



**ALISTO** ENGINEERING GROUP

September 10, 2001

SEP 13 2001

Ms. Eva Chu  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Room 250  
Alameda, California 94502-6577

10-210-14-002

Subject: Groundwater Monitoring and Sampling Report  
Xtra Oil Company Service Station (dba Shell)  
1701 Park Street  
Alameda, California

Dear Ms. Chu:

On Behalf of Xtra Oil Company, Alisto Engineering Group is pleased to submit this groundwater monitoring and sampling report for the Xtra Oil Company service station (dba Shell), 1701 Park Street, Alameda, California.

Please call if you have questions or comments.

Sincerely,

ALISTO ENGINEERING GROUP

Brady Nagle  
Project Manager

Enclosure

cc: Mr. Keith Simas, Xtra Oil Company (with enclosure)  
Ms. Ade Fagorala, California Regional Water Quality Control Board, San Francisco Bay Region (with enclosure)

## GROUNDWATER MONITORING AND SAMPLING REPORT

Xtra Oil Company Service Station (dba Shell)  
1701 Park Street  
Alameda, California

Project No. 10-210-14-002

Prepared for:

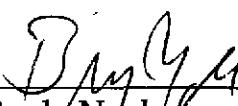
Xtra Oil Company  
2307 Pacific Avenue  
Alameda, California

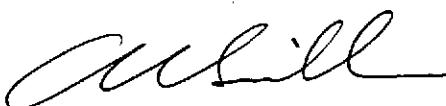
SEP 13 2001

Prepared by:

Alisto Engineering Group  
3732 Mt. Diablo Boulevard, Suite 270  
Lafayette, California

July 24, 2001

  
Brady Nagle  
Project Manager

  
Al Sevilla, P.E.  
Principal



## **GROUNDWATER MONITORING AND SAMPLING REPORT**

**Xtra Oil Company Service Station (dba Shell)**  
1701 Park Street  
Alameda, California

**Project No. 10-210-14-002**

**July 24, 2001**

### **INTRODUCTION**

This report presents the results and findings of the June 27, 2001 groundwater monitoring and sampling conducted by Alisto Engineering Group at the Xtra Oil Company service station (dba Shell), 1701 Park Street, Alameda, California. A site vicinity map is shown on Figure 1.

### **FIELD PROCEDURES**

Field activities were performed in accordance with the procedures and guidelines of the Alameda County Health Care Services Agency (ACHCSA) and the California Regional Water Quality Control Board, San Francisco Bay Region.

Before purging and sampling, the groundwater level in each well was measured from a permanent mark on top of the casing to the nearest 0.01 foot using an electronic sounder. The depth to groundwater and top of casing elevation data were used to calculate the groundwater elevation in each well in reference to mean sea level. The survey data and groundwater elevation measurements collected to date are presented in Table 1.

Before sample collection, each well was purged of 3 casing volumes while recording field readings of pH, temperature and electrical conductivity. Groundwater samples were collected for laboratory analysis by lowering a bottom-fill, disposable bailer to just below the water level in each well. The samples were transferred from the bailer into laboratory-supplied containers. The water sampling field survey forms are presented in Appendix A.

### **SAMPLING AND ANALYTICAL RESULTS**

The results of monitoring and laboratory analysis of the groundwater samples for this and previous events are summarized in Table 1. The potentiometric groundwater elevations as interpreted from the results of this monitoring event are shown on Figure 2. The results of laboratory analysis are shown on Figure 3. The laboratory report and chain of custody record are presented in Appendix B.



## FINDINGS

The findings of the June 27, 2001 groundwater monitoring and sampling event are as follows:

- A hydrocarbon sheen was observed on the groundwater sample collected from Monitoring Wells MW-1 and MW-2. Free product or sheen was not observed in Monitoring Wells MW-3 and MW-4.
- Groundwater elevation data indicates a gradient of approximately 0.002 foot per foot in southeasterly to southwesterly directions across the site.
- Analysis of the samples detected dissolved-phase petroleum hydrocarbons in Monitoring Wells MW-1, MW-2, and MW-4 at concentrations of up to 80000 micrograms per liter (ug/l) total petroleum hydrocarbons as gasoline in Well MW-1 and up to 5400 ug/l benzene in Well MW-2.
- Total petroleum hydrocarbons as diesel was detected in samples from Wells MW-1, MW-2, and MW-4 at concentrations ranging from 2100 to 10000 ug/l.
- Methyl tert-butyl ether (MTBE) was detected in the sample collected from Wells MW-2 and MW-4 at a concentration of 6800 ug/l and 2100 ug/l, respectively.
- Dissolved-phase petroleum hydrocarbons, including MTBE, were not detected in the sample collected from Well MW-3.







