82 gal (e. x [gal/ft filter pack])

g. **TOTAL WELL VOLUME** = 17.99 gal (d. + f.)

2-in. casing	=0.16 gal/ft
4-in. casing	=0.65 gal/ft
6-in. casing	=1.47 gal/ft
6.5-in. casing	=1.7 gal/ft
8-in. casing	=2.60 gal/ft
10-in. casing	= 4.1 gal/ft
12-in. casing	= 5.0 gal/ft

2. WELL PURGING DATA:

a. Purge Method TRASH PUMP W/ WATERRA

b. Required Purge Volume (@ 17.99 gallons per well volume) = 53.9 gal

c. Field Testing; Equipment Used BECKMAN pH + TEMP. VWR COND.

d. Pump Rate 1.5 gpm

e. Method of GW Disposal 55 GAL. DRUM

f. Recovery Rate: Slow (90% > 60 min), Medium (90% 30-60 min), Fast (90% < 10 min)

Volume Removed (gal)	Time	T°c	pH	Spec. Conductivity	Turbidity (NTU's)	Color/ Description	SWL	Pump Placement
	1346					PUMP ON		
15	1356	22.3	6.76	1,217		SLIGHT TURBIDITY FUEL ODOR		
30	1406	22.1	6.72	1,215		CLEAR		
45	1416	21.5	6.66	1,167		CLEAR		
54	1422	21.6	6.63	1,172		CLEAR		
.5	1427	21.7	6.61	1,170		SAMPLED		

3. SAMPLE COLLECTION: Method DISPO. BAILER Container 3x40ml VOA Preservation HCL

Analysis TPH.G 8015 BTEX 8020

COMMENTS, REMARKS

LABELED # 100877-MW-6

BROWN AND CALDWELL

Well No. MW-7

GROUNDWATER SAMPLE COLLECTION RECORD

Project Name: EZ SERVE, HAYWARD Job No.: 1564-04 Date: 3-14-95

Location: GARDEN AVE.

Samplers Name: STWAR

Weather Conditions: OVERCAST 65°F

1. WATER LEVEL DATA: (from TOC)

a. Depth to water (ft) = 15.23

b. Total Well Depth = 31.80

c. Length of Water Column = 16.57 (b. - a.)

d. Casing Volume = 2.65 gal (c. x [gal/ft casing])

e. Length of filter pack = 10'

f. Filter pack volume = 5.46 gal (e. x [gal/ft filter pack])

g. TOTAL WELL VOLUME = 8.11 gal (d. + f.)

TOC Elevation (from LS) _____

Water Table Elev. _____

Tape Corr. (TC) _____

Well Dia. 2"x6.5"

2-in. casing	=0.16 gal/ft
4-in. casing	=0.65 gal/ft
6-in. casing	=1.47 gal/ft
6.5-in. casing	=1.7 gal/ft
8-in. casing	=2.60 gal/ft
10-in. casing	= 4.1 gal/ft
12-in. casing	= 5.0 gal/ft

2. WELL PURGING DATA:

a. Purge Method TRASH PUMP w/ WATERRA

b. Required Purge Volume (@ 8.11 gallons per well volume) = 24.33 gal

c. Field Testing; Equipment Used BECKMAN pH + TEMP YSI COND.

d. Pump Rate 1.0 GPM

e. Method of GW Disposal 55 gal DRUM

f. Recovery Rate: Slow (90% >60 min), Medium (90% 30-60 min), Fast (90% <10 min) _____

Volume Removed (gal)	Time	T°c	pH	Spec. Conductivity	Turbidity (NTU's)	Color/ Description	SWL	Pump Placement
	1020					PUMP ON		
8.0	1028	21.0	6.47	1,290		BROWNISH, SILTY & SANDS FUEL ODOR		30'
15.0	1035	20.7	6.49	1,300		CLEARING		
26.0	1046	20.5	6.51	1,320		CLEARING		
	1049	20.2	6.52	1,330		SAMPLED		

3. SAMPLE COLLECTION: Method ~~DISP~~ BAILER Container 3x40ml VOA Preservation HCL

Analysis TPH-G, 8015 MOD, BTEX

COMMENTS, REMARKS

BROWN AND CALDWELL

Well No. MW-8

GROUNDWATER SAMPLE COLLECTION RECORD

Project Name: EZ-SERVE HAYWARD Job No.: 1564-04 Date: 3-14-95

Location: GARDEN AVE. + "A" ST. HAYWARD, CA

Samplers Name: STNAR

Weather Conditions: OVER CAST

1. WATER LEVEL DATA: (from TOC)

TOC Elevation (from LS) _____

Water Table Elev. _____

Tape Corr. (TC) _____

Well Dia. 2" X 6.5"

a. Depth to water (ft) = 14.83

b. Total Well Depth = 32.15

c. Length of Water Column = 17.32 (b. - a.)

d. Casing Volume = 2.77 gal. (c. x [gal/ft casing])

e. Length of filter pack = 10'

f. Filter pack volume = 5.46 gal (e. x [gal/ft filter pack])

g. TOTAL WELL VOLUME = 8.23 gal (d. + f.)

