GROUNDWATER MONITORING AND PRODUCT RECOVERY PROGRESS REPORT

ARAMARK UNIFORM SERVICES, INC. 330 CHESTNUT STREET OAKLAND, CALIFORNIA

PREPARED FOR

ARAMARK UNIFORM SERVICES, INC. SCHAUMBURG, ILLINOIS

PREPARED BY

RMT, INC. MARINA DEL REY, CA

DECEMBER 1995

95 DEC 26 MM 9; 10

Kevin Bate Project Engineer

James W. Van Nortwick, Jr., Ph.D.,

Prøject Manager

RMT, INC. — LOS ANGELES

4640 ADMIRALTY WAY SUITE 301
MARINA DLL REY, CA 90292-6621

310/578-1241 310/821-3280 FAX

Ms. Jennifer Eberle

Alameda County - Environmental Health Department
Environmental Protection Division
1131 Harbor Bay Parkway, #250

Alameda, CA 94502-6577

RE: Quarterly Groundwater Monitoring Progress Report ARAMARK Uniform Services, Inc. 330 Chestnut Street, Oakland, California

Dear Ms. Eberle:

This letter transmits the results of the groundwater monitoring activities conducted in November 1995, at the referenced facility. In response to your letter dated November 6, 1995, the product recovery well (RAO-3) will be sampled during the first quarter of 1996. In the interim and with your approval, we have been adding approximately 15-gallons of a dilute solution (5%) of hydrogen peroxide (H_2O_2) to the product recovery well each month to remove residual product that may be present in the product recovery well screen and surrounding sand pack.

If you have any questions regarding this report, please feel free to contact me at (310) 578-1241, or Bob Robbins at (608) 592-3222.

Şincerely,

dames W. Van Nortwick, Jr.,∖Ph.D., P.E

Senior Project Manager

encl: Quarterly Groundwater Monitoring Report

cc: Samuel J. Niemann, The Wetlands Company

95 DEC 26 MM 9: 19



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Section 1 INTRODUCTION

1.1 Former Diesel Fuel UST Area

ARAMARK Uniform Services, Inc., (ARAMARK) owns and operates an industrial laundry facility located at 330 Chestnut Street in Oakland, California. A 2,000-gallon underground diesel fuel storage tank was formerly maintained at this facility to supply fuel for the operation of a boiler. The diesel fuel storage tank was removed from the facility in December 1988 and a tank closure documentation report was submitted to the Alameda County Environmental Health Department (ACEHD). Based on the information presented in the tank documentation report, the ADEHD requested that ARAMARK conduct post-closure sampling activities to determine whether the soil and groundwater surrounding the underground storage tank had been impacted by petroleum hydrocarbons.

Remedial investigation activities were conducted by RMT from March 1989, through November 1992, and included the advancement of soil borings and four groundwater monitoring wells (RAO-1 through RAO-4) in the vicinity of the former excavation area. The results of chemical analyses performed on groundwater samples collected from monitoring wells RAO-1 and RAO-2 identified the presence of total petroleum hydrocarbons (TPH) and benzene, toluene, and xylenes (BTEX) and free-product was consistently observed in the groundwater monitoring well located within the former underground storage tank excavation (RAO-3). Because the results of the sampling activities indicated that the extent of petroleum hydrocarbon contamination was limited to the former tank excavation, a product recovery canister was installed in December 1992. To date, the product recovery system has recovered approximately 6,202-mL of free-product, however, the quantity of product recovered each sampling interval has significantly decreased. In addition, with the exception of the chemical analyses performed on groundwater samples collected during February 1995, the presence of TPH or BTEX has not been identified in any groundwater sample collected since May 1993.

1.2 Former Diesel Fuel Dispenser and Mop Oil UST Area

Two single walled, steel, underground petroleum hydrocarbon storage tanks were maintained at this facility to supply fuel for the delivery vehicles. In addition, an underground mop oil storage tank was also maintained at the facility. RMT, Inc. (RMT), was retained by ARAMARK to document the removal and disposal of the underground storage tanks and perform soil sampling as required by the ADEHD. Tank removal activities were conducted during the period of September 1993 through January 1994. The results of the chemical analyses performed on the soil samples collected from the floor of the former

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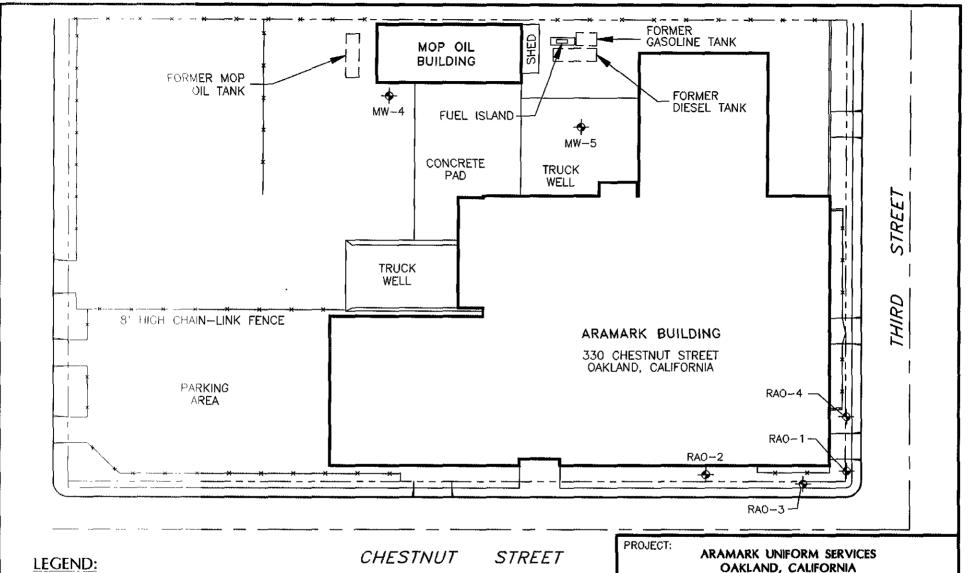
diesel fuel dispenser vault excavations, the former mop oil tank excavation, and in the vicinity of the eastern section of the loading dock identified the presence of petroleum hydrocarbons.