TABLE 1 - SUMMARY OF GROUNDWATER SAMPLING  
XTRA OIL COMPANY SERVICE STATION  
1701 PARK STREET, ALAMEDA, CALIFORNIA

ALISTO PROJECT NO. 10-210

WELL ID	DATE OF MONITORING/ SAMPLING	CASING ELEVATION (Feet)	DEPTH TO WATER (Feet) (a)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (Feet) (b)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	OTHER SVOCs (ug/l)	NAPHTHALENE (ug/l)	BENZO-PYRENE (ug/l)	DO (ppm)	LAB
MW-4	10/04/00	19.69	7.11	—	12.58	47000	3200	870	2000	2600	9800	ND<1500	—	—	—	1.7	MCC
MW-4	12/21/00	19.69	6.86	—	12.83	13000	1800	370	410	460	2300	1500	—	88	ND<10	0.6	MCC
MW-4	04/13/01	19.69	6.02	—	13.67	29000	2800	710	640	620	2900	2300	—	—	—	1.0	MCC
MW-4	06/27/01	19.69	6.72	—	12.97	23000	2100	510	1100	1100	4300	1400	—	—	—	1.0	MCC
QC-2 (e)	11/04/94	—	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	MCC
QC-2 (e)	02/24/95	—	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	MCC
QC-2 (e)	05/25/95	—	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	MCC
QC-2 (e)	08/30/95	—	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	MCC
QC-2 (e)	11/16/95	—	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	MCC
QC-2 (e)	03/20/96	—	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	MCC
QC-2 (e)	08/13/96	—	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	—	—	—	MCC

ABBREVIATIONS:

TPH-G Total petroleum hydrocarbons as gasoline using EPA Methods 5030/8015  
 TPH-D Total petroleum hydrocarbons as diesel using EPA Methods 3510/8015  
 B Benzene using EPA Methods 5030/8020  
 T Toluene using EPA Methods 5030/8020  
 E Ethylbenzene using EPA Methods 5030/8020  
 X Total xylenes using EPA Methods 5030/8020  
 MTBE Methyl tert butyl ether using EPA Methods 5030/8020  
 SVOCs Semivolatile organic compounds using EPA Method 8270  
 DO Dissolved oxygen  
 ug/l Micrograms per liter  
 ppm Parts per million  
 — Not analyzed/applicable/measurable  
 ND Not detected above reported detection limit  
 MCC McCampbell Analytical, Inc.  
 CHR Chromalab, Inc.

NOTES:

- (a) Top of casing surveyed relative to mean sea level.
- (b) Groundwater elevations expressed in feet above mean sea level, and adjusted assuming a specific gravity of 0.75 for free product.
- (c) Blind duplicate.
- (d) Other SVOCs detected at concentrations of 200 ug/l 2-methylnaphthalene and 14 ug/l phenanthrene.
- (e) Travel blank.



SOURCE:  
USGS MAP, OAKLAND WEST AND EAST QUADRANGLE,  
7.5 MINUTE SERIES. 1959.  
PHOTOREVISED 1980.



0 1000' 2000'



