



3164 Gold Camp Drive, Suite 200
 Rancho Cordova, California 95670
 Phone: (916) 638-2085
 Fax: (916) 638-8385

FAX TRANSMITTAL FORM

DATE: 3/21/01
 RECIPIENT: Bob Weston / Brett Beardlee
 COMPANY: Alameda Co / Delta
 RECIPIENT FAX NO: (510) 582-6977
 SENDER: Steven Meeks
 NO. OF PAGES TO FOLLOW: 18
 SUBJECT: Analytical Results
 DELTA PROJECT NO: _____

MESSAGE:

Here are the results from the dispensors of concern (on Castro Valley Blvd side) and the product line samples from these dispensors leading back to the tank pit. A site map is forthcoming. Also included is a tank pit water sample, Baker tank sample, and stockpile. For the other samples they are currently on an expedited 5 day TAT, but can be moved forward if needed.

Please call me to discuss at

(916) 536-2613

Steven Meeks



Sequoia Analytical

819 Striker Avenue, Suite B
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequiolabs.com

March 21, 2001

Steven Meeks
Delta Environmental Consultants(Rancho Cordova)
3164 Gold Camp Drive Ste. 200
Rancho Cordova, CA 95670
RE: ARCO 4977, Castro Valley, CA / S103306

Enclosed are the results of analyses for samples received by the laboratory on 03/16/01. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ron Chew
Client Services Representative

Lito Diaz
Laboratory Director

CA ELAP Certificate Number 1624





Sequoia Analytical

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Delta Environmental Consultants/Rancho Cordova
3164 Gold Camp Drive Ste. 200
Rancho Cordova CA, 95670

Project: ARCO 4977, Castro Valley, CA
Project Number: N/A
Project Manager: Steven Meeks

Reported:
03/21/01 12:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DP-1-6.0	S103306-01	Soil	03/15/01 12:20	03/16/01 11:55
DP-2-6.0	S103306-02	Soil	03/15/01 13:30	03/16/01 11:55
PL-1-6.0	S103306-03	Soil	03/15/01 15:45	03/16/01 11:55
PL-2-5.0	S103306-04	Soil	03/15/01 13:20	03/16/01 11:55
PL-3-5.5	S103306-05	Soil	03/15/01 15:40	03/16/01 11:55
PL-9-5.0	S103306-06	Soil	03/15/01 15:20	03/16/01 11:55
STK-A1,-2,-3,-4 (Composite)	S103306-07	Soil	03/15/01 16:45	03/16/01 11:55
STK-B	S103306-08	Soil	03/15/01 17:00	03/16/01 11:55
Tank 1-9.0	S103306-09	Water	03/15/01 10:35	03/16/01 11:55
Tank 2	S103306-10	Water	03/15/01 16:30	03/16/01 11:55




 Delta Environmental Consultants(Rancho Cordova
 3164 Gold Camp Drive Ste. 200
 Rancho Cordova CA, 95670

 Project: ARCO 4977, Castro Valley, CA
 Project Number: N/A
 Project Manager: Steven Meeks

 Reported:
 03/21/01 12:02

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
STK-A1,-2,-3,-4 (Composite) (S103306-07) Soil Sampled: 03/15/01 16:45 Received: 03/16/01 11:55									
Purgeable Hydrocarbons	884	50.0	mg/kg	50	1030248	03/19/01	03/19/01	DHS LUFT	P-04
Benzene	ND	0.250	"	"	"	"	"	"	"
Toluene	ND	0.250	"	"	"	"	"	"	"
Ethylbenzene	12.7	0.250	"	"	"	"	"	"	"
Xylenes (total)	32.1	0.250	"	"	"	"	"	"	"
Surrogate: <i>a,a,a</i> -Trifluorotoluene		107 %	60-140	"	"	"	"	"	"
STK-B (S103306-08) Soil Sampled: 03/15/01 17:00 Received: 03/16/01 11:55									
Purgeable Hydrocarbons	14.8	1.00	mg/kg	1	1030248	03/19/01	03/19/01	DHS LUFT	P-03
Benzene	0.0572	0.00500	"	"	"	"	"	"	"
Toluene	0.0231	0.00500	"	"	"	"	"	"	"
Ethylbenzene	0.175	0.00500	"	"	"	"	"	"	"
Xylenes (total)	0.116	0.00500	"	"	"	"	"	"	"
Surrogate: <i>a,a,a</i> -Trifluorotoluene		85.5 %	60-140	"	"	"	"	"	"




 Delta Environmental Consultants(Rancho Cordova
 3164 Gold Camp Drive Ste. 200
 Rancho Cordova CA, 95670

 Project: ARCO 4977, Castro Valley, CA
 Project Number: N/A
 Project Manager: Steven Meeks

 Reported:
 03/21/01 12:02

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-1-6.0 (S103306-01) Soil Sampled: 03/15/01 12:20 Received: 03/16/01 11:55									
Purgeable Hydrocarbons	235	5.00	mg/kg	5	1030248	03/19/01	03/19/01	DHS LUFT	P-03
Benzene	0.946	0.0250	"	"	"	"	"	"	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	5.14	0.0250	"	"	"	"	"	"	
Xylenes (total)	3.52	0.0250	"	"	"	"	"	"	
Methyl tert-butyl ether	1.39	0.250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		138 %	60-140	"	"	"	"	"	
DP-2-6.0 (S103306-02) Soil Sampled: 03/15/01 13:30 Received: 03/16/01 11:55									
Purgeable Hydrocarbons	1450	200	mg/kg	200	1030248	03/19/01	03/19/01	DHS LUFT	P-04
Benzene	8.05	1.00	"	"	"	"	"	"	
Toluene	2.17	1.00	"	"	"	"	"	"	
Ethylbenzene	37.3	1.00	"	"	"	"	"	"	
Xylenes (total)	127	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	10.0	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		112 %	60-140	"	"	"	"	"	
PL-1-6.0 (S103306-03) Soil Sampled: 03/15/01 15:45 Received: 03/16/01 11:55									
Purgeable Hydrocarbons	398	20.0	mg/kg	20	1030248	03/19/01	03/19/01	DHS LUFT	P-04
Benzene	1.79	0.100	"	"	"	"	"	"	
Toluene	ND	0.100	"	"	"	"	"	"	
Ethylbenzene	9.46	0.100	"	"	"	"	"	"	
Xylenes (total)	28.7	0.100	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.00	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		99.0 %	60-140	"	"	"	"	"	