In response to the request from the ADEHD, ARAMARK engaged the services of RMT, Inc., to conduct soil and groundwater sampling activities in the vicinity of the former diesel fuel dispenser vaults and mop oil tank. Field activities were conducted on May 5, 1995 and included the advancement of two soil borings and the installation of two groundwater monitoring wells; MW-4 located in the vicinity of the former underground mop oil storage tank and MW-5 located in the vicinity of the former diesel fuel dispenser vaults (See Figure 1). The results of the chemical analyses performed on soil samples collected from soil borings located in the vicinity of the former mop oil and diesel fuel underground storage tanks did not identify the presence of petroleum hydrocarbons. In addition, although the results of the chemical analyses performed on groundwater samples collected from the newly installed monitoring wells identified the presence of total petroleum hydrocarbons, TPH-MS and TPH-D concentrations are generally less than 1-mg/L. A site plan showing the location of the former diesel fuel tanks and the mop oil tank is presented in Figure 1.

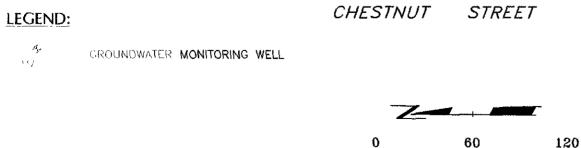
1.3 Purpose and Scope

The purpose of this report is to summarize the results of the groundwater monitoring activities conducted on November 14, 1995, at the ARAMARK facility. The scope of work conducted during the groundwater investigation included the following:

- The purging and sampling of four groundwater monitoring wells, and
- The chemical analyses of groundwater samples for the presence of BTEX and TPH-D using EPA SW-846 Method 8020 and Method 8015M.
- The addition of approximately 15-gallons of a dilute solution (5%) of hydrogen peroxide (H₂O₂) to product recovery well RAO-3.



APPROXIMATE SCALE IN FEET





Section 2 GROUNDWATER MONITORING ACTIVITIES

Groundwater sampling activities were conducted on November 14, 1995, and included obtaining static water level measurements and groundwater samples from monitoring wells RAO-1, RAO-2, RAO-4, MW-4, and MW-5. Groundwater samples were not collected from monitoring well RAO-3 which is currently being utilized for product recovery.

2.1 Static Water Level Measurements

Prior to collecting groundwater samples, the depth to groundwater was measured in each monitoring well using an electronic water level indicator. Three rounds of groundwater heights were taken to assess any variability in measurement.

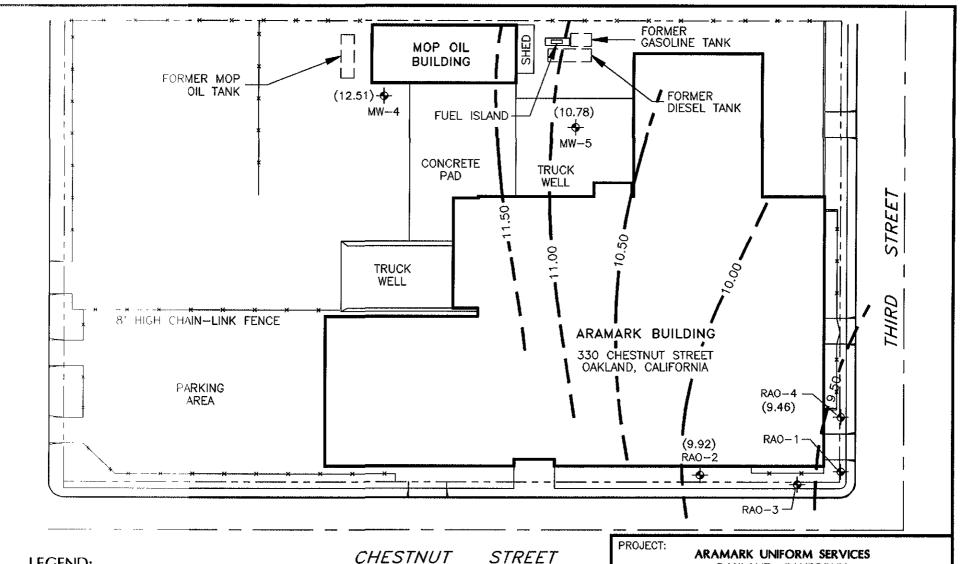
2.2 Groundwater Sample Collection

Groundwater samples were collected from monitoring wells RAO-2, RAO-4, MW-4, and MW-5. Prior to sampling, each monitoring well was purged using a bailer. A minimum of three well casing volumes (casing and sand pack volume) were extracted from each well before collecting groundwater samples. The temperature, pH, and conductivity of the extracted groundwater was measured and recorded at least once per well casing volume. The well casing volume was determined by measuring and recording the static water level and calculating the well volume. The purging bailer was decontaminated between each sampling event by rinsing with tap water to remove particulates, washing with a tri-sodium phosphate solution, and rinsing with deionized water.

After each monitoring well had recharged to within 80 percent of its pre-purge volume (approximately 15-min) groundwater samples were collected utilizing a disposable Teflon bailer equipped with a teflon stopcock, and dispensed directly into 40-mL borosilicate vials with teflon septa and screw caps. All samples were preserved using hydrochloric acid and stored on ice pending transport to a commercial independent California-certified laboratory according to USEPA protocol, including chain-of-custody procedures. Groundwater sample collection data are presented in Appendix A.

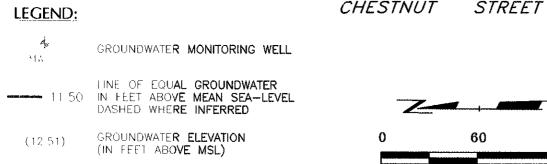
2.3 Groundwater Flow

Static water level measurements and groundwater elevations obtained on November 14, 1995, are summarized in Table 1 and the water table map generated from the water level data is presented in Figure 2. The groundwater flow direction is southeast with a gradient of approximately 0.01 to 0.02-ft/ft.