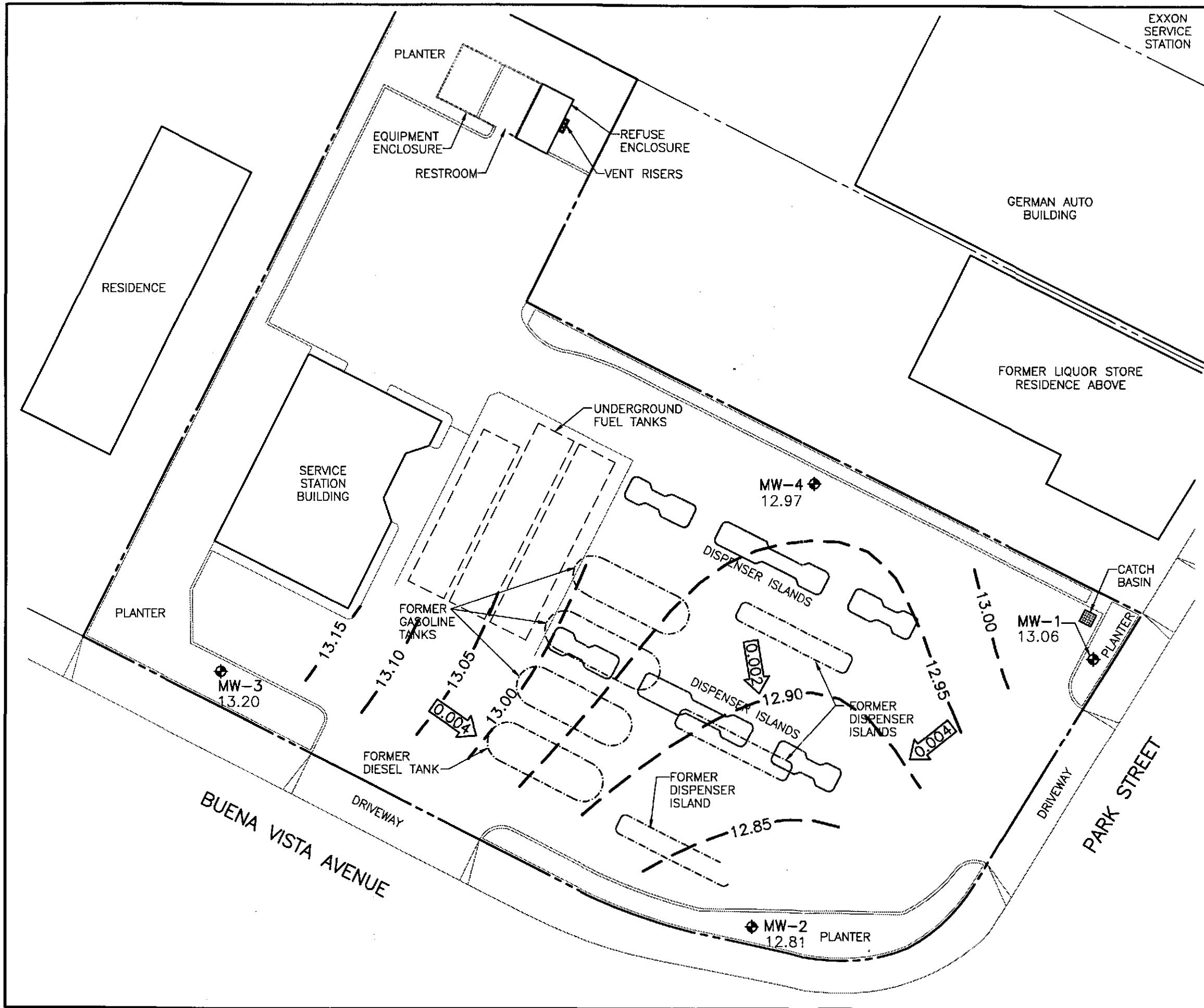
## FIGURE 1 SITE VICINITY MAP

XTRA OIL COMPANY SERVICE STATION  
1701 PARK STREET  
ALAMEDA, CALIFORNIA

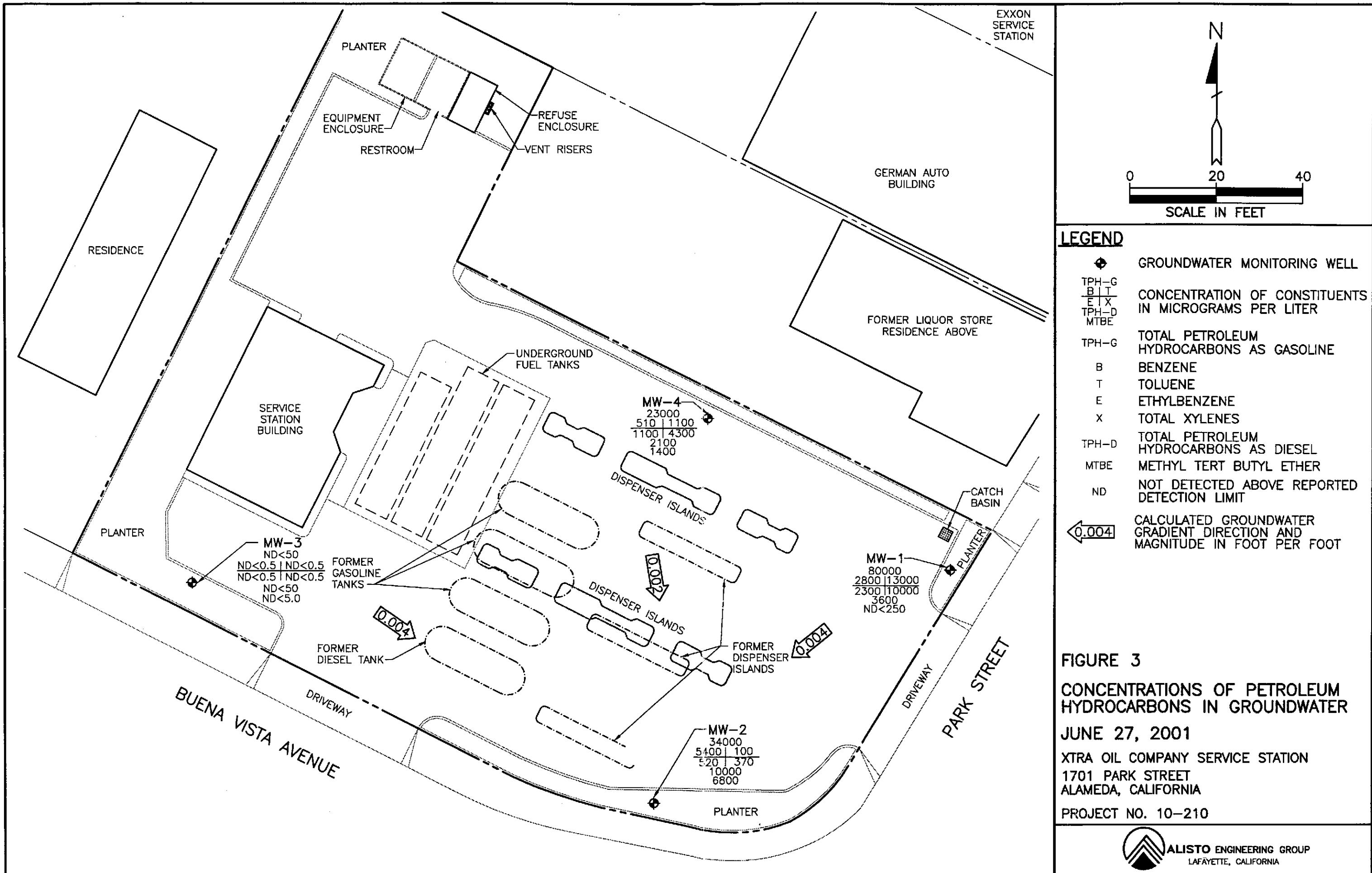
PROJECT NO. 10-210



ALISTO ENGINEERING GROUP  
WALNUT CREEK, CALIFORNIA



**FIGURE 2**  
**POTENTIOMETRIC GROUNDWATER ELEVATION CONTOUR MAP**  
**JUNE 27, 2001**  
**XTRA OIL COMPANY SERVICE STATION**  
**1701 PARK STREET**  
**ALAMEDA, CALIFORNIA**  
**PROJECT NO. 10-210**



**APPENDIX A**  
**WATER SAMPLING FIELD SURVEY FORMS**

**ALISTO**

ENGINEERING GROUP

3732 MT. DIABLO BOULEVARD, SUITE 270  
LAFAYETTE CA 94598 (925) 962-6970 FAX 962-6971

**Field Report / Sampling Data Sheet**

Project No.	10-210-14-002	Date:	6-27-01
Address	1701 Park Street	Day:	M T W <input checked="" type="checkbox"/> TH F
Contract No.	n/a	City:	Alameda
Station No.	XTRA	Sampler:	DJ/BM

**DEPTH TO GROUNDWATER SUMMARY**

WELL ID	SAMPLE ID	WELL DIAM	TOTAL DEPTH	DEPTH TO WATER	PRODUCT THICKNESS	TIME MONITORED	COMMENTS:
3 MW-1	MW-1 QC-1	2"	20.00	6.54	Shallow	1/54	near air hose/water (DVR, GATE & AFBP)
4 MW-2	MW-2	2"	20.00	7.50	Steel	1/57	planters in lesser area
1 MW-3	MW-3	2"	20.00	7.37	None	1/46	near long building
2 MW-4	MW-4	2"	20.00	6.72	None	1/50	near fence.