2-in. casing	=0.16 gal/ft
4-in. casing	=0.65 gal/ft
6-in. casing	=1.47 gal/ft
6.5-in. casing	=1.7 gal/ft
8-in. casing	=2.60 gal/ft
10-in. casing	= 4.1 gal/ft
12-in. casing	= 5.0 gal/ft

2. WELL PURGING DATA:

a. Purge Method TRASH PUMP / WATERRA

b. Required Purge Volume (@ 8.23 gallons per well volume) = 24.6 gal

c. Field Testing; Equipment Used BECKMAN pH + TEMP VWR COND.

d. Pump Rate 1.5 gpm

e. Method of GW Disposal 55 gal. DRUM

f. Recovery Rate: Slow (90% > 60 min), (Medium (90% 30-60 min)), Fast (90% < 10 min) _____

PUMP ON 0910

Volume Removed (gal)	Time	T°c	pH	Spec. Conductivity	Turbidity (NTU's)	Color/ Description	SWL	Pump Placement
~~0916~~ 9.0	0916	19.8	6.42	1,280		CLOUDY, SILTS		
18.0	0922	19.7	6.47	1,270		CLEARING, FINE SILTS		30'
27.0	0924	19.8	6.48	1,280		CLEARING		
	0927	19.8	6.47	1,280		SAMPLE		

3. SAMPLE COLLECTION: Method DISPO. BAILER Container 3x40 ml VOA Preservation HCL

Analysis TPH-G, 8015, BTEX

COMMENTS, REMARKS

PUT NEW 2" EXPANDING CAP & LOCK ON WELL

BROWN AND CALDWELL

Well No. MW-9

GROUNDWATER SAMPLE COLLECTION RECORD

Project Name: EZ-SERVE HAYWARD Job No.: 1564-04 Date: 3-14-95

Location: GARDEN x "A" ST. HAYWARD

Samplers Name: STWAR

Weather Conditions: PARTLY CLOUDY 65°

1. WATER LEVEL DATA: (from TOC)

TOC Elevation (from LS) _____

Water Table Elev. _____

Tape Corr. (TC) _____

Well Dia. 2" x 6.5"

a. Depth to water (ft) = 14.18

b. Total Well Depth = 31.60'

c. Length of Water Column = 17.42 (b. - a.)

d. Casing Volume = 2.78 gal (c. x [gal/ft casing])

e. Length of filter pack = 10'

f. Filter pack volume = 5.46 gal (e. x [gal/ft filter pack])

g. TOTAL WELL VOLUME = 8.24 gal (d. + f.)

2-in. casing	=0.16 gal/ft
4-in. casing	=0.65 gal/ft
6-in. casing	=1.47 gal/ft
6.5-in. casing	=1.7 gal/ft
8-in. casing	=2.60 gal/ft
10-in. casing	= 4.1 gal/ft
12-in. casing	= 5.0 gal/ft

2. WELL PURGING DATA:

a. Purge Method TRASH PUMP WITH WATERRA

b. Required Purge Volume (@ 8.24 gallons per well volume) = 24.7 gal

c. Field Testing; Equipment Used BECKMAN pH & TEMP

d. Pump Rate 1.25 gpm

e. Method of GW Disposal 55 gal DRUM

f. Recovery Rate: Slow (90% > 60 min), Medium (90% 30-60 min), Fast (90% < 10 min) _____

Volume Removed (gal)	Time	T°c	pH	Spec. Conductivity	Turbidity (NTU's)	Color/ Description	SWL	Pump Placement
	1340					PUMP ON		
9.0	1347	19.9	6.97	1,450		GREENISH, BROWN SILTS		
15.0	1352	19.8	6.81	1,390		CLEARING		
21.0	1357	19.7	6.79	1,370		CLEARING		
26.0	1401	19.6	6.77	1,370		CLEARING		
	1406	19.7	6.76	1,360		SAMPLED		

3. SAMPLE COLLECTION: Method DISPO BAILER Container 3x40ml VOA Preservation HCL

Analysis TPH-G, 8015 MOD, BTEX

COMMENTS. REMARKS

BROWN AND CALDWELL

Well No. MW-10

GROUNDWATER SAMPLE COLLECTION RECORD

Project Name: EZ-SERVE HAYWARD Job No.: 1564-04 Date: 3-14-95

Location: GARDEN AVE + "A" ST. HAYWARD, CA

Samplers Name: STINAR

Weather Conditions: OVERCAST, WARMING 60°

1. WATER LEVEL DATA: (from TOC)

TOC Elevation (from LS) _____

Water Table Elev. _____

Tape Corr. (TC) _____

Well Dia. 2" x 6.5"

a. Depth to water (ft) = 15.93

b. Total Well Depth = 31.80

c. Length of Water Column = 15.87 (b. - a.)

d. Casing Volume = 2.53 gal (c. x [gal/ft casing])

e. Length of filter pack = 10'

f. Filter pack volume = 5.46 gal (e. x [gal/ft filter pack])

g. TOTAL WELL VOLUME = 7.99 gal (d. + f.)

2-in. casing	=0.16 gal/ft
4-in. casing	=0.65 gal/ft
6-in. casing	=1.47 gal/ft
6.5-in. casing	=1.7 gal/ft
8-in. casing	=2.60 gal/ft
10-in. casing	= 4.1 gal/ft
12-in. casing	= 5.0 gal/ft

2. WELL PURGING DATA:

a. Purge Method TRASH PUMP w/ WATERRA

b. Required Purge Volume (@ 7.99 gallons per well volume) = 23.9 gal

c. Field Testing; Equipment Used BECKMAN pH + TEMP YSI R COND.

d. Pump Rate 1.5 gpm

e. Method of GW Disposal 55 gal DRUM

f. Recovery Rate: Slow (90% > 60 min) (Medium (90% 30-60 min)) Fast (90% < 10 min) _____

Volume Removed (gal)	Time	T°c	pH	Spec. Conductivity	Turbidity (NTU's)	Color/ Description	SWL	Pump Placement
	0940					PUMP ON		
9.0	0946	19.9	6.47	1,100		GRAYISH-GREEN, FUEL ODOR SILTS		30'
18.0	0952	19.3	6.51	1,120		CLEARING SOME		
24.0	0958	19.5	6.57	1,100		CLEARING		
	1002	19.6	6.54	1,120		SAMPLED		

3. SAMPLE COLLECTION: Method DISPO BAILER Container 3x40ml VOA Preservation HCL

Analysis TPH-G, 8015 MOD, BTEX

COMMENTS, REMARKS

BROWN AND CALDWELL

Well No. MW-4

GROUNDWATER SAMPLE COLLECTION RECORD

Project Name: EZ-SERVE HAYWARD Job No.: 1564.04 Date: 3-14-95

Location: WEST A STREET HAYWARD

Samplers Name: STINAR

Weather Conditions: PARTLY CLOUDY

1. WATER LEVEL DATA: (from TOC)

TOC Elevation (from LS) _____

Water Table Elev. _____

Tape Corr. (TC _____

Well Dia. 2" X 6.5"

a. Depth to water (ft) = 13.96'

b. Total Well Depth = 25.00'

c. Length of Water Column = 11.04' (b. - a.)

d. Casing Volume = 1.7 gal (c. x [gal/ft casing])

e. Length of filter pack = 10'

f. Filter pack volume = 5.46 gal (e. x [gal/ft filter pack])

g. **TOTAL WELL VOLUME** = 7.22 gal (d. + f.)