APPROXIMATE SCALE IN FEET

120



OAKLAND, CALIFORNIA SHEET TITLE: WATER TABLE MAP - NOVEMBER 14, 1995 DRAWN BY: CRB SCALE: PROJ. NO. 12013.11 CHECKED BY: 1'' = 60' - 0''FILE NO. 1102 APPROVED BY: DATE PRINTED: FIGURE 2 DATE: MAY 1995 RMT Inc. - Los Angeles Phone: 310/578-1241 4640 Admiralty Way Suite 301

Marina Del Rey, CA 90292

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Table 1
Static Water Level Measurement

Monitoring Well Location	TOC Elevation (ft above MSL)	The second of th	
RAO-1		Monitoring well v	vas dry
RAO-2	19.57	9.65	9.92
RAO-4	19.30	9.84	9.46
MW-4	22.69	10.18	12.51
MW-5	21.09	10.31	10.78

2.4 <u>Chemical Analyses of Groundwater</u>

Groundwater samples collected from monitoring wells RAO-2, RAO-3, MW-4, and MW-5 were analyzed for the presence of BTEX and TPH-D using EPA SW-846 Method 8020 and Method 8015M, respectively. The results of the laboratory analyses identified the presence of petroleum hydrocarbons within the typical diesel fuel range collected from groundwater monitoring wells RAO-2, RAO-4, MW-4, and MW-5. However, it should be noted that the presence of TPH-D has never been identified in groundwater samples collected from monitoring wells RAO-2 and RAO-4. In addition, the chromatagraph generated for each of the groundwater samples did not resemble the diesel hydrocarbon standard. Although the source of the petroleum hydrocarbons is not known at this time (most likely either sampling equipment, sample vials, or laboratory contamination), as a precaution, additional QA/QC samples and duplicate samples will be collected during the February 1996 sampling event. The results of the laboratory analyses are summarized in Table 2 (former diesel fuel UST Area) and Table 3 (former diesel fuel dispenser and mop oil UST area) and a copy of the laboratory report is included in Appendix B. All laboratory analyses were conducted by Curtis & Tompkins, Ltd., of Berkeley, California.

2.5 Disposal of Purged Groundwater

Groundwater extracted during monitoring well purging activities was contained in 55-gal DOT-approved drums, labeled with the date, generator's name, site location, source, and stored on-site pending off-site disposal. A copy of the waste disposal manifest for the second quarter sampling event (May 1995) is included in Appendix C.

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Table 2

Chemical Analyses of Groundwater (Former Diesel Fuel UST Area)

Sample	Sampling	Parameter (ug/L)					
Location	Date	Benzane	Toluene	Ethyltionzeno	Xylones	TPH-D	
RAO-1	08-02-95	<0.5	<0.5	<0.5	<0.5	<50	
	05-05-95	<0.5	<0.5	<0.5	<0.5	<50	
	02-03-95	<0.5	<0.5	<0.5	<0.5	560	
	11-18-94	<1.0	<1.0	<1.0	<1.0	<50	
	08-12-94	<1.0	<1.0	<1.0	<1.0	<50	
	04-28-94	<1.0	<1.0	<1.0	<1.0	<50	
	01-29-94	<1.0	<1.0	<1.0	<1.0	<50	
	11-11-93	<0.5	<0.5	<0.5	<0.5	<50	
	08-02-93	<0.3	<0.3	<0.3	<0.5	<10	
	05-11-93	0.4	0.5	<0.3	1.0	<10	
RAO-2	11-14-95	<0.5	<0.5	<0.5	<0.5	870 ⁸	
	08-02-95	<0.5	<0.5	<0.5	<0.5	<50	
	05-05-95	<0.5	<0.5	<0.5	<0.5	<50	
	02-03-95	<0.5	<0.5	<0.5	<0.5	<50	
	11-18-94	<1.0	<1.0	<1.0	<1.0	<50	
	08-12-94	<1.0	<1.0	<1.0	<1.0	<50	
	04-28-94	<1.0	<1.0	<1.0	<1.0	<50	
	01-29-94	<1.0	<1.0	<1.0	<1.0	<50	
	11-11-93	<0.5	<0.5	<0.5	<0.5	<50	
	08-02-93	<0.3	<0.3	<0.3	<0.5	<10	
	05-11-93	0.4	1.0	<0.3	1.0	56	
RAO-4	11/14/95	₹0.5	<0.5	<0.5	<0.5	800 ²⁵	
	08-02-95	<0.5	<0.5	<0.5	<0.5	<50	
	05-05-95	<0.5	<0.5	<0.5	<0.5	<50	
	02-03-95	<0.5	<0.5	<0.5	<0.5	<50	
	11-18-94	<1.0	<1.0	<1.0	<1.0	<50	
	08-12-94	<1.0	<1.0	<1.0	<1.0	<50	
	04-28-94	<1.0	<1.0	<1.0	<1.0	<50	
	01-29-94	<10	<10	<10	<10	< 50	
	11-11-93	<05	<0.5	<0.5	<0.5	<50	
	08-02-93	<03	<03	< 0.3	<05	< 10	
	05-11-93	<03	<03	<03	<05	< 10	

a Laboratory report indicates that the results of the chemical analyses do not resemble the diesel hydrocarbon standard. Chromatagraphs are included in the laboratory reports.

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Table 3

Chemical Analyses of Groundwater (Former Dispenser and Mop Oil UST Area)

Sample	Sampling	Parameter (ug/L)					
Location	Date	Benzene	Toluene	Ethylbenzene	Xylenee	трн-р	
MW-4	11-14-95	<0.5	<0.5	<0.5	≮0.5	1,100	
	08-02-95	-			_	180	
	05-05-95		_	-		500	
MW-5	11-14-95	<0.5	<0.5	<0.5	<0.5	2,100*	
	08-02-95	<0.5	<0.5	<0.5	<0.5	380	
	05-05-95	<0.5	<0.5	<0.5	<0.5	1,100	

a Laboratory report indicates that the results of the chemical analyses do not resemble the diesel hydrocarbon standard. Chromatagraphs are included in the laboratory reports.

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Section 3

PRODUCT RECOVERY ACTIVITIES

During groundwater monitoring activities conducted from March 1990, through November 1992, the presence of a free-product layer was identified in monitoring well RAO-3, located within the former diesel fuel UST excavation area. In December 1992, a product recovery system, consisting of a removable canister (a buoy sheathed by a semi-permeable hydrophobic membrane atop a product storage sump) was installed in monitoring well RAO-3. During the period from December 1992 through May 1995, approximately 6,202-mL of free-product was recovered, however, product recovery activities conducted in October, November, and December 1995, did not result in the recovery of any additional free product. A summary of the product recovery operations is presented in Appendix D.

