



LRA ENVIRONMENTAL

3235 SUNRISE BOULEVARD, SUITE 5
RANCHO CORDOVA, CA 95742
PHONE 916/631-4455

FAX 916/631-4466

15 March 1993

Mr. Dan Mundy
Dolan Foster Enterprises, Inc.
25546 Seaboard Lane
Hayward, California 94545

Subject: Taco Bell Alameda Groundwater Monitoring Well Lab Analysis
1900 Webster Street
Alameda, California

Dear Mr. Mundy:

Enclosed is a copy of the lab analysis for the four on-site groundwater monitoring wells located at the above stated site. The wells were sampled in January 1993.

If you have any questions please do not hesitate to contact our office.

Very truly yours,

LRA ENVIRONMENTAL

Janine M. Jewell
Staff Geologist

epa\e9170.cor



MATRIX
ENVIRONMENTAL LABORATORIES INC

LRA Environmental
3235 Sunrise Boulevard
Suite "E"
Rancho Cordova, Ca 95742

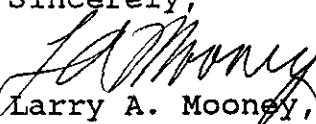
1/13/93

ATTN: Bob Nicholson

Re: Project: Taco Bell
Lab Reference Number: 3719
Date Samples Received: 1/5/93
No. Samples Received: 24

The samples were received by Matrix Environmental Laboratories intact and in good condition. Samples conformed to required sampling protocols for the requested analyses and were accompanied by required documentation.

Please call if we can be of further assistance.

Sincerely,

Larry A. Mooney, PhD
Laboratory Director

PROJECT ID: <u>LRA / Taco Bell</u>					NO. of CONTAINERS	ANALYSIS										COMMENTS:
CLIENT CHAIN OF CUSTODY # <u>1</u>						BTEX	TPH (TPH ₉)	TPH-D & X	824/8240	825/8270	418/ORG	5520/508 ORG	METALS	1.24.5	SAMPLE CONDITION	
LAB I.D. #	SAMPLE I.D.	DATE SAMPLED	TIME SAMPLED	MATRIX												
725112	TACO BELL MW#1	1-4-93	12:05	Water	2											
	" " " "	" " "	" " "	" " "	6	X	X	X	X	X	X				to 925119	
925120	TACO BELL MW#2	1-4-93	10:10	Water	2											
	" " " "	" " "	" " "	" " "	6	X	X	X	X	X	X				to 925122 SA TAT	
	TACO BELL MW#3	1-4-93	11:05	Water	2											
925128	" " " "	" " "	" " "	" " "	6	X	X	X	X	X	X				to 925135	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Special Instructions Report To: Bill To:
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	

1-5-93 10:23

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX, EPA 602

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9
SURROGATE RECOVERY	115.71	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX, EPA 602

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW#1
Lab ID: 925114

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9
SURROGATE RECOVERY		ACCEPTABLE RANGE
	110.41	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX, EPA 602

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW#2
Lab ID: 925122

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9
SURROGATE RECOVERY		ACCEPTABLE RANGE
	107.26	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX, EPA 602

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW#3
Lab ID: 925130

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9
SURROGATE RECOVERY		ACCEPTABLE RANGE
	113.50	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: MS, MSD
Lab ID: N/A

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		MS	MSD	MS	MSD	
BENZENE	20.0	18.4	20.2	92%	101%	9%
TOLUENE	20.0	18.7	20.4	94%	102%	9%
ETHYL BENZENE	20.0	18.6	20.2	93%	101%	8%
TOTAL XYLENES	60.0	55.3	60.6	92%	101%	9%

MS= MATRIX SPIKE
MSD= MATRIX SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
GASOLINE	ND	0.05
SURROGATE RECOVERY		ACCEPTABLE RANGE
	101.86	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW#1
Lab ID: 925114

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
GASOLINE	ND	0.05
SURROGATE RECOVERY		ACCEPTABLE RANGE
	101.57	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW#2
Lab ID: 925122

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)
GASOLINE	ND	0.05
SURROGATE RECOVERY	98.45	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW#3
Lab ID: 925130

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)
GASOLINE	ND	0.05
SURROGATE RECOVERY	103.97	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: MS, MSD
Lab ID: N/A

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/05/93
Matrix: WATER

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		
		MS	MSD	MS	MSD	RPD
GASOLINE	0.040	0.038	0.042	95%	105%	10%

MS= MATRIX SPIKE
MSD= MATRIX SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH, EPA 8015 mod.

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/12/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
KEROSINE	ND	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH, EPA 8015 mod.

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW #1
Lab ID: 925113

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/12/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
KEROSINE	ND	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH, EPA 8015 mod.

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW #2
Lab ID: 925121

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/12/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
KEROSINE	ND	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH, EPA 8015 mod.