2-in. casing	=0.16 gal/ft
4-in. casing	=0.65 gal/ft
6-in. casing	=1.47 gal/ft
6.5-in. casing	=1.7 gal/ft
8-in. casing	=2.60 gal/ft
10-in. casing	= 4.1 gal/ft
12-in. casing	= 5.0 gal/ft

2. WELL PURGING DATA:

a. Purge Method TRASH PUMP WITH WATERRA

b. Required Purge Volume (@ 7.22 gallons per well volume) = 21.6

c. Field Testing; Equipment Used BECKMAN pH + TEMP, YSI R COND.

d. Pump Rate 1.5 gpm

e. Method of GW Disposal 55 gal DRUM

f. Recovery Rate: Slow (90% >60 min), Medium (90% 30-60 min), Fast (90% <10 min) _____

Volume Removed (gal)	Time	T°c	pH	Spec. Conductivity	Turbidity (NTU's)	Color/ Description	SWL	Pump Placement
	1430					PUMP ON		
8.0	1435	20.1	6.39	1290		GREENISH-BROWN, SILTS FUEL ODOR		
16.0	1440	19.9	6.42	1,310		CLEARING		
24.0	1445	19.8	6.45	1,310		CLEARING		
	1450	19.7	6.46	1,300		SAMPLE		

3. SAMPLE COLLECTION: Method DISP BAILER Container 3x40ml VOA Preservation HCL

Analysis TPH.G, BTEX, 8015 MOD

COMMENTS, REMARKS

BROWN AND CALDWELL

Well No. MW-12

GROUNDWATER SAMPLE COLLECTION RECORD

Project Name: EZ-SERVE, HAYWARD Job No.: 1564-04 Date: 3-14-95

Location: GARDEN AVE x LUPINE ST

Samplers Name: STIWAR

Weather Conditions: OVERCAST 65° F

1. WATER LEVEL DATA: (from TOC)

TOC Elevation (from LS) _____

Water Table Elev. _____

Tape Corr. (TC) _____

Well Dia. 2" x 6.5"

a. Depth to water (ft) = 15.69

b. Total Well Depth = 30.0

c. Length of Water Column = 14.31 (b. - a.)

d. Casing Volume = 2.28 gal (c. x [gal/ft casing])

e. Length of filter pack = 10'

f. Filter pack volume = 5.46 gal (e. x [gal/ft filter pack])

g. TOTAL WELL VOLUME = 7.74 gal (d. + f.)

2-in. casing	=0.16 gal/ft
4-in. casing	=0.65 gal/ft
6-in. casing	=1.47 gal/ft
6.5-in. casing	=1.7 gal/ft
8-in. casing	=2.60 gal/ft
10-in. casing	= 4.1 gal/ft
12-in. casing	= 5.0 gal/ft

2. WELL PURGING DATA:

a. Purge Method TRASH PUMP WITH WATERRA

b. Required Purge Volume (@7.74 gallons per well volume) = 23.2 gal

c. Field Testing; Equipment Used BECKMAN pH + TEMP VWR COND.

d. Pump Rate 1.0 gpm

e. Method of GW Disposal 55 gal DRUM

f. Recovery Rate: Slow (90% >60 min), Medium (90% 30-60 min), Fast (90% <10 min) _____

Volume Removed (gal)	Time	T°c	pH	Spec. Conductivity	Turbidity (NTU's)	Color/ Description	SWL	Pump Placement
	1109					PUMP ON		
11	1120	~~20.7~~ ~~6.56~~	6.56	1,080		BROWNISH + SILTY		28'
17	1126	19.9	6.60	1,100		CLEARING		
25	1134	19.7	6.61	1,090		CLEARING		
	1140	19.6	6.62	1,080		SAMPLED		

3. SAMPLE COLLECTION: Method DISPO BAILER Container 3x40 ml VOA Preservation HCL

Analysis TPH-G, 8015 MOD, BTEX

COMMENTS, REMARKS

BROWN AND CALDWELL

Well No. MW-13

GROUNDWATER SAMPLE COLLECTION RECORD

Project Name: EZ-SERVE, HAYWARD Job No.: 1564-04 Date: 3-14-95

Location: VICTORY AVE & "A" ST. HAYWARD

Samplers Name: STUART

Weather Conditions: PARTLY CLOUDY

1. WATER LEVEL DATA: (from TOC)

TOC Elevation (from LS) _____

Water Table Elev. _____

Tape Corr. (°C) _____

Well Dia. 2" X 6.5"

a. Depth to water (ft) = 15.81'

b. Total Well Depth = 30.0'

c. Length of Water Column = 14.19' (b. - a.)

d. Casing Volume = 2.27 gal (c. x [gal/ft casing])

e. Length of filter pack = 10'

f. Filter pack volume = 5.46 gal (e. x [gal/ft filter pack])

g. TOTAL WELL VOLUME = 7.73 gal (d. + f.)