In addition, approximately 15-gallons of a dilute solution (5%) of hydrogen peroxide (H_2O_2) was added to product recovery well RAO-3 to help remove the residual petroleum hydrocarbon buildup on the well screen and in the surrounding sand pack. In accordance with the ACEHD letter dated November 6, 1995, the product recovery well (RAO-3) will be sampled during the first quarter of 1996.

APPENDIX A

GROUNDWATER SAMPLE COLLECTION DATA

GROUNDWATER SAMPLING INFORMATION

Project Name:	ARAMARK - OAKLAND
Project Number:	
Sampling Date:	11/14/95

Monitoring Well Location	Purge Number	Purge Volume (gal)	Temp (°C)	рН	Turbidity (NTU)	DTW (ft-bgs)	Cond (µS/cm) ×1000
RAO -1	1	DRY	WELL				
	2						
	3						
RA0-2	1	1	16.0	7.7	186	9.65	1.43
	2	5	15.5	7.5	184		1.39
	3	10	15.5	7-6	198		1.38
RA0-4	1	-	15.0	6.9	44.8	9-84	1.34
	2	5	14.7	6.9	24.6		1.24
	3	10	15-2	7.1	36.6		1.21
						` <u> </u>	
MW-4	1	1	15-1	6.9	16.6	10.18	1-85
	2	5					
	3	10	DRYA	T Igo	llon		
MW-5	1	1	15.6	7.5	575	10.31	2.55
	2	5	15.5	7.3	490		2-48
	3	l0	CRY	AT 6	-0110-3		
	1		_				
	2						
	3						

APPENDIX B

LABORATORY REPORT



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

RMT, Inc. 4640 Admiralty Way Suite 301 Marina Del Rey, CA 90292

Date: 29-NOV-95

Lab Job Number: 123384 Project ID: N/A

Location: Aramark-Oakland

Reviewed by: Jusa K

Reviewed by:

This package may be reproduced only in its entirety.

Berkeley Invine

LABORATORY NUMBER: 123384

CLIENT: RMT, INC.

LOCATION: ARAMARK-OAKLAND

Curtis & Tompkins, Ltd.

ATE SALEDED: 11/14/95

DATE RECEIVED: 11/14/95
DATE EXTRACTED: 11/20/95
DATE ANALYZED: 11/24,25/95

DATE REPORTED: 11/29/95

BATCH NO: 9649

Extractable Petroleum Hydrocarbons in Aqueous Solutions California DOHS Method LUFT Manual October 1989

LAB ID	CLIENT ID	STODDARD RANGE (ug/L)	KEROSENE RANGE (ug/L)	DIESEL RANGE (ug/L)
123384-001	RAO-2	ND(500)	ND(500)	870*
123384-002	RAO-4	ND (500)	ND(500)	*008
123384-003	MW-4	ND(500)	ND(500)	2,100*
123384-004	MW~5	ND (500)	ND (500)	1,100*
METHOD BLANK	N/A	ND(500)	ND(500)	ND(500)

ND = Not detected at or above reporting limit. Reporting limit indicated in parentheses.

QA/QC SUMMARY: BS/BSD

RPD, %

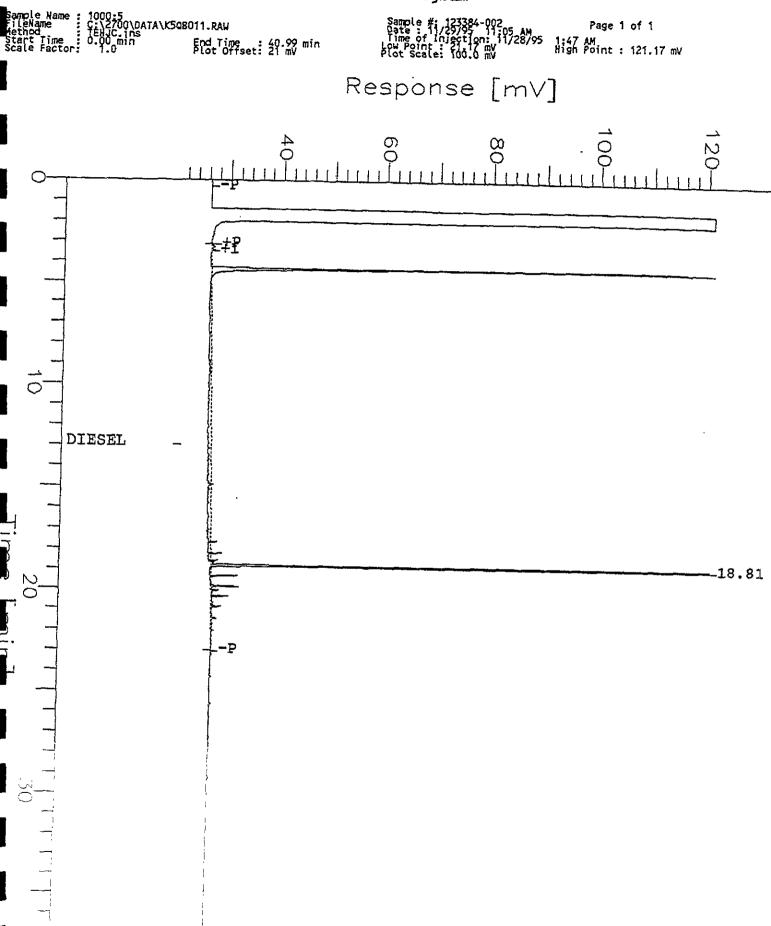
RECOVERY, %

93

^{*} Does not resemble Diesel Hydrocarbon standard.