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW #3
Lab ID: 925129

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/12/93
Date of Analysis: 1/12/93
Matrix: WATER

REPORTING LIMIT

COMPOUND	mg/L (ppm)	mg/L (ppm)
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KEROSINE	ND	.5
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DIESEL	ND	.5
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NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH MATRIX SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: N/A
Lab ID: LCS/LCSD

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/12/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	CONC SPIKED (mg/L)	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
KEROSINE	66	53	51	80%	77%	4%
DIESEL	66	50	50	76%	76%	0%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0601.D

ANALYTES	CONCENTRATION ug/L(ppb)	REPORTING LIMIT(ppb)
1,1,1-trichloroethane	ND	5
1,1,2,2-tetrachloroethane	ND	5
1,1,2-trichloroethane	ND	5
1,1-dichloroethane	ND	5
1,1-dichloroethene	ND	5
1,2-dichlorobenzene	ND	5
1,2-dichloroethane	ND	5
1,2-dichloropropane	ND	5
1,3-dichlorobenzene	ND	5
1,4-dichlorobenzene	ND	5
2-chloroethylvinyl ether	ND	5
bromodichloromethane	ND	5
bromomethane	ND	10
carbon tetrachloride	ND	5
chlorobenzene	ND	5
chloroethane	ND	10
chloroform	ND	5
chloromethane	ND	10
cis-1,3-dichloropropene	ND	5
dibromochloromethane	ND	5
tetrachloroethene	ND	10
trans-1,2-dichloroethene	ND	5
trans-1,3-dichloropropene	ND	5
trichloroethene	ND	5
trichlorofluoromethane	ND	10
vinyl chloride	ND	10

ND = Not Detected at, or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0601.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	%Recov
1,2-dichloroethane-d-4	41.8	50.0	83.7
toluene-d8	48.0	50.0	95.9
4-bromofluorobenzene	51.8	50.0	103.6

Surrogate Recovery Range = 50 - 150

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: TACO BELL MW#1
Lab ID: 925115

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0605.D

ANALYTES	CONCENTRATION ug/L(ppb)	REPORTING LIMIT(ppb)
1,1,1-trichloroethane	ND	5
1,1,2,2-tetrachloroethane	ND	5
1,1,2-trichloroethane	ND	5
1,1-dichloroethane	ND	5
1,1-dichloroethene	ND	5
1,2-dichlorobenzene	ND	5
1,2-dichloroethane	ND	5
1,2-dichloropropane	ND	5
1,3-dichlorobenzene	ND	5
1,4-dichlorobenzene	ND	5
2-chloroethylvinyl ether	ND	5
bromodichloromethane	ND	5
bromomethane	ND	10
carbon tetrachloride	ND	5
chlorobenzene	ND	5
chloroethane	ND	10
chloroform	ND	5
chloromethane	ND	10
cis-1,3-dichloropropene	ND	5
dibromochloromethane	ND	5
tetrachloroethene	ND	10
trans-1,2-dichloroethene	ND	5
trans-1,3-dichloropropene	ND	5
trichloroethene	ND	5
trichlorofluoromethane	ND	10
vinyl chloride	ND	10

ND = Not Detected at, or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: TACO BELL MW#1
Lab ID: 925115

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0605.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	%Recov
1,2-dichloroethane-d-4	49.1	50.0	98.1
toluene-d8	50.2	50.0	100.4
4-bromofluorobenzene	54.6	50.0	109.2

Surrogate Recovery Range = 50 - 150

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: TACO BELL MW#2
Lab ID: 925123

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0606.D

ANALYTES	CONCENTRATION ug/L(ppb)	REPORTING LIMIT(ppb)
1,1,1-trichloroethane	ND	5
1,1,2,2-tetrachloroethane	ND	5
1,1,2-trichloroethane	ND	5
1,1-dichloroethane	ND	5
1,1-dichloroethene	ND	5
1,2-dichlorobenzene	ND	5
1,2-dichloroethane	ND	5
1,2-dichloropropane	ND	5
1,3-dichlorobenzene	ND	5
1,4-dichlorobenzene	ND	5
2-chloroethylvinyl ether	ND	5
bromodichloromethane	ND	5
bromomethane	ND	10
carbon tetrachloride	ND	5
chlorobenzene	ND	5
chloroethane	ND	10
chloroform	ND	5
chloromethane	ND	10
cis-1,3-dichloropropene	ND	5
dibromochloromethane	ND	5
tetrachloroethene	ND	10
trans-1,2-dichloroethene	ND	5
trans-1,3-dichloropropene	ND	5
trichloroethene	ND	5
trichlorofluoromethane	ND	10
vinyl chloride	ND	10

ND = Not Detected at, or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: TACO BELL MW#2
Lab ID: 925123

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0606.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	%Recov
1,2-dichloroethane-d-4	48.5	50.0	97.1
toluene-d8	51.3	50.0	102.6
4-bromofluorobenzene	55.9	50.0	111.8

Surrogate Recovery Range = 50 - 150

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: TACO BELL MW#3
Lab ID: 925131

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0607.D

ANALYTES	CONCENTRATION ug/L(ppb)	REPORTING LIMIT(ppb)
1,1,1-trichloroethane	ND	5
1,1,2,2-tetrachloroethane	ND	5
1,1,2-trichloroethane	ND	5
1,1-dichloroethane	ND	5
1,1-dichloroethene	ND	5
1,2-dichlorobenzene	ND	5
1,2-dichloroethane	ND	5
1,2-dichloropropane	ND	5
1,3-dichlorobenzene	ND	5
1,4-dichlorobenzene	ND	5
2-chloroethylvinyl ether	ND	5
bromodichloromethane	ND	5
bromomethane	ND	10
carbon tetrachloride	ND	5
chlorobenzene	ND	5
chloroethane	ND	10
chloroform	ND	5
chloromethane	ND	10
cis-1,3-dichloropropene	ND	5
dibromochloromethane	ND	5
tetrachloroethene	ND	10
trans-1,2-dichloroethene	ND	5
trans-1,3-dichloropropene	ND	5
trichloroethene	ND	5
trichlorofluoromethane	ND	10
vinyl chloride	ND	10