2-in. casing	=0.16 gal/ft
4-in. casing	=0.65 gal/ft
6-in. casing	=1.47 gal/ft
6.5-in. casing	=1.7 gal/ft
8-in. casing	=2.60 gal/ft
10-in. casing	= 4.1 gal/ft
12-in. casing	= 5.0 gal/ft

2. WELL PURGING DATA:

a. Purge Method TRASH PUMP WITH WATERRA

b. Required Purge Volume (@ 7.73 gallons per well volume) = 23.19 gals

c. Field Testing; Equipment Used BECKMAN pH & TEMP, VWR PONDS

d. Pump Rate 1.0 gpm

e. Method of GW Disposal 55 gal Drum

f. Recovery Rate: ~~Slow (90% > 60 min)~~, Medium (90% 30-60 min), Fast (90% < 10 min) _____

Volume Removed (gal)	Time	T°c	pH	Spec. Conductivity	Turbidity (NTU's)	Color/ Description	SWL	Pump Placement
1.0	1508	20.0	6.97	1,100		PUMP ON		
8.0	1515	19.7	7.02	1,110		BROWNISH, SILTS SOME SANDS		
15.0	1522	19.8	7.03	1,120		CLEARING		
25.0	1532	19.7	7.05	1,100		CLEAR		

3. SAMPLE COLLECTION: Method DISPO BAILER Container 3x40ml VOA Preservation HCL

Analysis TPH-G, 8015 MOD, BTEX

COMMENTS, REMARKS

BROWN AND CALDWELL

Well No. MW-14

GROUNDWATER SAMPLE COLLECTION RECORD

Project Name: EZ-SERVE HAYWARD Job No.: 1564.04 Date: 3-14-95

Location: GARDEN AVE + HUPING ST. STATION # 100877

Samplers Name: STINAR

Weather Conditions: OVERCAST 65°F LIGHT RAIN

1. WATER LEVEL DATA: (from TOC)

TOC Elevation (from LS) _____

Water Table Elev. _____

Tape Corr. (TC) _____

Well Dia. 2" X 6.5"

a. Depth to water (ft) = 14.87

b. Total Well Depth = 30.0

c. Length of Water Column = 15.13 (b. - a.)

d. Casing Volume = 2.42 GAL (c. x [gal/ft casing])

e. Length of filter pack = 10'

f. Filter pack volume = 5.46 GAL (e. x [gal/ft filter pack])

g. TOTAL WELL VOLUME = 7.88 GAL (d. + f.)

2-in. casing	=0.16 gal/ft
4-in. casing	=0.65 gal/ft
6-in. casing	=1.47 gal/ft
6.5-in. casing	=1.7 gal/ft
8-in. casing	=2.60 gal/ft
10-in. casing	= 4.1 gal/ft
12-in. casing	= 5.0 gal/ft

2. WELL PURGING DATA:

a. Purge Method TRASH PUMP W/ WATERRA

b. Required Purge Volume (@7.88 gallons per well volume) = 23.6 GAL

c. Field Testing; Equipment Used BECKMAN pH + TEMP VWR COND.

d. Pump Rate 1.0 GPM

e. Method of GW Disposal 55 GAL DRUM

f. Recovery Rate: Slow (90% >60 min), Medium (90% 30-60 min), Fast (90% <10 min)

Volume Removed (gal)	Time	T°c	pH	Spec. Conductivity	Turbidity (NTU's)	Color/ Description	SWL	Pump Placement
	1240					PUMP ON		
6	1246	20.1	6.93	910		CLOUDY BROWNISH FINE SILTS		28'
13	1253	19.9	6.96	940		CLEARING		
19	1259	19.8	6.98	930		CLEARING		
25	1305	19.7	6.97	930		CLEAR		
	1310	19.8	6.97	920		SAMPLE		

3. SAMPLE COLLECTION: Method DISP BAILER Container 3x40ml VOA Preservation HCL

Analysis TPH-G, 8015 MOD, BTEX

COMMENTS, REMARKS

HOUSTON LABORATORY
8880 INTERCHANGE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

SPL, INC.

REPORT APPROVAL SHEET

WORK ORDER NUMBER: 95-03-645

Approved for release by:

Date: 3/30/95

Brent Barron, Project Manager

Date: 3/30/95

S. Sample, Laboratory Director

Certificate of Analysis No. H9-9503645-11

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877
SITE: West A Street/Hayward, CA
SAMPLED BY: Brown & Caldwell
SAMPLE ID: 100877-MW-1

PROJECT NO: 1564-04
MATRIX: WATER
DATE SAMPLED: 03/15/95 12:34:00
DATE RECEIVED: 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	56	0.5 P	µg/L
TOLUENE	2	0.5 P	µg/L
ETHYLBENZENE	12	0.5 P	µg/L
TOTAL XYLENE	47	0.5 P	µg/L
TOTAL BTEX	117		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	86		
4-Bromofluorobenzene	83		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/22/95			
Petroleum Hydrocarbons - Gasoline	290	50 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	111		
4-Bromofluorobenzene	67		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/21/95			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9503645-12

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877
SITE: West A Street/Hayward, CA
SAMPLED BY: Brown & Caldwell
SAMPLE ID: 100877-MW-2

PROJECT NO: 1564-04
MATRIX: WATER
DATE SAMPLED: 03/15/95 11:35:00
DATE RECEIVED: 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	5600	25 P	µg/L
TOLUENE	350	25 P	µg/L
ETHYLBENZENE	1900	25 P	µg/L
TOTAL XYLENE	6300	25 P	µg/L
TOTAL BTEX	14150		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	88		
4-Bromofluorobenzene	91		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/21/95			
Petroleum Hydrocarbons - Gasoline	29000	2500 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	126		
4-Bromofluorobenzene	83		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/21/95			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9503645-13

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877
SITE: West A Street/Hayward, CA
SAMPLED BY: Brown & Caldwell
SAMPLE ID: 100877-MW-3