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TEH Chromatogram

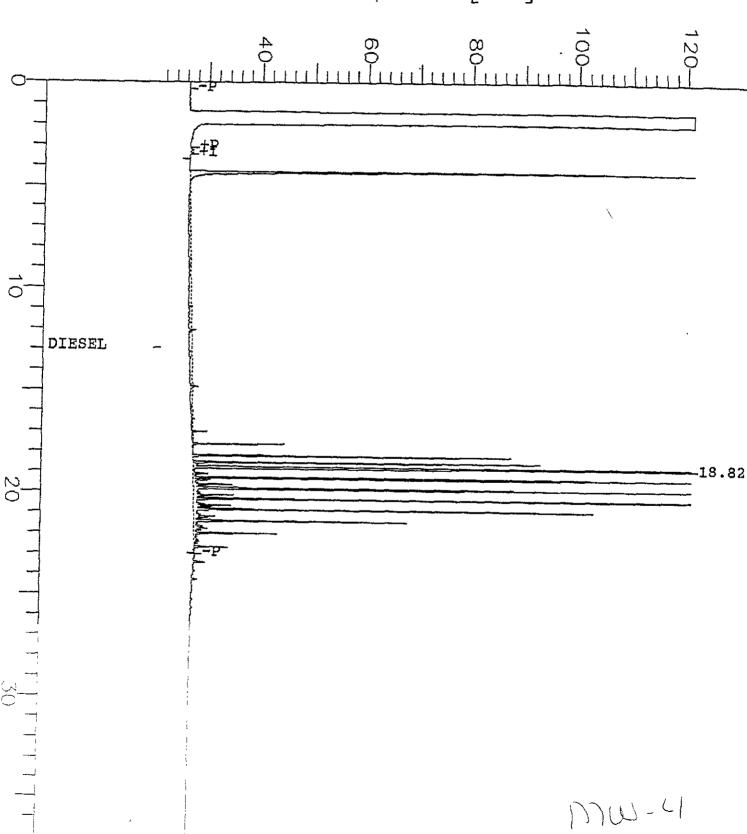


TEH Chromatogram

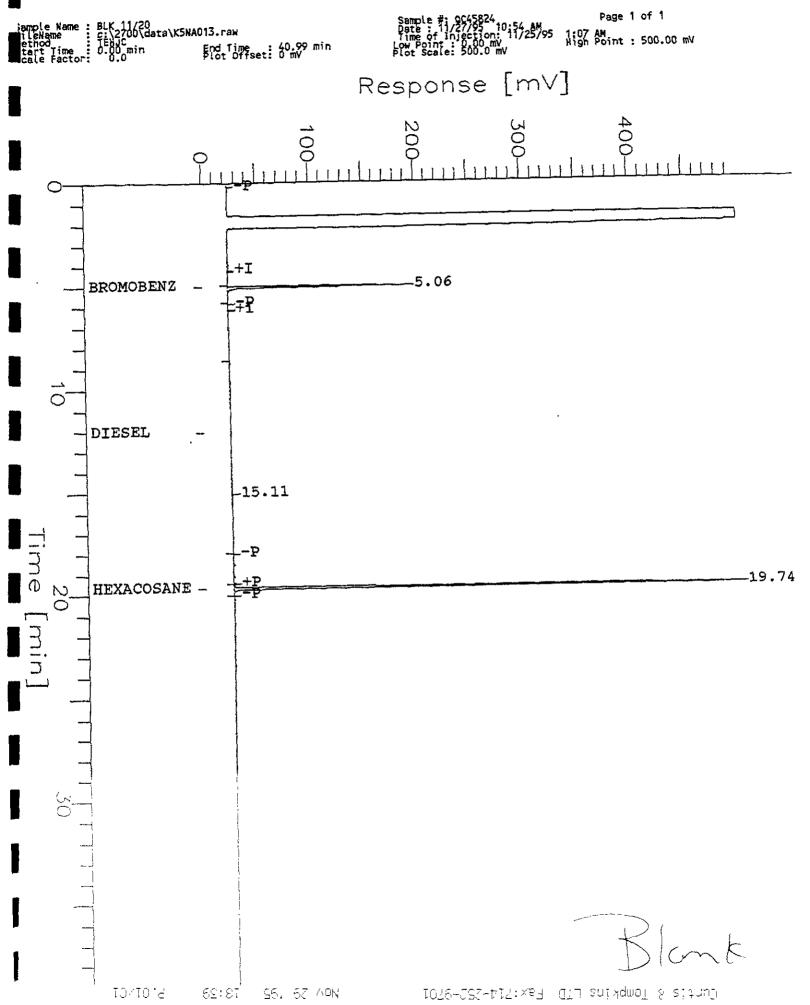
ample Name: 870:5 ileName: C:\2700\DATA\K5QB012.RAW ethod: TEKJC.ins art Time: 0.00 min End Time: 40.99 min ale Factor: 1.0 Plot Offset: 21 mV

Sample #: 123384-003 Page 1 of 1
Date: 11/29/95 11:06 AM
Time of Injection: 11/28/95 2:35 AM
Low Point: 21 av
Plot Scale: 100.0 mV Righ Point: 121.21 mV

Response [mV]



TEH Chromatogram



TEH Chromatogram - GC 13 Ch A

ample Name : DIESEL 427.5MG/L

FileName : g:\gc13\cha\277A048.raw

: GC13DUAL.ins tart Time : 0.00 min

ale Factor: -1

End Time : 31.92 min Plot Offset: 28 mV

Sample #: 95WS1103A

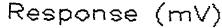
Date : 10/5/95 10:44 PM

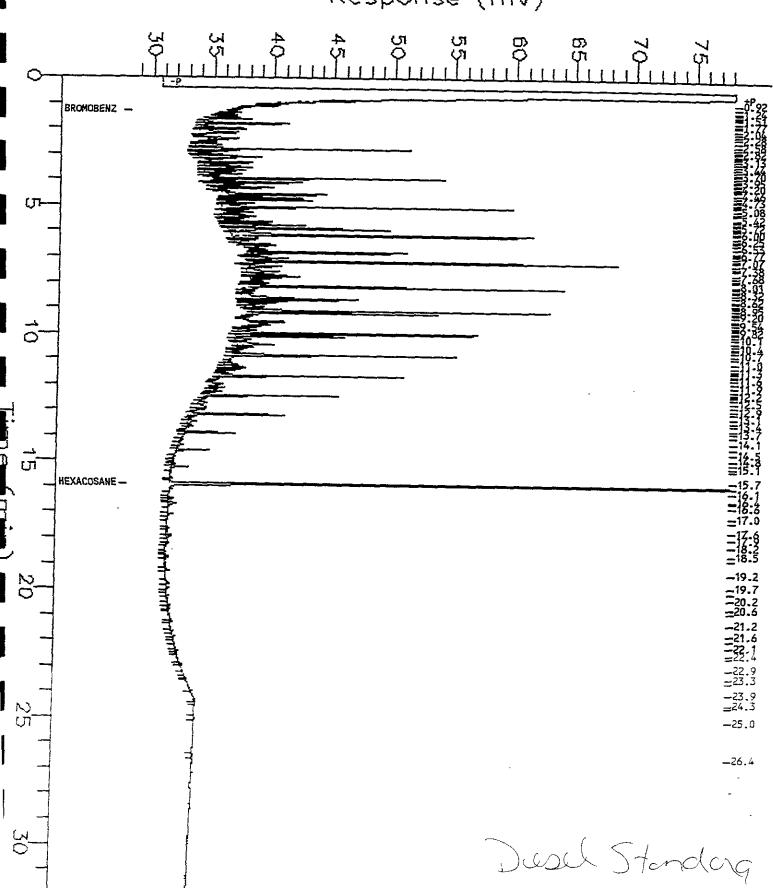
Time of Injection: 10/5/95 10:10 PM Low Point : 28,13 my