ND = Not Detected at, or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3719
Project No:
Sample ID: TACO BELL MW#3
Lab ID: 925131

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: N/A
Date of Analysis: 01/06/93
Matrix: WATER

File: A0607.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	%Recov
1,2-dichloroethane-d-4	47.0	50.0	93.9
toluene-d8	51.3	50.0	102.7
4-bromofluorobenzene	54.5	50.0	109.0

Surrogate Recovery Range = 50 - 150

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method 624

COC No: 3719
Lab ID: LCS/D

Date of Analysis: 01/06/93
Matrix: WATER

File: A0603.D

LABORATORY CONTROL SPIKE

COMPOUND	LEVEL ug/L (ppb)	LCS AMNT ug/L (ppb)	% RCVRY	LCSD AMNT ug/L (ppb)	% RCVRY	RPD
1,1-dichloroethene	50.0	29.67	59.34	30.15	60.30	1.60
benzene	50.0	44.00	88.00	44.40	88.80	0.90
chlorobenzene	50.0	45.12	90.24	43.54	87.08	3.56
toluene	50.0	44.21	88.42	45.11	90.22	2.02
trichloroethene	50.0	51.70	103.40	50.41	100.82	2.53

% RECOVERY RANGE = 50-150
RPD RANGE = 0- 25

LCS = LABORATORY CONTROL SPIKE
LCSD = LABORATORY CONTROL SPIKE DUPLICATE
RPD = RELATIVE PERCENT DEVIATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0607.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
POLYNUCLEAR AROMATICS		
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzo[a]pyrene	ND	10
Benzo[b]fluoranthene	ND	10
Benzo[g,h,i]perylene	ND	10
Benzoic acid	ND	10
Benzo[k]fluoranthene	ND	10
Benzyl alcohol	ND	20
Chrysene	ND	10
Dibenzofuran	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Indeno(1,2,3-c,d)pyrene	ND	10
Naphthalene	ND	10
Phenanthrene	ND	10
Pyrene	ND	10
POLYCHLOROBIPHENYLS(PCB)		
Aroclor 1016	ND	50
Aroclor 1221	ND	50
Aroclor 1232	ND	50
Aroclor 1242	ND	50
Aroclor 1248	ND	50
Aroclor 1254	ND	50
Aroclor 1260	ND	50

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: **LRA**
CONTACT: **R NICHOLSON**
COC No: **3719**
Project No:
Sample ID: **N/A**
Lab ID: **METHOD BLANK**

Date Sampled: **N/A**
Date Received: **N/A**
Date Extracted: **1/6/93**
Date of Analysis: **1/6/93**
Matrix: **WATER**

File: **A0607.D**

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
ANILINES		
4-Chloroaniline	ND	20
2-Nitroaniline	ND	50
3-Nitroaniline	ND	50
4-Nitroaniline	ND	50
PHENOLS		
Pentachlorophenol	ND	10
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	10
4-Nitrophenol	ND	10
2-Methyl-4,6-dinitrophenol	ND	10
CREOSOTE	ND	0.3

ND = Not detected at or above the Report Limit.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0607.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	Recovery	Range
2-Fluorobiphenyl	68.2	100	68.2	43-116
2-Fluorophenol	111.5	200	55.8	21-100
4-Terphenyl-D14	142.3	100	142.3	33-141
Nitrobenzene-D5	65.6	100	65.6	35-114
Phenol-D6	73.7	200	36.9	10-94
Tribromophenol	97.8	200	48.9	10-123

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#1
Lab ID: 925112

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0610.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
POLYNUCLEAR AROMATICS		
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzo[a]pyrene	ND	10
Benzo[b]fluoranthene	ND	10
Benzo[g,h,i]perylene	ND	10
Benzoic acid	ND	10
Benzo[k]fluoranthene	ND	10
Benzyl alcohol	ND	20
Chrysene	ND	10
Dibenzofuran	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Indeno(1,2,3-c,d)pyrene	ND	10
Naphthalene	ND	10
Phenanthrene	ND	10
Pyrene	ND	10
POLYCHLOROBIPHENYLS(PCB)		
Aroclor 1016	ND	50
Aroclor 1221	ND	50
Aroclor 1232	ND	50
Aroclor 1242	ND	50
Aroclor 1248	ND	50
Aroclor 1254	ND	50
Aroclor 1260	ND	50

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#1
Lab ID: 925112

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0610.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
ANILINES		
4-Chloroaniline	ND	20
2-Nitroaniline	ND	50
3-Nitroaniline	ND	50
4-Nitroaniline	ND	50
PHENOLS		
Pentachlorophenol	ND	10
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	10
4-Nitrophenol	ND	10
2-Methyl-4,6-dinitrophenol	ND	10
CREOSOTE	ND	0.3

ND = Not detected at or above the Report Limit.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#1
Lab ID: 925112