**FIELD INSTRUMENT CALIBRATION DATA**

pH METER  4.00  7.00  10.00  TEMPERATURE COMPENSATED Y N TIME 1/50 WEATHER Overcast  
 D.O. METER  ZERO d.O. SOLUTION  NO BAROMETRIC PRESSURE  TEMP   
 CONDUCTIVITY METER  10.000  0.01 TURBIDITY METER  None 5.0 NTU  OTHER   
 LEAK DETECTOR:  ALARM MODE  NON ALARM MODE C

Well ID	Depth to Wat	Diam	Cap/Loc	Product	Di	Iridescenc	Gal.	Time	Temp	pH	E.C.	D.O.	<input type="checkbox"/> EPA 601
MW-3	7.37	2"	dk/dk	None	Y	N	2	1/200	20.4	6.49	318 µS/cm	1.59	<input checked="" type="checkbox"/> TPH-G/BTEX <input checked="" type="checkbox"/>
Total Depth - Water Level =	x Well Vol. Factor =	x#vol. to Purge =	PurgeVol.				4	1/210	20.3	6.37	301 µS/cm	1.80	<input checked="" type="checkbox"/> TPH Diesel <input checked="" type="checkbox"/>
19.4 - 7.37 = 12	50	6 gals.					6	1/213	20.0	6.38	303 µS/cm	1.91	<input type="checkbox"/> TOG 5520
Purge Method: O Surface Pump O Disp.Tube O Winch <input checked="" type="checkbox"/> Disp. Bailer(s) L OSys Port												TIME/SAMPLE ID	
Comments:												MW-3 / 1213	

# ALISTO

ENGINEERING GROUP

3732 MT. DIABLO BOULEVARD, SUITE 270  
LAFAYETTE CA 94598 (925) 962-6970 FAX 962-6971

## Field Report / Sampling Data Sheet

Project No. 10-210-14-002  
Address 1701 Park Street  
Contract No.  
Station No.

Date: 6-27-01  
Day: M T W TH F  
City: Alameda

Well ID	Depth to Wat	Diam	Cap/Loc	Product	Dr	Iridescenc	Gal.	Time	Temp *F	pH	E.C.	D.O.	XTRA	Sampler:
MW-4	6.72	2"	dr/dk	None	Y	(N)	2	1227	19.5	6.64	.418	2.11	<input type="checkbox"/> EPA 601	
Total Depth - Water Level=	x Well Vol. Factor=	x#vol. to Purge=	PurgeVol.		3	1231	19.5	6.55	.416	1.05			<input checked="" type="checkbox"/> TPH-G/BTEX <del>M168</del>	
20 - 6 = 14	50	7 gal			4	1240	19.4	6.56	.412	1.03			<input checked="" type="checkbox"/> TPH Diesel	

Purge Method: OSurface Pump ODisp.Tube OWinch ODisp. Bailer(s) OSys Port

Comments:

Well ID	Depth to Wat	Diam	Cap/Loc	Product	Dr	Iridescenc	Gal.	Time	Temp *F	pH	E.C.	D.O.	XTRA	Sampler:
MW-1	6.54	2"	dr/No	S/light	Y	N	1	1249	22.2	6.55	.547	1.11	<input type="checkbox"/> EPA 601	
Total Depth - Water Level=	x Well Vol. Factor=	x#vol. to Purge=	PurgeVol.		3		22.1	6.58	.542	1.91			<input checked="" type="checkbox"/> TPH-G/BTEX <del>M151</del>	
20 - 7 = 13	7 gal				5	1300	22.0	6.59	.555	1.07			<input checked="" type="checkbox"/> TPH Diesel	

Purge Method: OSurface Pump ODisp.Tube OWinch ODisp. Bailer(s) OSys Port

Comments: DUPLICATE QL-1 60R TD46BTEXMTB6Q 1305

Well ID	Depth to Wat	Diam	Cap/Loc	Product	Dr	Iridescenc	Gal.	Time	Temp *F	pH	E.C.	D.O.	XTRA	Sampler:
MW-2	7.50	2"	dr/dk	Shiny	Y	N	1	1304	21.6	6.64	.960	1.44	<input type="checkbox"/> EPA 601	
Total Depth - Water Level=	x Well Vol. Factor=	x#vol. to Purge=	PurgeVol.		3		21.5	6.61	.874	0.81			<input checked="" type="checkbox"/> TPH-G/BTEX <del>M151</del>	
20 - 7.5 = 12.5	6 gal				5	1317	21.3	6.63	.877	0.69			<input checked="" type="checkbox"/> TPH Diesel	