High Point : 78.13 mV

Page 1 of 1

Plot Scale: 50 mV







BTXE

Client: RMT, Inc. Analysis Method: BTXE

Location: Aramark-Oakland Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
123384-001	RAO-2	24426	11/14/95	11/17/95	11/17/95	
123384-002	RAO-4	24426	11/14/95	11/17/95	11/17/95	
123384-003	MW-4	24426	11/14/95	11/17/95	11/17/95	
123384-004	MW-5	24426	11/14/95	11/17/95	11/17/95	

Analyte Diln Fac:	Units	123384-001 1	123384-002 1	123384-003 1	123384-004 1
Benzene	ug/L	<0.5	<0.5	<0.5	<0.5
Toluene	ug/L	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	ug/L	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	ug/L	<0.5	<0.5	<0.5	<0.5
o-Xylene	ug/L	<0.5	<0.5	<0.5	<0.5
Surrogate					
Trifluorotoluene	%REC	88	88	88	88
Bromobenzene	%REC	87	87	87	86



BTXE

Client: RMT, Inc.

Analysis Method: BTXE

Location: Aramark-Oakland

Prep Method: EPA 5030

Sample # Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
123384-005 BLANK	24426	11/14/95	11/16/95	11/16/95	

Analyte Diln Fac:	Units	123384-005 1	
Benzene	ug/L	<0.5	
Toluene	ug/L	<0.5	
Ethylbenzene	ug/L	<0.5	
m,p-Xylenes	ug/L	<0.5	
o-Xylene	ug/L	<0.5	
Surrogate			
Trifluorotoluene	%REC	89	
Bromobenzene	%REC	88	



Lab #: 123384

BATCH QC REPORT

BTXE Analysis Method: BTXE Client: RMT, Inc. Location: Aramark-Oakland Prep Method: EPA 5030 METHOD BLANK Prep Date: 11/16/95 Matrix: Water 11/16/95 Batch#: 24426 Analysis Date: Units: ug/L Diln Fac: 1

MB Lab ID: QC09125

Analyte	Result	
Benzene	<0.5	
Toluene	<0.5	
Ethylbenzene	<0.5	
m,p-Xylenes	<0.5	
o-Xylene	<0.5	
Surrogate	%Rec	Recovery Limits
Trifluorotoluene	88	58-130
Bromobenzene	88	62-131



Lab #: 123384

BATCH QC REPORT

Page 1 of 1

BTXE

Client: RMT, Inc. Analysis Method: BTXE

Location: Aramark-Oakland Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water Prep Date: 11/16/95 Batch#: 24426 Analysis Date: 11/16/95

Units: ug/L Diln Fac: 1

BS Lab ID: QC09123

Analyte	Spike Added	BS	%Rec #	Limits
Benzene	20	19.1	96	80-120
Toluene	20	19.2	96	80-120
Ethylbenzene	20	19.2	96	80-120
m,p-Xylenes	40	38.7	97	80-120
o-Xylene	20	19.2	96	80-120
Surrogate	%Rec	Limits		*
Trifluorotoluene	90	58-130		
Bromobenzene	89	62-131		

BSD Lab ID: QC09124

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
Benzene	20	18.4	92	80-120	4	<11
Toluene	20	18.5	93	80-120	4	<13
Ethylbenzene	20	18.6	93	80-120	3	<25
m,p-Xylenes	40	37.6	94	80-120	3	<25
o-Xylene	20	18.7	94	80-120	3	<25
Surrogate	%Rec	Limit	-s			
Trifluorotoluene	89	58-13	30			
Bromobenzene	88	62-13	31			

[#] Column to be used to flag recovery and RPD values with an asterisk

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

^{*} Values outside of QC limits

LABORATORIE	S	Madi son, WI 53717 744 Heartland Trail Phon e (608) 831-4444 FAX (608) 831-7530	Fox Valley, Wi Columbus, OH Milwaukee, Wi		ashville, TN ireenville, SC		Augusta, Lansing,		Chicago,IL Los Angeles, CA	Cincinnati, OH Madison, WI
F-268 (R2/92) (Use Black Ink Only)	C	HAIN OF CUSTOD	N DECODO			······································			Nº	2 051564
Bottles Prepared by			14/9 <u>5</u>			.6.				iltered (Yes/No) erved (Code)
Project No	Client	amark - Oa		umber ainers	contain	242) 242) 243) 243))/ (1) 			Code: A - None B - HNO3 C - H ₂ SO4 D - NaOH
Lab No Yr 9.5 Date	Time	Sample Statio	n ID	Total Number Of Containers	2013	/ / 1/		, ne	Comments:	E - HCI F -
11/14		RAS		#	7 5			WATER		
-1	<u> </u>	RAO - 2		4					STANDARD	AURNAPOUND 821 3280
-3		RAO - 4 mw - 4		4						
-Á.	-	mw-5		<u> </u>					TARIQ)
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		BLANK		3						
										