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0610.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	Recovery	Range
2-Fluorobiphenyl	70.3	100	70.3	43-116
2-Fluorophenol	25.9	200	12.9	21-100 *
4-Terphenyl-D14	94.4	100	94.4	33-141
Nitrobenzene-D5	61.3	100	61.3	35-114
Phenol-D6	18.3	200	9.1	10-94 *
Tribromophenol	59.4	200	29.7	10-123

* NOTE: Surrogate recoveries are slightly low. Insufficient sample was provided to allow a repeat extraction and analysis.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#2
Lab ID: 925120

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0611.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
POLYNUCLEAR AROMATICS		
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzo[a]pyrene	ND	10
Benzo[b]fluoranthene	ND	10
Benzo[g,h,i]perylene	ND	10
Benzoic acid	ND	10
Benzo[k]fluoranthene	ND	10
Benzyl alcohol	ND	20
Chrysene	ND	10
Dibenzofuran	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Indeno(1,2,3-c,d)pyrene	ND	10
Naphthalene	ND	10
Phenanthrene	ND	10
Pyrene	ND	10
POLYCHLOROBIPHENYLS(PCB)		
Aroclor 1016	ND	50
Aroclor 1221	ND	50
Aroclor 1232	ND	50
Aroclor 1242	ND	50
Aroclor 1248	ND	50
Aroclor 1254	ND	50
Aroclor 1260	ND	50

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#2
Lab ID: 925120

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0611.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
ANILINES		
4-Chloroaniline	ND	20
2-Nitroaniline	ND	50
3-Nitroaniline	ND	50
4-Nitroaniline	ND	50
PHENOLS		
Pentachlorophenol	ND	10
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	10
4-Nitrophenol	ND	10
2-Methyl-4,6-dinitrophenol	ND	10
CREOSOTE	ND	0.3

ND = Not detected at or above the Report Limit.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#2
Lab ID: 925120

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0611.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	Recovery	Range
2-Fluorobiphenyl	83.6	100	83.6	43-116
2-Fluorophenol	42.4	200	21.2	21-100
4-Terphenyl-D14	62.2	100	62.2	33-141
Nitrobenzene-D5	76.1	100	76.1	35-114
Phenol-D6	30.5	200	15.3	10-94
Tribromophenol	88.9	200	44.4	10-123

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#3
Lab ID: 925128

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0612.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
POLYNUCLEAR AROMATICS		
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzo[a]pyrene	ND	10
Benzo[b]fluoranthene	ND	10
Benzo[g,h,i]perylene	ND	10
Benzoic acid	ND	10
Benzo[k]fluoranthene	ND	10
Benzyl alcohol	ND	20
Chrysene	ND	10
Dibenzofuran	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Indeno(1,2,3-c,d)pyrene	ND	10
Naphthalene	ND	10
Phenanthrene	ND	10
Pyrene	ND	10
POLYCHLOROBIPHENYLS(PCB)		
Aroclor 1016	ND	50
Aroclor 1221	ND	50
Aroclor 1232	ND	50
Aroclor 1242	ND	50
Aroclor 1248	ND	50
Aroclor 1254	ND	50
Aroclor 1260	ND	50

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: **LRA**
CONTACT: **R NICHOLSON**
COC No: **3719**
Project No:
Sample ID: **MW#3**
Lab ID: **925128**

Date Sampled: **1/4/93**
Date Received: **1/5/93**
Date Extracted: **1/6/93**
Date of Analysis: **1/6/93**
Matrix: **WATER**

File: **A0612.D**

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
ANILINES		
4-Chloroaniline	ND	20
2-Nitroaniline	ND	50
3-Nitroaniline	ND	50
4-Nitroaniline	ND	50
PHENOLS		
Pentachlorophenol	ND	10
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	10
4-Nitrophenol	ND	10
2-Methyl-4,6-dinitrophenol	ND	10
CREOSOTE	ND	0.3

ND = Not detected at or above the Report Limit.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3719
Project No:
Sample ID: MW#3
Lab ID: 925128

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/6/93
Date of Analysis: 1/6/93
Matrix: WATER

File: A0612.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	Recovery	Range
2-Fluorobiphenyl	70.5	100	70.5	43-116
2-Fluorophenol	51.9	200	26.0	21-100
4-Terphenyl-D14	74.9	100	74.9	33-141
Nitrobenzene-D5	60.8	100	60.8	35-114
Phenol-D6	38.0	200	19.0	10-94
Tribromophenol	126.8	200	63.4	10-123

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organics EPA Method 625

COC No: 3719
Project No:
Sample ID: N/A
Lab ID: N/A

Date Extracted: 10/23/92
Date of Analysis: 1/6/93
Matrix: WATER

File: A0609.D

LABORATORY CONTROL SPIKE

COMPOUND	LEVEL	LCS AMNT	% RECVRY	LCSD AMNT	% RECVRY	RECVRY RANGE	RPD
Phenol	200	85.9	43.0	86.9	43.4	5-112	1.1
2-Chlorophenol	200	149.3	74.7	158.1	79.1	23-134	5.7
1,4-Dichlorobenzene	100	55.2	55.2	59.0	59.0	20-124	6.7
N-Nitrosodi-n-propyl am	100	69.4	69.4	75.2	75.2	1-230	8.1
1,2,4-Trichlorobenzene	100	53.4	53.4	52.9	52.9	32-142	1.0
4-Chloro-3-methylphenol	200	173.0	86.5	184.8	92.4	22-147	6.6
Acenaphthene	100	69.1	69.1	70.5	70.5	30-145	2.0
4-Nitrophenol	200	24.9	12.4	22.5	11.3	1-132	10.0
2,4-Dinitrotoluene	100	83.1	83.1	81.5	81.5	20-139	1.9
Pentachlorophenol	200	95.7	47.8	82.8	41.4	14-176	14.5
Pyrene	100	82.3	82.3	90.6	90.6	32-145	9.6