Purge Method: OSurface Pump ODisp.Tube OWinch ODisp. Bailer(s) OSys Port

Comments: PV11 PPRS

TIME/SAMPLE ID  
MW-4 / 1240

TIME/SAMPLE ID  
MW-1 / 1300

TIME/SAMPLE ID  
MW-1 / 1300

TIME/SAMPLE ID  
MW-2 / 1317

**LABORATORY REPORT AND CHAIN OF CUSTODY RECORD**

**APPENDIX B**



McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560  
Telephone : 925-798-1620 Fax : 925-798-1622  
<http://www.mccampbell.com> E-mail: main@mccampbell.com

Alisto Engineering Group  3732 Mt. Diablo Blvd. Ste 270  Lafayette, CA 94549	Client Project ID: #10-210-14-002; Groundwater Sampling	Date Sampled: 06/27/01
		Date Received: 07/09/01
	Client Contact: Brady Nagle	Date Extracted: 07/09/01
	Client P.O:	Date Analyzed: 07/09/01

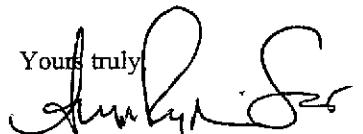
07/16/2001

Dear Brady:

Enclosed are:

- 1). the results of **5** samples from your **#10-210-14-002; Groundwater Sampling** project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,  
  
Edward Hamilton, Lab Director



McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560  
 Telephone : 925-798-1620 Fax : 925-798-1622  
<http://www.mccampbell.com> E-mail: main@mccampbell.com

Alisto Engineering Group 3732 Mt. Diablo Blvd. Ste 270 Lafayette, CA 94549	Client Project ID: #10-210-14-002; Groundwater Sampling		Date Sampled: 06/27/01
			Date Received: 07/09/01
	Client Contact: Brady Nagle		Date Extracted: 07/09-07/10/01
	Client P.O:		Date Analyzed: 07/09-07/10/01

**Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline\*, with Methyl tert-Butyl Ether\* & BTEX\***

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g) <sup>+</sup>	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	% Recovery Surrogate
72023	MW-1	W	80,000,a	ND<250	2800	13,000	2300	10,000	99
72024	MW-2	W	34,000,a,h	6800	5400	100	520	370	106
72025	MW-3	W	ND	ND	ND	ND	ND	ND	105
72026	MW-4	W	23,000,a	1400	510	1100	1100	4300	93
72027	QC-1	W	76,000,a	ND<250	3100	13,000	2300	10,000	102
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W	50 ug/L	5.0	0.5	0.5	0.5	0.5		
	S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005		

\* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP and SPLP extracts in ug/L

\* cluttered chromatogram; sample peak coelutes with surrogate peak

\*The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment; j) no recognizable pattern.

DHS Certification No. 1644

Edward Hamilton, Lab Director



McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560  
 Telephone : 925-798-1620 Fax : 925-798-1622  
<http://www.mccampbell.com> E-mail: main@mccampbell.com

Alisto Engineering Group  3732 Mt. Diablo Blvd. Ste 270  Lafayette, CA 94549	Client Project ID: #10-210-14-002; Groundwater Sampling	Date Sampled: 06/27/01
		Date Received: 07/09/01
	Client Contact: Brady Nagle	Date Extracted: 07/09/01
	Client P.O:	Date Analyzed: 07/09/01

#### Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel \*

EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(d) <sup>†</sup>	% Recovery Surrogate
72023	MW-1	W	3600,d	97
72024	MW-2	W	10,000,a,d,h	100
72025	MW-3	W	ND	99
72026	MW-4	W	2100,d	99
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W	50 ug/L		
	S	1.0 mg/kg		

\* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP / STLC / SPLP extracts in ug/L

<sup>†</sup> cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel (?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment.

DHS Certification No. 1644

Edward Hamilton, Lab Director



McCAMPBELL ANALYTICAL INC.