	-									
				 						
SAMPLER Relinquished by (Sig.))				d 111	Date/Time	1	HAZAI	RDS ASSOCIATED WIT	H SAMPLES
Relinquished by (Sig) ③) Date/Time	Received by (Sig.) (4) Shipper Name & #			Date/Time	-	Receipt Te	(For Lab Use Only)) Receipt pH
Relinquished by (Sig)	***************************************	Date/Time	Received by (Sig.) ⑤ Shipper Name & #			Date/Time	e			
Custody Seal	Present//	Absent	Seal	Intact/	Not Intact	··-···		Seal #'s	······································	
			······································		WHIT	F - LABORA	TORY COPY	VELLOW D	PORT APPENDIX PI	INK - SAMDI ED/GLIGMITTED

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APPENDIX C

WASTE DISPOSAL MANIFESTS

NO. 004658

NON-HAZARDOUS WASTE DATA FORM

	LD. NOT REQUIRED
	ARAMARK SERVICES, INC.
	ADDRESS 927 WALDEN OFFICE SQUARE/ SITE: 330 CHESTNUT STROPE
H.	CITY, STATE, ZIR SCHAUMBURG, IL. 60173/ BAKLAND, CA PHONE NO. 1606, 597 - 3272
GENERATOR	CONTAINERS: No VOLUME WEIGHT
ENE	TYPE: TANK DUMP DRUMS CARTONS OTHER
D A	WASTE DESCRIPTION NON HAZARDOUS WATER GENERATING PROCESS COMPONENTS OF WASTE PPM %
G.	COMPONENTS OF WASTE PPM % COMPONENTS OF WASTE PPM % - WATER 5
PLET	7PH 6
COMPL	7
BE	JOB # TPHC89
10	PROPERTIES: pH SOLID
	HANDLING INSTRUCTIONS: WEAR APPROPRIATE SAFETY GEAR WHEN HANDLING.
	THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100%
	NON-HAZARDOUS. TYPED OR PRINTED FULL NAME & SIGNATURE DATE
	NAME FALCON DISPOSAL SERVICE, INC. EADOGO48934
RTER	ADDRESS 2531 EAST 67TH STREET SERVICE ORDER NO.
SPOR	CITY, STATE, ZIP LONG DEACH. CALIFORNIA 90805 PICK UP DATE 5/6/5
TRANS	(210) (22 4400
	TRUCK, UNIT, I.D. NO. 5451 TYPED OR PRINTED FULL NAME & SIGNATURE TYPED OR PRINTED FULL NAME & SIGNATURE
	DEMENNO KERDOON LD. CATUBOUT3352
	ADDRESS 2000 N. ALAMEDA STREET LANDRILL OTHER
	roweton. ca 90222
FACILITY	CITY, STATE, ZIP
ACIL	PHONE NO
1 🗔 1	TYPED OR PRINTED FULL NAME & SIGNATURE OATE
IST	GEN DLD/NEW L A TONS
-	TRANS S B
	C/Q RT/CD AWDF NONE DISCREPANCY
Ì:	

NSPORTATION AD000048934			479403
WASTE #0210 FALCON	DISPOSAL SERVICE, INC. T., LONG BEACH, CA 90805 • (310) 6334400		# O
= 1(80)	7) 583-4285 • FAX: (310) 633-4444 IFIELD ENVIRONMENTAL COMPANY	ALCON CUSTOMER #	SITE #
WISTOMER NAME FIVAMURK Services.	Tuc	FOUESTED BY	Bate
LING ADDRESS 1827 I VIALAGIN CHA	io Sauar	(310)578-12	41.2 3.2
Schaumbruci	STATE / ZIP C 173	URCHASE ORDER /	بند حسد
5-6-45 JOB TIME 1200	KEUIN BATE	310) 777 - 9674	TP4C89
GENERATOR NAME F-1/21/2016 SPruices =	Inc.	PA ID # :	
330 Chestnut	Street/+3rd	IN DROPPED	BIN PICKED UP.
[Cakland	COL. S A	IN DROPPED	SIN PICKED UP
ACCT # / WASTE STREAM APPROVAL # DISPOSAL FACI		N IN DISPATCH	BIN OUT DISPATCH
NIFESTED BY MANIFEST #	DISPOSAL BILLED TO		
SERVICES REQUESTED 5 Soil	and possibly u	ata drums	
RVICES PERFORMED	= · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
			170
YICE UP BYSS.	<u> </u>	·	Try
MARL & LABEL		-/	7
Mistanes Und Sup	ipsly signed mai	ufests on si	CLIENT INITIAL
STOMER SIGNATURE	<u> </u>	TOTAL HOU	15
DRIVER HOUSER	ORIVER SIGNATURE		TRUCK TRAILER #
PRINCE REPORTED TO		a price price	
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APPENDIX D

PRODUCT RECOVERY OBSERVATIONS

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Appendix D
Product Recovery Observations

Sampling	Volume of	Product Recovery Observation Volume of	Depth to	Depth to	Thickness of	
Date	Product Removed	Water Hemoved	Product	Water	Product (ft)	
	(mL)	(mL)	(ft-bgs)	(ff-bgs)		
12-03-92	0	20	8.65	8.67	0.02	
12-04-92	o	o	8.61	8.63	0.02	
12-08-92	18	0	8.52	8.52	0.00	
12-09-92	10	0	8.24	8.24	0.00	
12-10-92	o	3	8.02	8.02	0.00	
12-14-92	30	200	8.28	8.29	0.01	
12-15-92	0	0	8.32	8.32	0.00	
12-16-92	0	0	8.52	8.52	0.00	
12-18-92	18	٥	8.63	8.66	0.03	
12-21-92	10	0	8.39	8.42	0.03	
12-22-92	20	30	8.56	8.58	0.02	
12-23-92	18	0	8.35	8.37	0.02	
12-24-92	22	0	8.42	8.53	0.11	
12-28-92	15	0	8.53	8.64	0.01	
12-29-92	20	0	8.58	8.60	0.02	
12-30-92	18	0	8.22	8.24	0.02	
01-04-93	23	18	8,45	8.47	0.02	
01-05-93	12	0	8.28	8.30	0.02	
01-06-93	10	o	8.05	8.48	0.43	
01-07-93	8	0	8.64	8.66	0.02	
01-08-93	3	10	8.36	8.37	0.01	
01-11-93	8	o	8.02	8,16	0.14	
01-12-93	13	8	7.68	8.06	0.38	
01-13-93	45	0	7.64	8.04	0.40	
01-14-93	40	0	8.00	8,32	0.32	
01-15-93	40	0	7,98	8.30	0.32	
01-18-93	48	0	8,00	8.11	0.11	
01-19-93	50	0	8.00	8.22	0.22	
01-20-93	44	0	8.00	8.02	0.02	
01-21-93	5	40	7.84	8.00	0.16	
01-22-93	450	42	7.74	7.98	0.24	
02-04-93	25	500	7.99	8.45	0.46	
03-25-93	380	70	8.11	8.20	0.09	
04-09-93	500	18	8 1 1	8 20	0 09	
04-23-93	210	60	7.49	7.51	0.02	
05-03-93	560	90	8 54	8.58	0.04	
05-11-93	38	114	8.35	8.45	0.10	
05-20-93	1	0	8.39	8.42	0.03	
06-02-93	5	65	8.37	8 41	0.04	
06-18-93	100	٥	8.46	8.57	0.14	
07-09-93	150	0	8 20	8 25	0 05	
11-11-93	40	80	7.98	7.91	0.07	
12-10-93	20	25	8.62	8.59	0 03	