PROJECT NO: 1564-04
MATRIX: WATER
DATE SAMPLED: 03/15/95 09:45:00
DATE RECEIVED: 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	980	5 P	µg/L
TOLUENE	47	5 P	µg/L
ETHYLBENZENE	370	5 P	µg/L
TOTAL XYLENE	780	5 P	µg/L
TOTAL BTEX	2177		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	91		
4-Bromofluorobenzene	89		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/21/95			
Petroleum Hydrocarbons - Gasoline	4300	500 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	109		
4-Bromofluorobenzene	71		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/21/95			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., - Project Manager

SPL®

Certificate of Analysis No. H9-9503645-14

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877
SITE: West A Street/Hayward, CA
SAMPLED BY: Brown & Caldwell
SAMPLE ID: 100877-MW-4

PROJECT NO: 1564-04
MATRIX: WATER
DATE SAMPLED: 03/15/95 10:47:00
DATE RECEIVED: 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	4400	12.5 P	µg/L
TOLUENE	600	12.5 P	µg/L
ETHYLBENZENE	770	12.5 P	µg/L
TOTAL XYLENE	2660	12.5 P	µg/L
TOTAL BTEX	8430		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	98		
4-Bromofluorobenzene	87		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/21/95			
Petroleum Hydrocarbons - Gasoline	15000	1250 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	130		
4-Bromofluorobenzene	83		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/21/95			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., Project Manager

SPL®

Certificate of Analysis No. H9-9503645-15

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877
SITE: West A Street/Hayward, CA
SAMPLED BY: Brown & Caldwell
SAMPLE ID: 100877-MW-5

PROJECT NO: 1564-04
MATRIX: WATER
DATE SAMPLED: 03/15/95 13:30:00
DATE RECEIVED: 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	1100	5 P	µg/L
TOLUENE	11	5 P	µg/L
ETHYLBENZENE	180	5 P	µg/L
TOTAL XYLENE	320	5 P	µg/L
TOTAL BTEX	1611		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	101		
4-Bromofluorobenzene	95		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/22/95			
Petroleum Hydrocarbons - Gasoline	5300	250 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	153		
4-Bromofluorobenzene	95		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/21/95			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9503645-16

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877
SITE: West A Street/Hayward, CA
SAMPLED BY: Brown & Caldwell
SAMPLE ID: 100877-MW-6

PROJECT NO: 1564-04
MATRIX: WATER
DATE SAMPLED: 03/15/95 14:27:00
DATE RECEIVED: 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	1600	12.5 P	µg/L
TOLUENE	110	12.5 P	µg/L
ETHYLBENZENE	1000	12.5 P	µg/L
TOTAL XYLENE	1000	12.5 P	µg/L
TOTAL BTEX	3710		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	89		
4-Bromofluorobenzene	90		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/21/95			
Petroleum Hydrocarbons - Gasoline	9800	1250 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	123		
4-Bromofluorobenzene	78		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/21/95			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., - Project Manager

SPL®

Certificate of Analysis No. H9-9503645-03

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877
SITE: West A Street/Hayward, CA
SAMPLED BY: Brown & Caldwell
SAMPLE ID: 100877-MW-7

PROJECT NO: 1564-04
MATRIX: WATER
DATE SAMPLED: 03/14/95 10:49:00
DATE RECEIVED: 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	290	1 P	µg/L
TOLUENE	4	1 P	µg/L
ETHYLBENZENE	26	1 P	µg/L
TOTAL XYLENE	296	1 P	µg/L
TOTAL BTEX	616		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	110		
4-Bromofluorobenzene	141		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/22/95			
Petroleum Hydrocarbons - Gasoline	1900	50 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	155		
4-Bromofluorobenzene	187 «		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/21/95			

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9503645-09

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877
SITE: West A Street/Hayward, CA
SAMPLED BY: Brown & Caldwell
SAMPLE ID: 100877-MW-7D

PROJECT NO: 1564-04
MATRIX: WATER
DATE SAMPLED: 03/14/95 10:51:00
DATE RECEIVED: 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	330	0.5 P	µg/L
TOLUENE	5	0.5 P	µg/L
ETHYLBENZENE	30	0.5 P	µg/L
TOTAL XYLENE	339	0.5 P	µg/L
TOTAL BTEX	704		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	119		
4-Bromofluorobenzene	150 «		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/22/95			
Petroleum Hydrocarbons - Gasoline	1000	100 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	126		
4-Bromofluorobenzene	121		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/22/95			

(P) - Practical Quantitation Limit « - Recovery beyond control limits.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., Project Manager

Certificate of Analysis No. H9-9503645-10

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877
SITE: West A Street/Hayward, CA
SAMPLED BY: Brown & Caldwell
SAMPLE ID: 100877-MW-7FB

PROJECT NO: 1564-04
MATRIX: WATER
DATE SAMPLED: 03/14/95 10:53:00
DATE RECEIVED: 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.5 P	µg/L
TOLUENE	ND	0.5 P	µg/L
ETHYLBENZENE	ND	0.5 P	µg/L
TOTAL XYLENE	ND	0.5 P	µg/L
TOTAL BTEX	ND		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	77		
4-Bromofluorobenzene	72		
METHOD 5030/8020 ***			
Analyzed by: DAO			
Date: 03/20/95			
Petroleum Hydrocarbons - Gasoline	ND	50 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	100		
4-Bromofluorobenzene	52		
Modified 8015 - Gasoline			
Analyzed by: DAO			
Date: 03/20/95			

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., - Project Manager

SPL®

Certificate of Analysis No. H9-9503645-01

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877 **PROJECT NO:** 1564-04
SITE: West A Street/Hayward, CA **MATRIX:** WATER
SAMPLED BY: Brown & Caldwell **DATE SAMPLED:** 03/14/95 09:27:00
SAMPLE ID: 100877-MW-8 **DATE RECEIVED:** 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.5 P	µg/L
TOLUENE	ND	0.5 P	µg/L
ETHYLBENZENE	ND	0.5 P	µg/L
TOTAL XYLENE	1	0.5 P	µg/L
TOTAL BTEX	1		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	81		
4-Bromofluorobenzene	79		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/22/95			
Petroleum Hydrocarbons - Gasoline	ND	50 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	100		
4-Bromofluorobenzene	69		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/21/95			