110 2nd Ave. South. #D7, Pacheco, CA 94553-5560

Telephone : 925-798-1620 Fax : 925-798-1622

<http://www.mccampbell.com> E-mail: main@mccampbell.com

## QC REPORT

### EPA 8015m + 8020

Date: 07/08/01-07/09/01

Matrix: Water

Compound	Concentration: ug/L				%Recovery		RPD
	Sample	MS	MSD	Amount Spiked	MS	MSD	
SampleID: 70201	Extraction: EPA 5030	Instrument: GC-7					

Surrogate1	ND	89.0	104.0	100.00	89	104	15.5
Xylenes	ND	33.0	35.5	30.00	110	118	7.3
Ethylbenzene	ND	10.1	11.3	10.00	101	113	11.2
Toluene	ND	9.4	11.0	10.00	94	110	15.7
Benzene	ND	8.1	9.7	10.00	81	97	18.0
MTBE	ND	9.5	10.6	10.00	95	106	10.9
TPH (gas)	ND	114.4	109.1	100.00	114	109	4.8

SampleID: 70201 Extraction: EPA 3510 Instrument: GC-11 B

Surrogate1	ND	105.0	101.0	100.00	105	101	3.9
TPH (diesel)	ND	8075.0	7725.0	7500.00	108	103	4.4

$$\% \text{ Recovery} = \frac{(MS - Sample)}{AmountSpiked} \cdot 100$$

$$RPD = \frac{(MS - MSD)}{(MS + MSD)} \cdot 2 \cdot 100$$

RPD means Relative Percent Deviation

26702 ZAEG SA

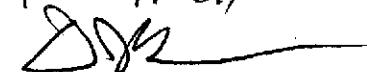
**ALISTO ENGINEERING GROUP  
CHAIN OF CUSTODY**

**Project Information:**

Project No: 10-210-14-002  
 Project Title: Groundwater Sampling  
 Location: Xtra Oil Station  
 1701 Park Avenue, Alameda

Sampler's Name:  
 (print) DAN BIRCH

Sampler's Signature:

**Report To:**

Consultant: Alisto Engineering Group  
 Address: 3732 Mt. Diablo Boulevard, Suite 270  
 Lafayette, CA 94549  
 Contact: Brady Nagle  
 Phone: (925) 962-6970  
 Fax: (925) 962-6971

**Samples Submitted To:**

Laboratory: McCampbell Analytical  
 Address: 110 Second Avenue, Suite D7  
 Pacheco, California  
 Contact: Ed Hamilton  
 Phone: 925.798.1620  
 Fax: 925.798.1622

**Bill To:**

Consultant: Xtra Oil Company  
 Address: 2307 Pacific Avenue  
 Oakland, CA 94501

**Date Results Required:****Date Report Required:****TURN AROUND TIME**

RUSH	24 Hour	48 Hour	5 Day	Standard (10-14 days)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**ANALYSIS**

TPH-Gasoline  
(EPA 8015)  
  
BTEX/MTBE (EPA  
8020)  
  
TPH-Diesel (EPA  
8015)

72023

72024

72025

72026

72027

**COMMENTS**

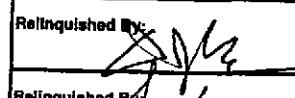
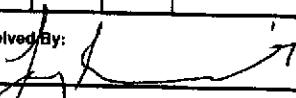
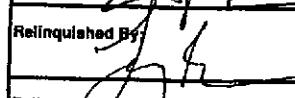
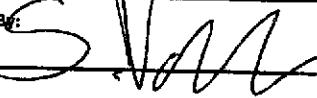
Container / VOA  
 Preservative/ HCl

**Sample ID. Date # Containers Matrix**

+ MW-1	6/27/01	1300	4	Water	X	X	X
+ MW-2	1317		4	Water	X	X	X
+ MW-3	1213		4	Water	X	X	X
+ MW-4	1246		4	Water	X	X	X
+ QC-1	1305		3	Water	X	X	

GOOD CONDITION  
 HEAD SPACE ABSENT  
 APPROPRIATE  
 CONTAINERS

VOA /GCA/NS/OTHER

Relinquished By: 	Date: 6/27/01	Time: 1400	Received By: 	Date: 6/27/01	Time: 1400	SPECIAL INSTRUCTIONS: Bill Xtra Oil directly for the analytical costs.
Relinquished By: 	Date: 7/9/01	Time: 1520	Received By: Chris Erickson	Date: 7/9/01	Time: 1520	
Relinquished By: Chris Erickson	Date: 7/9	Time: 1403	Received By: 	Date: 7/9	Time:	