RPD RANGE = 0~ 25

All concentrations are in mg/L (ppm)

LCS=LABORATORY CONTROL SPIKE

LCSD=LABORATORY CONTROL SPIKE DUPLICATE

RPD = RELATIVE PERCENT DEVIATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1, OIL & GREASE by IR SPECTROPHOTOMETER

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/11/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	ND	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1, OIL & GREASE by IR SPECTROPHOTOMETER

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: MW1
Lab ID: 925113

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/11/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	ND	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1, OIL & GREASE by IR SPECTROPHOTOMETER

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: MW2
Lab ID: 925121

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/11/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	ND	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1, OIL & GREASE by IR SPECTROPHOTOMETER

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: MW3
Lab ID: 925129

Date Sampled: 1/4/93
Date Received: 1/5/93
Date Extracted: 1/11/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	ND	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1; OIL & GREASE SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: LCS/LCSD
Lab ID: N/A

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/11/93
Date of Analysis: 1/12/93
Matrix: WATER

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		
		LCS	LCSD	LCS	LCSD	RPD
OIL & GREASE	10	11	11	110%	110%	0%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS CAM 5 TTLC

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/06/93
Date of Analysis: 1/07/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT		Method
			mg/L (ppm)	
CADMIUM	ND		.01	7130
CHROMIUM	ND		.02	7190
LEAD	ND		.05	7420
NICKEL	ND		.02	7520
ZINC	ND		.08	7920

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS CAM 5 TTLC

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW #1
Lab ID: 925119

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: 1/06/93
Date of Analysis: 1/07/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
CADMIUM	ND	.01	7130
CHROMIUM	ND	.02	7190
LEAD	ND	.05	7420
NICKEL	ND	.02	7520
ZINC	ND	.08	7920

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS CAM 5 TTLC

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW #2
Lab ID: 925127

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: 1/06/93
Date of Analysis: 1/07/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
CADMIUM	ND	.01	7130
CHROMIUM	ND	.02	7190
LEAD	ND	.05	7420
NICKEL	ND	.02	7520
ZINC	ND	.08	7920

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS CAM 5 TTLC

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3719
Project No: Taco Bell
Sample ID: Taco Bell MW #3
Lab ID: 925135

Date Sampled: 1/04/93
Date Received: 1/05/93
Date Extracted: 1/06/93
Date of Analysis: 1/07/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT		Method
			mg/L (ppm)	
CADMIUM	ND		.01	7130
CHROMIUM	ND		.02	7190
LEAD	ND		.05	7420
NICKEL	ND		.02	7520
ZINC	ND		.08	7920

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS LABORATORY CONTROL SPIKE SUMMARY

CLIENT: LRA Environmental
 CONTACT: B. Nicholson
 COC No: 3719
 Project No: Taco Bell
 Sample ID: N/A
 Lab ID: LCS/LCSD

Date Sampled: N/A
 Date Received: N/A
 Date Extracted: 1/06/93
 Date of Analysis: 1/07/93
 Matrix: WATER

COMPOUND	CONC SPIKED (PPM)	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
CADMIUM	3.6	3.26	3.29	91%	91%	1%
CHROMIUM	3.6	3.31	3.27	92%	91%	1%
LEAD	3.6	3.28	3.32	91%	92%	1%
NICKEL	3.6	3.23	3.27	90%	91%	1%
ZINC	1.8	1.66	1.62	92%	90%	2%

LCS= LABORATORY CONTROL SPIKE
 LCSD= LABORATORY CONTROL SPIKE DUPLICATE
 RPD= RELATIVE PERCENT DIFFERENCE
 CONC= CONCENTRATION



MATRIX

ENVIRONMENTAL LABORATORIES INC.

LRA Environmental
3235 Sunrise Boulevard
Suite "E"
Rancho Cordova, Ca 95742

1/26/93


ATTN: Bob Nicholson

Re: Project: Taco Bell E9170
Lab Reference Number: 3736
Date Samples Received: 1/19/93
No. Samples Received: 12

The samples were received by Matrix Environmental Laboratories intact and in good condition. Samples conformed to required sampling protocols for the requested analyses and were accompanied by required documentation.

Please call if we can be of further assistance.