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9503645-06

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877
SITE: West A Street/Hayward, CA
SAMPLED BY: Brown & Caldwell
SAMPLE ID: 100877-MW-9

PROJECT NO: 1564-04
MATRIX: WATER
DATE SAMPLED: 03/14/95 14:06:00
DATE RECEIVED: 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	5900	12.5 P	µg/L
TOLUENE	270	12.5 P	µg/L
ETHYLBENZENE	1200	12.5 P	µg/L
TOTAL XYLENE	3680	12.5 P	µg/L
TOTAL BTEX	11050		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	106		
4-Bromofluorobenzene	83		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/21/95			
Petroleum Hydrocarbons - Gasoline	18000	1250 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	125		
4-Bromofluorobenzene	76		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/21/95			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9503645-02

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877
SITE: West A Street/Hayward, CA
SAMPLED BY: Brown & Caldwell
SAMPLE ID: 100877-MW-10

PROJECT NO: 1564-04
MATRIX: WATER
DATE SAMPLED: 03/14/95 10:02:00
DATE RECEIVED: 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	18	0.5 P	µg/L
TOLUENE	6	0.5 P	µg/L
ETHYLBENZENE	200	0.5 P	µg/L
TOTAL XYLENE	239	0.5 P	µg/L
TOTAL BTEX	463		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	85		
4-Bromofluorobenzene	135		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/22/95			
Petroleum Hydrocarbons - Gasoline	1400	50 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	131		
4-Bromofluorobenzene	152		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/21/95			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9503645-07

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877
SITE: West A Street/Hayward, CA
SAMPLED BY: Brown & Caldwell
SAMPLE ID: 100877-MW-11

PROJECT NO: 1564-04
MATRIX: WATER
DATE SAMPLED: 03/14/95 14:50:00
DATE RECEIVED: 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	200	5 P	µg/L
TOLUENE	17	5 P	µg/L
ETHYLBENZENE	750	5 P	µg/L
TOTAL XYLENE	1276	5 P	µg/L
TOTAL BTEX	2243		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	82		
4-Bromofluorobenzene	102		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/21/95			
Petroleum Hydrocarbons - Gasoline	6000	500 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	123		
4-Bromofluorobenzene	97		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/21/95			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9503645-04

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877
SITE: West A Street/Hayward, CA
SAMPLED BY: Brown & Caldwell
SAMPLE ID: 100877-MW-12

PROJECT NO: 1564-04
MATRIX: WATER
DATE SAMPLED: 03/14/95 11:40:00
DATE RECEIVED: 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.5 P	µg/L
TOLUENE	ND	0.5 P	µg/L
ETHYLBENZENE	ND	0.5 P	µg/L
TOTAL XYLENE	0.9	0.5 P	µg/L
TOTAL BTEX	0.9		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	79		
4-Bromofluorobenzene	78		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/22/95			
Petroleum Hydrocarbons - Gasoline	ND	50 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	100		
4-Bromofluorobenzene	66		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/21/95			

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9503645-08

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877
SITE: West A Street/Hayward, CA
SAMPLED BY: Brown & Caldwell
SAMPLE ID: 100877-MW-13

PROJECT NO: 1564-04
MATRIX: WATER
DATE SAMPLED: 03/14/95 15:32:00
DATE RECEIVED: 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.5 P	µg/L
TOLUENE	ND	0.5 P	µg/L
ETHYLBENZENE	ND	0.5 P	µg/L
TOTAL XYLENE	1	0.5 P	µg/L
TOTAL BTEX	1		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	78		
4-Bromofluorobenzene	78		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/22/95			
Petroleum Hydrocarbons - Gasoline	ND	50 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	98		
4-Bromofluorobenzene	71		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/21/95			

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9503645-05

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877 **PROJECT NO:** 1564-04
SITE: West A Street/Hayward, CA **MATRIX:** WATER
SAMPLED BY: Brown & Caldwell **DATE SAMPLED:** 03/14/95 13:10:00
SAMPLE ID: 100877-MW-14 **DATE RECEIVED:** 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	6	0.5 P	µg/L
TOLUENE	2	0.5 P	µg/L
ETHYLBENZENE	36	0.5 P	µg/L
TOTAL XYLENE	298	0.5 P	µg/L
TOTAL BTEX	342		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	84		
4-Bromofluorobenzene	126		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/22/95			
Petroleum Hydrocarbons - Gasoline	1400	50 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	141		
4-Bromofluorobenzene	126		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/21/95			

(P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., - Project Manager

Certificate of Analysis No. H9-9503645-17

EZ Serve Inc.
2550 North Loop West, #600
Houston, TX 77292
ATTN: Brian Cobb

DATE: 03/30/95

PROJECT: EZ Serve #100877
SITE: West A Street/Hayward, CA
SAMPLED BY: Provided by SPL
SAMPLE ID: Trip Blank

PROJECT NO: 1564-04
MATRIX: WATER
DATE SAMPLED: 03/02/95
DATE RECEIVED: 03/16/95

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	0.5 P	µg/L
TOLUENE	ND	0.5 P	µg/L
ETHYLBENZENE	ND	0.5 P	µg/L
TOTAL XYLENE	ND	0.5 P	µg/L
TOTAL BTEX	ND		µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	80		
4-Bromofluorobenzene	74		
METHOD 5030/8020 ***			
Analyzed by: YN			
Date: 03/22/95			
Petroleum Hydrocarbons - Gasoline	ND	50 P	µg/L
Surrogate	**% Recovery**		
1,4-Difluorobenzene	103		
4-Bromofluorobenzene	54		
Modified 8015 - Gasoline			
Analyzed by: YN			
Date: 03/21/95			

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 17th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