FINAL

Product Recovery Observations

Sampling	Volume of	Volume of	Depth to	Depth to	Thickness of
Date	Product Removed (mL)	Water Removed (mL)	Product (ft-bgs)	Water (ft-bgs)	Product (ft)
21.00.01					0.00
01-29-94	0	0	8.76	8.76	0.00
03-10-94	0	0	8.63	8.63	0.00
05-03-94	1,976	658	8.93	9.15	0.22
06-17-94	6	565	8.85	8.85	0,00
06-21-94	1 _	540	8.50	8.52	0.02
06-28-94	5	400	8.69	8.71	0.01
07-08-94	26	500	8.61	8.61	0.00
07-14-94	0	400	8.73	8.73	0.00
07-20-94	20	500	8.60	8.62	0.02
07-26-94	60	560	8.68	8.71	0.03
08-02-94	21	500	8.46	8.50	0.04
08-12-94	30	640	7.74	7.79	0.05
08-18-94	0	550	9.24	9.24	0.00
08-25-94	0	550	8.78	8.78	0.00
08-31-94	0	550	8.74	8.74	0.00
09-09-94	150	375	7.74	7.76	0.02
09-15-94	0 -	525	8.93	8.93	0.00
09-22-94	5	305	8.97	8.99	0.02
09-30-94	0	420	8.86	8.86	0.00
10-07-94	0	550	8.74	8.74	0.00
10-14-94	0	520	8.80	8.80	0.00
10-21-94	0	520	8,88	8.88	0.00
10-28-94	0	525	8.90	8.90	0.00
11-04-94	0	550	8,00	8.00	0.00
11-09-94	0	520	7.99	7.99	0.00
11-18-94	80	430	8.05	8.15	0.10
11-25-94	130	300	8.00	7.99	0.01
11-30-94	30	260	7.94	7.95	0.01
12-09-94	30	480	8.03	8.07	0.04
12-16-94	30	120	7.96	7.99	0.03
12-22-94	20	500	8.06	8.09	0.03
12-29-94	80 0F	360	7.71	7.73	0.02
01-06-95	25 50	500	7.57	7.60	0.03
01-13-95	50 5	70	7.55	7.54	0.01
01-20-95	5	510 500	7.53	7 54 7 41	0.01
01-26-95	30 30	500 320	7.38 7.47	7 48	0.03 0.01
01-31-95	20	320 210	7 63	7 63	0.00
02-09-95 02-14-95	20	175	7 62	7 64	0.00
02-14-95	30	310	7.85	7.89	0 02
[[20	340	7.75	7.78	0 03
03-03-95 03-09-95	30	510	7.75	7.70	0 03
lf i	İ		1	1	0.01
03-17-95	10 15	510	7.28	7.29 7.24	0.01
03-24-95		485	7.23 7.47	7.24	0.01
03-31-95	15	475	141	/ 40	0.01

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Product Recovery Observations

	Sampling Date	Volume of Product Removed	Volume of Water Removed	Depth to Product	Depth to Water	Thickness of Product (ft)
Ï		(mL)	(mL)	(ft-bgs)	(ft-bgs)	
ı	04-07-95	35	285	7.61	7.62	0.01
	04-14-95	20	280	7.68	7.69	0.01
ľ	04-21-95	20	290	7.75	7.73	0.02
	04-28-95	40	420	7.65	7.68	0.03
	05-06-95	20	360	7.70	7.71	0.01
	05-12-95	20	390	7.70	7.70	0.00
	05-19-95	10	370	7.90	7.90	0.00
	05-26-95	10	380	7.80	7.80	0.00
	06-02-95	0	240	7.86	7.86	0.00
	06-09-95	0	330	7.80	7.80	0.00
ı	06-16-95	0	170	7.87	7.87	0.00
ľ	06-23-95	0	300	7.99	7.99	0.00
1	06-30-95	0	300	7.88	7.88	0.00
١	07-07-95	0	280	7.82	7.82	0.00
ľ	07-14-95	0	290	7.86	7.86	0.00
	07-21-95	0	540	7.90	7.90	0.00
	07-28-95	0	500	7.92	7.92	0.00
١	08-04-95	0	480	7.86	7.86	0.00
	08-11-95	0	530	7.88	7.88	0.00
	08-18-95	0	520	7.86	7,86	0.00
١	08-25-95	0	500	7.90	7,90	0.00
	09-05-95	0	310	8.15	8.15	0.00
	09-12-95	0	400	8.10	8.10	0.00
1	09-19-95	0	390	8.20	8.20	0.00
ĺ	09-26-95	0	380	8.25	8,25	0.00
7	10-03-95	0	385	8.15	8.15	0.00
	10-10-95	0	230	8.42	8.42	0.00
	10-17-95	0	240	8.39	8.39	0.00
-	10-24-95	0	250	8.40	8.40	0.00
-	10-31-95	0	255	8.44	8.44	0.00
	11-07-95	0	260	8.42	8.42	0.00
	11-14-95	0	400	8.43	8.43	0.00
	11-21-95	0	420	8.48	8.48	0.00
ļ	11-28-95	0	480	8.50	8.50	0.00
1	12-05-95	0	400	8 55	8.55	0 00
ļ	Total to Date	6,202		<u> </u>		