Sincerely,


Larry A. Mooney, PhD
Laboratory Director

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX, EPA 602

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/19/93
Matrix: WATER

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9
SURROGATE RECOVERY		ACCEPTABLE RANGE
	102.39	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX, EPA 602

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: Taco Bell MW #4
Lab ID: 930011

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: N/A
Date of Analysis: 1/19/93
Matrix: WATER

COMPOUND	ug/L (ppb)	REPORTING LIMIT (ppb)
BENZENE	ND	0.3
TOLUENE	ND	0.3
ETHYLBENZENE	ND	0.3
XYLENES	ND	0.9
SURROGATE RECOVERY		ACCEPTABLE RANGE
	101.20	70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: BTEX SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: LCS, LCSD
Lab ID: N/A

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/19/93
Matrix: WATER

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		
		LCS	LCSD	LCS	LCSD	RPD
BENZENE	20.0	19.3	18.3	97%	92%	5%
TOLUENE	20.0	19.4	18.6	97%	93%	4%
ETHYL BENZENE	20.0	19.3	18.5	97%	93%	4%
TOTAL XYLENES	60.0	57.6	54.9	96%	92%	5%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/19/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)
GASOLINE	ND	0.05
SURROGATE RECOVERY	100.43	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE by EPA 5030 PURGE-AND-TRAP

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: Taco Bell MW#4
Lab ID: 930011

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: N/A
Date of Analysis: 1/19/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT mg/L (ppm)
GASOLINE	ND	0.05
SURROGATE RECOVERY	99.49	ACCEPTABLE RANGE 70% TO 130%

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH-GASOLINE SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: LCS, LCSD
Lab ID: N/A

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 1/19/93
Matrix: WATER

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
GASOLINE	0.040	0.040	0.038	100%	95%	5%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3736
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 01/20/93
Matrix: WATER

File: A2008.D

ANALYTES	CONCENTRATION ug/L(ppb)	REPORTING LIMIT(ppb)
1,1,1-trichloroethane	ND	5
1,1,2,2-tetrachloroethane	ND	5
1,1,2-trichloroethane	ND	5
1,1-dichloroethane	ND	5
1,1-dichloroethene	ND	5
1,2-dichlorobenzene	ND	5
1,2-dichloroethane	ND	5
1,2-dichloropropane	ND	5
1,3-dichlorobenzene	ND	5
1,4-dichlorobenzene	ND	5
2-chloroethylvinyl ether	ND	5
bromodichloromethane	ND	5
bromomethane	ND	10
carbon tetrachloride	ND	5
chlorobenzene	ND	5
chloroethane	ND	10
chloroform	ND	5
chloromethane	ND	10
cis-1,3-dichloropropene	ND	5
dibromochloromethane	ND	5
tetrachloroethene	ND	10
trans-1,2-dichloroethene	ND	5
trans-1,3-dichloropropene	ND	5
trichloroethene	ND	5
trichlorofluoromethane	ND	10
vinyl chloride	ND	10

ND = Not Detected at, or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3736
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date of Analysis: 01/20/93
Matrix: WATER

File: A2008.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	%Recov
1,2-dichloroethane-d-4	50.3	50.0	100.5
toluene-d8	49.3	50.0	98.6
4-bromofluorobenzene	54.6	50.0	109.1

Surrogate Recovery Range = 50 - 150

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3736
Project No:
Sample ID: Taco Bell MW#4
Lab ID: 930012

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: N/A
Date of Analysis: 01/20/93
Matrix: WATER

File: A2005.D

ANALYTES	CONCENTRATION ug/L(ppb)	REPORTING LIMIT(ppb)
1,1,1-trichloroethane	ND	5
1,1,2,2-tetrachloroethane	ND	5
1,1,2-trichloroethane	ND	5
1,1-dichloroethane	ND	5
1,1-dichloroethene	ND	5
1,2-dichlorobenzene	ND	5
1,2-dichloroethane	ND	5
1,2-dichloropropane	ND	5
1,3-dichlorobenzene	ND	5
1,4-dichlorobenzene	ND	5
2-chloroethylvinyl ether	ND	5
bromodichloromethane	ND	5
bromomethane	ND	10
carbon tetrachloride	ND	5
chlorobenzene	ND	5
chloroethane	ND	10
chloroform	ND	5
chloromethane	ND	10
cis-1,3-dichloropropene	ND	5
dibromochloromethane	ND	5
tetrachloroethene	ND	10
trans-1,2-dichloroethene	ND	5
trans-1,3-dichloropropene	ND	5
trichloroethene	ND	5
trichlorofluoromethane	ND	10
vinyl chloride	ND	10

ND = Not Detected at, or Above the Report Limit

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method M624

CLIENT: LRA ENV
CONTACT: B NICHOLSON
COC No: 3736
Project No:
Sample ID: Taco Bell MW#4
Lab ID: 930012

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: N/A
Date of Analysis: 01/20/93
Matrix: WATER

File: A2005.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	%Recov
1,2-dichloroethane-d-4	47.8	50.0	95.6
toluene-d8	49.9	50.0	99.8
4-bromofluorobenzene	55.1	50.0	110.3

Surrogate Recovery Range = 50 - 150

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: Volatile Organic Analytes EPA Method 624

COC No: 3736
Lab ID: LCS/D

Date of Analysis: 01/20/93
Matrix: WATER

File: A2003.D

LABORATORY CONTROL SPIKE

COMPOUND	LEVEL ug/L (ppb)	LCS AMNT ug/L (ppb)	% RCVRY	LCSD AMNT ug/L (ppb)	% RCVRY	RPD
1,1-dichloroethene	50.0	68.86	137.72	71.42	142.84	3.65
benzene	50.0	58.99	117.98	60.19	120.38	2.01
chlorobenzene	50.0	54.24	108.48	54.61	109.22	0.68
toluene	50.0	57.94	115.88	58.28	116.56	0.59
trichloroethene	50.0	56.64	113.28	56.79	113.58	0.26