SPL, Inc., - Project Manager

QUALITY CONTROL DOCUMENTATION

Matrix: Aqueous
Units: µg/L

Batch Id: HP_J950320163300

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
MTBE	ND	50	36	72.0	56 - 135
Benzene	ND	50	46	92.0	61 - 123
Toluene	ND	50	44	88.0	62 - 122
EthylBenzene	ND	50	41	82.0	56 - 119
O Xylene	ND	50	43	86.0	32 - 160
M & P Xylene	ND	100	89	89.0	32 - 160

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
MTBE	ND	62.5	56	89.6	71	114	24.0 *	20	39 - 150
Benzene	ND	50	47	94.0	48	96.0	2.11	33	39 - 150
Toluene	ND	150	120	80.0	130	86.7	8.04	35	56 - 134
EthylBenzene	ND	50	34	68.0	35	70.0	2.90	40	61 - 128
O Xylene	ND	100	48	48.0	48	48.0	0	29	40 - 130
M & P Xylene	ND	100	58	58.0	57	57.0	1.74	20	43 - 152

Analyst: DAO
Sequence Date: 03/20/95
SPL ID of sample spiked: 9503645-10A
Sample File ID: J___196.TX0
Method Blank File ID:
Blank Spike File ID: J___185.TX0
Matrix Spike File ID: J___192.TX0
Matrix Spike Duplicate File ID: J___193.TX0

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data
(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9503618-03A 9503565-03A 9503619-02A 9503619-01A
9503618-07A 9503618-06A 9503618-05A 9503618-04A
9503619-06A 9503566-02B 9503565-01A 9503607-04B
9503629-09A 9503629-08A 9503645-10A 9503618-02A

Idelis Williams, QC Officer

Matrix: Aqueous
Units: µg/L

Batch Id: HP_J950321093300

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	58	116	61 - 123
Toluene	ND	50	56	112	62 - 122
EthylBenzene	ND	50	51	102	56 - 119
O Xylene	ND	50	59	118	32 - 160
M & P Xylene	ND	100	120	120	32 - 160

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
Benzene	ND	20	21	105	21	105	0	25	39 - 150
Toluene	ND	20	19	95.0	19	95.0	0	26	56 - 134
EthylBenzene	ND	20	17	85.0	17	85.0	0	38	61 - 128
O Xylene	ND	20	16	80.0	16	80.0	0	20	40 - 130
M & P Xylene	ND	40	34	85.0	33	82.5	2.99	20	43 - 152

Analyst: YN
Sequence Date: 03/21/95
SPL ID of sample spiked: 9503804-01A
Sample File ID: J___242.TXO
Method Blank File ID:
Blank Spike File ID: J___223.TXO
Matrix Spike File ID: J___250.TXO
Matrix Spike Duplicate File ID: J___251.TXO

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data
(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9503804-01A 9503456-02A 9503645-17A 9503645-02A
9503645-11A 9503645-01A 9503645-03A 9503645-04A
9503645-05A 9503645-08A 9503645-09A 9503645-12A
9503645-16A 9503645-14A 9503645-13A 9503645-15A
9503645-06A 9503645-07A

Idelis Williams, QC Officer

Matrix: Aqueous
Units: µg/L

Batch Id: HP_J950322013500

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	47	94.0	61 - 123
Toluene	ND	50	46	92.0	62 - 122
EthylBenzene	ND	50	43	86.0	56 - 119
O Xylene	ND	50	46	92.0	32 - 160
M & P Xylene	ND	100	100	100	32 - 160

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
Benzene	ND	20	21	105	19	95.0	10.0	25	39 - 150
Toluene	ND	20	20	100	17	85.0	16.2	26	56 - 134
EthylBenzene	0.6	20	17	82.0	14	67.0	20.1	38	61 - 128
O Xylene	0.6	20	15	72.0	13	62.0	14.9	20	40 - 130
M & P Xylene	1.7	40	30	70.8	25	58.2	19.5	20	43 - 152

Analyst: YN
Sequence Date: 03/22/95
SPL ID of sample spiked: 9503710-08A
Sample File ID: J__266.TXO
Method Blank File ID:
Blank Spike File ID: J__254.TXO
Matrix Spike File ID: J__287.TXO
Matrix Spike Duplicate File ID: J__288.TXO

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data
(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9503619-05A 9503619-04A 9503619-03A 9503645-15A
9503754-04A 9503754-03A 9503798-01A 9503710-09A
9503710-05A 9503710-02A 9503710-04A 9503645-09A
9503625-03A 9503710-01A 9503710-03A 9503710-07A
9503710-06A 9503710-08A

Idelis Williams, QC Officer

Matrix: Aqueous
Units: mg/L

Batch Id: HP_J950320145710

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Petroleum Hydrocarbons	ND	1.00	1.01	101	56 - 139

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
Petroleum Hydrocarbons	ND	0.9	0.64	71.1	0.64	71.1	0	18	40 - 158

Analyst: DAO
Sequence Date: 03/20/95
SPL ID of sample spiked: 9503645-10A
Sample File ID: JJ__196.TX0
Method Blank File ID:
Blank Spike File ID: JJ__188.TX0
Matrix Spike File ID: JJ__192.TX0
Matrix Spike Duplicate File ID: JJ__193.TX0

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data
(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9503618-03A	9503565-03A	9503619-02A	9503619-01A
9503618-07A	9503618-06A	9503618-05A	9503618-04A
9503619-06A	9503618-01A	9503566-02B	9503629-03A
9503565-02A	9503565-01A	9503607-04B	9503629-09A
9503629-08A	9503645-10A	9503618-02A	

Idelis Williams, QC Officer

Matrix: Aqueous
Units: mg/L

Batch Id: HP_J950321082500

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Petroleum Hydrocarbons	ND	1.00	0.81	81.0	56 - 139

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
Petroleum Hydrocarbons	ND	0.9	0.40	44.4	0.78	86.7	64.5 *	18	40 - 158