% RECOVERY RANGE = 50-150
RPD RANGE = 0- 25

LCS = LABORATORY CONTROL SPIKE
LCSD = LABORATORY CONTROL SPIKE DUPLICATE
RPD = RELATIVE PERCENT DEVIATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3736
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/21/93
Date of Analysis: 1/22/93
Matrix: WATER

File: A2202.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
POLYNUCLEAR AROMATICS		
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzo[a]pyrene	ND	10
Benzo[b]fluoranthene	ND	10
Benzo[g,h,i]perylene	ND	10
Benzoic acid	ND	10
Benzo[k]fluoranthene	ND	10
Benzyl alcohol	ND	20
Chrysene	ND	10
Dibenzofuran	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Indeno(1,2,3-c,d)pyrene	ND	10
Naphthalene	ND	10
Phenanthrene	ND	10
Pyrene	ND	10
POLYCHLOROBIPHENYLS(PCB)		
Aroclor 1016	ND	50
Aroclor 1221	ND	50
Aroclor 1232	ND	50
Aroclor 1242	ND	50
Aroclor 1248	ND	50
Aroclor 1254	ND	50
Aroclor 1260	ND	50

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3736
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/21/93
Date of Analysis: 1/22/93
Matrix: WATER

File: A2202.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
ANILINES		
4-Chloroaniline	ND	20
2-Nitroaniline	ND	50
3-Nitroaniline	ND	50
4-Nitroaniline	ND	50
PHENOLS		
Pentachlorophenol	ND	10
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	10
4-Nitrophenol	ND	10
2-Methyl-4,6-dinitrophenol	ND	10
CREOSOTE	ND	0.3

ND = Not detected at or above the Report Limit.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3736
Project No:
Sample ID: N/A
Lab ID: METHOD BLANK

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/21/93
Date of Analysis: 1/22/93
Matrix: WATER

File: A2202.D

SURROGATE RECOVERY

Surrogate	Amount	Spike	Recovery	Range
2-Fluorobiphenyl	91.4	100	91.4	43-116
2-Fluorophenol	119.6	200	59.8	21-100
4-Terphenyl-D14	119.8	100	119.8	33-141
Nitrobenzene-D5	77.3	100	77.3	35-114
Phenol-D6	86.9	200	43.4	10-94
Tribromophenol	89.8	200	44.9	10-123

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3736
Project No:
Sample ID: MW#4
Lab ID: 930008

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: 1/21/93
Date of Analysis: 1/22/93
Matrix: WATER

File: A2205.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
POLYNUCLEAR AROMATICS		
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzo[a]pyrene	ND	10
Benzo[b]fluoranthene	ND	10
Benzo[g,h,i]perylene	ND	10
Benzoic acid	ND	10
Benzo[k]fluoranthene	ND	10
Benzyl alcohol	ND	20
Chrysene	ND	10
Dibenzofuran	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Indeno(1,2,3-c,d)pyrene	ND	10
Naphthalene	ND	10
Phenanthrene	ND	10
Pyrene	ND	10
POLYCHLOROBIPHENYLS(PCB)		
Aroclor 1016	ND	50
Aroclor 1221	ND	50
Aroclor 1232	ND	50
Aroclor 1242	ND	50
Aroclor 1248	ND	50
Aroclor 1254	ND	50
Aroclor 1260	ND	50

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: LRA
CONTACT: R NICHOLSON
COC No: 3736
Project No:
Sample ID: MW#4
Lab ID: 930008

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: 1/21/93
Date of Analysis: 1/22/93
Matrix: WATER

File: A2205.D

ANALYTES	CONCENTRATION ug/L (ppb)	REPORTING LIMIT(ppb)
ANILINES		
4-Chloroaniline	ND	20
2-Nitroaniline	ND	50
3-Nitroaniline	ND	50
4-Nitroaniline	ND	50
PHENOLS		
Pentachlorophenol	ND	10
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	10
4-Nitrophenol	ND	10
2-Methyl-4,6-dinitrophenol	ND	10
CREOSOTE	ND	0.3

ND = Not detected at or above the Report Limit.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organic Analytes EPA Method M625

CLIENT: **LRA**
CONTACT: **R NICHOLSON**
COC No: **3736**
Project No:
Sample ID: **MW#4**
Lab ID: **930008**

Date Sampled: **1/19/93**
Date Received: **1/19/93**
Date Extracted: **1/21/93**
Date of Analysis: **1/22/93**
Matrix: **WATER**

File: **A2205.D**

SURROGATE RECOVERY

Surrogate	Amount	Spike	Recovery	Range
2-Fluorobiphenyl	89.1	100	89.1	43-116
2-Fluorophenol	77.4	200	38.7	21-100
4-Terphenyl-D14	97.6	100	97.6	33-141
Nitrobenzene-D5	86.5	100	86.5	35-114
Phenol-D6	49.3	200	24.7	10-94
Tribromophenol	166.9	200	83.4	10-123

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: SemiVolatile Organics EPA Method 625