Analyst: YN
Sequence Date: 03/21/95
SPL ID of sample spiked: 9503645-08A
Sample File ID: JJ__226.TXO
Method Blank File ID:
Blank Spike File ID: JJ__222.TXO
Matrix Spike File ID: JJ__252.TXO
Matrix Spike Duplicate File ID: JJ__253.TXO

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data
(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9503645-12A 9503645-16A 9503645-14A 9503645-13A
9503804-01A 9503456-02A 9503645-17A 9503645-02A
9503645-11A 9503645-01A 9503645-03A 9503645-04A
9503645-05A 9503645-08A 9503645-15A 9503645-06A
9503645-07A

Idelis Williams, QC Officer

Matrix: Aqueous
Units: mg/L

Batch Id: HP_J950322025500

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Petroleum Hydrocarbons	ND	1.00	0.83	83.0	56 - 139

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
Petroleum Hydrocarbons	ND	0.9	0.76	84.4	0.77	85.6	1.41	18	40 - 158

Analyst: YN
Sequence Date: 03/22/95
SPL ID of sample spiked: 9503619-04A
Sample File ID: JJ__262.TX0
Method Blank File ID:
Blank Spike File ID: JJ__257.TX0
Matrix Spike File ID: JJ__285.TX0
Matrix Spike Duplicate File ID: JJ__286.TX0

* = Values Outside QC Range
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data
(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID):

9503619-05A 9503619-04A 9503619-03A 9503754-04A
9503754-03A 9503798-01A 9503710-09A 9503710-05A
9503710-02A 9503710-04A 9503645-09A 9503625-03A
9503710-03A 9503710-07A 9503710-06A 9503710-08A
9503618-01A

Idelis Williams, QC Officer

CHAIN OF CUSTODY
AND
SAMPLE RECEIPT CHECKLIST

9508645 60 Page 1 of 2

Environmental Laboratory
8880 Interchange Drive
Houston, Texas 77054
713/660-0901

Analysis Request and Chain of Custody Record

Project No.	Client/Project Name	Project Location
1564-04	EZ SERVE, HAYWARD # 100877	WEST "A" STREET HAYWARD, CA

Field Sample No./ Identification	Date and Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, Etc.)	Preservative	ANALYSIS REQUESTED	LABORATORY REMARKS
100877 MW-8	3-14-95 0927	X		3x40ml VOA	LIQUID	HCL	TPH.G 5030/8015, BTEX 8020	
100877 MW-10	1002			↓	↓	↓	↓	
100877 MW-7	1049							
100877 MW-12	1140							
100877 MW-14	1310							
100877 MW-9	1406							
100877 MW-11	1450							
100877 MW-13	1532							
100877 MW-7D	1051						↓	
100877 MW-7F3	1053			↓	↓	↓	TPH.G & BTEX	

Sampler's (Signature)	Relinquished by: (Signature)	Date: 3-15-95 Time: 1645	Received by: (Signature)	Date: Time:	Intact
Affiliation: Brown & Caldwell	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact
	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact 3°C
SAMPLER REMARKS:			Received for Laboratory: (Signature)	Date: 3/16 Time: 1400	Laboratory No.
Seal #			Data Results to:		

9503645

Environmental Laboratory
8880 Interchange Drive
Houston, Texas 77054
713/660-0901

Analysis Request and Chain of Custody Record

Project No.	Client/Project Name	Project Location
1564-04	EZ-SERVE, HAYWARD # 100877	WEST "A" STREET, HAYWARD, CA.

Field Sample No./ Identification	Date and Time	Grab	Comp	Sample Container (Size/Mat'l)	Sample Type (Liquid, Sludge, Etc.)	Preservative	ANALYSIS REQUESTED	LABORATORY REMARKS
TRIP BLANK	X			2 x 40 ml VOA	LIQUID	HCL	TPH.G + BTEX	
100877 MW-1	3-15-95 1234			3 x 40 ml VOA			TPH.G 5030/8015, BTEX 8020	
100877 MW-2	1135							
100877 MW-3	0945							
100877 MW-4	1047							
100877 MW-5	1330							
100877 MW-6	1427			↓	↓	↓	↓	

Samplers: (Signature)	Relinquished by: (Signature)	Date: 3-15-95 Time: 1645	Received by: (Signature)	Date: Time:	Intact
M. Stevens	M. Stevens				
Affiliation: Brown & Caldwell	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact
	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Intact 3°C
SAMPLER REMARKS:			Received for Laboratory: (Signature)	Date: 3/16 Time: 1400	Laboratory No.
Seal #			Data Results to:		

SPL HOUSTON ENVIRONMENTAL LABORATORY

SAMPLE LOGIN CHECKLIST

DATE: 3/10 TIME: _____ CLIENT NO. _____
LOT NO. _____ CONTRACT NO. _____

CLIENT SAMPLE NOS. _____

SPL SAMPLE NOS.: 95036415

	YES	NO
1. Is a Chain-of-Custody form present?	✓	
2. Is the COC properly completed?	✓	
If no, describe what is incomplete:		
If no, has the client been contacted about it? (Attach subsequent documentation from client about the situation)		
3. Is airbill/packing list/bill of lading with shipment? If yes, ID#:	✓	
4. Is a USEPA Traffic Report present?		✓
5. Is a USEPA SAS Packing List present?		
6. Are custody seals present on the package?	✓	
If yes, were they intact upon receipt?	✓	
7. Are all samples tagged or labeled?	✓	
Do the sample tags/labels match the COC?		
If no, has the client been contacted about it? (Attach subsequent documentation from client about the situation)		
8. Do all shipping documents agree?	✓	
If no, describe what is in nonconformity:		

9. Condition/temperature of shipping container: 3°C INTACT
10. Condition/temperature of sample bottles: 3°C INTACT
11. Sample Disposal?: SPL disposal ✓ Return to client _____

NOTES (reference item number if applicable): _____

ATTEST: [signature] DATE: 3/10
DELIVERED FOR RESOLUTION: REC'D _____ DATE: _____
RESOLVED: _____ DATE: _____