COC No: 3736
Project No:
Sample ID: N/A
Lab ID: N/A

Date Extracted: 10/23/92
Date of Analysis: 1/22/93
Matrix: WATER

File: A2204.D

LABORATORY CONTROL SPIKE

COMPOUND	LEVEL	LCS AMNT	% RECVRY	LCSD AMNT	% RECVRY	RECVRY RANGE	RPD
Phenol	200	66.9	33.5	74.3	37.2	5-112	10.5
2-Chlorophenol	200	137.7	68.8	140.9	70.4	23-134	2.3
1,4-Dichlorobenzene	100	68.8	68.8	69.4	69.4	20-124	0.9
N-Nitrosodi-n-propyl am	100	79.5	79.5	79.3	79.3	1-230	0.3
1,2,4-Trichlorobenzene	100	80.2	80.2	80.5	80.5	32-142	0.4
4-Chloro-3-methylphenol	200	175.8	87.9	179.8	89.9	22-147	2.3
Acenaphthene	100	81.7	81.7	83.6	83.6	30-145	2.3
4-Nitrophenol	200	13.0	6.5	16.5	8.3	1-132	24.0
2,4-Dinitrotoluene	100	84.3	84.3	71.3	71.3	20-139	16.7
Pentachlorophenol	200	28.4	14.2	35.8	17.9	14-176	23.1
Pyrene	100	83.5	83.5	79.1	79.1	32-145	5.4

RPD RANGE = 0- 25

All concentrations are in mg/L (ppm)

LCS=LABORATORY CONTROL SPIKE

LCSD=LABORATORY CONTROL SPIKE DUPLICATE

RPD = RELATIVE PERCENT DEVIATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH, EPA 8015 mod.

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell E9170
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/22/93
Date of Analysis: 1/22/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
KEROSINE	ND	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH, EPA 8015 mod.

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell E9170
Sample ID: Taco Bell MW #4
Lab ID: 930009

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: 1/22/93
Date of Analysis: 1/22/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT
		mg/L (ppm)
KEROSINE	ND	.5
DIESEL	ND	.5

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: TPH MATRIX SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell E9170
Sample ID: N/A
Lab ID: LCS/LCSD

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/22/93
Date of Analysis: 1/22/93
Matrix: WATER

COMPOUND	CONC SPIKED (mg/L)	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
KEROSINE	100	60	57	60%	57%	5%
DIESEL	100	58	63	58%	63%	8%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1, OIL & GREASE by IR SPECTROPHOTOMETER

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/20/93
Date of Analysis: 1/21/93
Matrix: WATER

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	ND	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1, OIL & GREASE by IR SPECTROPHOTOMETER

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: Taco Bell MW#4
Lab ID: 930009

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: 1/20/93
Date of Analysis: 1/21/93
Matrix: WATER

COMPOUND	(mg/L) (ppm)	REPORTING LIMIT (ppm)
OIL & GREASE	ND	0.5

NOTE: (ND) NOT DETECTED AT OR ABOVE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: EPA 418.1; OIL & GREASE SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell
Sample ID: N/A
Lab ID: LCS/LCSD

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/20/93
Date of Analysis: 1/21/93
Matrix: WATER

COMPOUND	CONC SPIKED	CONC MEASURED		PERCENT RECOVERY		
		LCS	LCSD	LCS	LCSD	RPD
OIL & GREASE	10	11.05	11.05	111%	111%	0%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS CAM 5 TTLC

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell E9170
Sample ID: N/A
Lab ID: Method Blank

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/22/93
Date of Analysis: 1/26/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
CADMIUM	ND	.01	7130
CHROMIUM	ND	.02	7190
LEAD	ND	.05	7420
NICKEL	ND	.02	7520
ZINC	ND	.08	7920

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS CAM 5 TTLC

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell E9170
Sample ID: MW #4
Lab ID: 930010

Date Sampled: 1/19/93
Date Received: 1/19/93
Date Extracted: 1/22/93
Date of Analysis: 1/26/93
Matrix: WATER

COMPOUND	mg/L (ppm)	REPORTING LIMIT	Method
		mg/L (ppm)	
CADMIUM	ND	.01	7130
CHROMIUM	ND	.02	7190
LEAD	ND	.05	7420
NICKEL	ND	.02	7520
ZINC	ND	.08	7920

NOTE: (ND) NOT DETECTED AT OR ABOVE THE REPORTING LIMITS.

MATRIX ENVIRONMENTAL LABORATORIES

ANALYSIS: METALS LABORATORY CONTROL SPIKE SUMMARY

CLIENT: LRA Environmental
CONTACT: B. Nicholson
COC No: 3736
Project No: Taco Bell E9170
Sample ID: N/A
Lab ID: LCS/LCSD

Date Sampled: N/A
Date Received: N/A
Date Extracted: 1/22/93
Date of Analysis: 1/26/93
Matrix: WATER

COMPOUND	CONC SPIKED (PPM)	CONC MEASURED		PERCENT RECOVERY		RPD
		LCS	LCSD	LCS	LCSD	
CADMIUM	3.6	3.41	3.35	95%	93%	2%
CHROMIUM	3.6	3.41	3.36	95%	93%	1%
LEAD	3.6	3.29	3.34	91%	93%	2%
NICKEL	3.6	3.29	3.33	91%	93%	1%
ZINC	1.8	1.57	1.55	87%	86%	1%

LCS= LABORATORY CONTROL SPIKE
LCSD= LABORATORY CONTROL SPIKE DUPLICATE
RPD= RELATIVE PERCENT DIFFERENCE
CONC= CONCENTRATION