 Delta Environmental Consultants(Rancho Cordova
 3164 Gold Camp Drive Ste. 200
 Rancho Cordova CA, 95670

 Project: ARCO 4977, Castro Valley, CA
 Project Number: N/A
 Project Manager: Steven Meeks

 Reported:
 03/21/01 12:02

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PL-2-5.0 (S103306-04) Soil Sampled: 03/15/01 13:20 Received: 03/16/01 11:55									
Purgeable Hydrocarbons	1140	50.0	mg/kg	50	1030248	03/19/01	03/19/01	DHS LUFT	P-04
Benzene	3.01	0.250	"	"	"	"	"	"	"
Toluene	ND	0.250	"	"	"	"	"	"	"
Ethylbenzene	25.8	0.250	"	"	"	"	"	"	"
Xylenes (total)	63.7	0.250	"	"	"	"	"	"	"
Methyl tert-butyl ether	6.33	2.50	"	"	"	"	"	"	"
Surrogate: a,a,a-Trifluorotoluene		117 %	60-140	"	"	"	"	"	"
PL-3-5.5 (S103306-05) Soil Sampled: 03/15/01 15:40 Received: 03/16/01 11:55									
Purgeable Hydrocarbons	530	50.0	mg/kg	50	1030248	03/19/01	03/19/01	DHS LUFT	P-04
Benzene	ND	0.250	"	"	"	"	"	"	"
Toluene	0.947	0.250	"	"	"	"	"	"	"
Ethylbenzene	11.0	0.250	"	"	"	"	"	"	"
Xylenes (total)	9.76	0.250	"	"	"	"	"	"	"
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	"
Surrogate: a,a,a-Trifluorotoluene		108 %	60-140	"	"	"	"	"	"
PL-9-5.0 (S103306-06) Soil Sampled: 03/15/01 15:20 Received: 03/16/01 11:55									
Purgeable Hydrocarbons	295	50.0	mg/kg	50	1030248	03/19/01	03/19/01	DHS LUFT	P-03
Benzene	0.820	0.250	"	"	"	"	"	"	"
Toluene	ND	0.250	"	"	"	"	"	"	"
Ethylbenzene	3.64	0.250	"	"	"	"	"	"	"
Xylenes (total)	1.67	0.250	"	"	"	"	"	"	"
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	"
Surrogate: a,a,a-Trifluorotoluene		105 %	60-140	"	"	"	"	"	"




 Delta Environmental Consultants(Rancho Cordova
 3164 Gold Camp Drive Ste. 200
 Rancho Cordova CA, 95670

 Project: ARCO 4977, Castro Valley, CA
 Project Number: N/A
 Project Manager: Steven Meeks

 Reported:
 03/21/01 12:02

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Task 1-9.0 (S103306-09) Water Sampled: 03/15/01 10:35 Received: 03/16/01 11:55									
Purgeable Hydrocarbons	40500	10000	ug/l	200	1030291	03/21/01	03/21/01	DHS LUFT	P-02
Benzene	ND	100	"	"	"	"	"	"	"
Toluene	1840	100	"	"	"	"	"	"	"
Ethylbenzene	375	100	"	"	"	"	"	"	"
Xylenes (total)	2880	100	"	"	"	"	"	"	"
Methyl tert-butyl ether	6530	500	"	"	"	"	"	"	"
Surrogate: <i>a,a,a</i> -Trifluorotoluene		93.6%		60-140	"	"	"	"	"
Task 2 (S103306-10) Water Sampled: 03/15/01 16:30 Received: 03/16/01 11:55									
Purgeable Hydrocarbons	13600	5000	ug/l	100	1030292	03/20/01	03/20/01	DHS LUFT	P-02
Benzene	232	50.0	"	"	"	"	"	"	"
Toluene	2100	50.0	"	"	"	"	"	"	"
Ethylbenzene	233	50.0	"	"	"	"	"	"	"
Xylenes (total)	1610	50.0	"	"	"	"	"	"	"
Methyl tert-butyl ether	13900	250	"	"	"	"	"	"	"
Surrogate: <i>a,a,a</i> -Trifluorotoluene		103%		60-140	"	"	"	"	"





Sequoia Analytical

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Delta Environmental Consultants(Rancho Cordova
3164 Gold Camp Drive Ste. 200
Rancho Cordova CA, 95670

Project: ARCO 4977, Castro Valley, CA
Project Number: N/A
Project Manager: Steven Meeks

Reported:
03/21/01 12:02

Total Metals by EPA 6000/7000 Series Methods Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
DP-1-6.0 (S103306-01) Soil Sampled: 03/15/01 12:20 Received: 03/16/01 11:55									
Lead	ND	12.5	mg/kg	5	1030254	03/19/01	03/20/01	EPA 6010A	
DP-2-6.0 (S103306-02) Soil Sampled: 03/15/01 13:30 Received: 03/16/01 11:55									
Lead	ND	10.0	mg/kg	4	1030254	03/19/01	03/20/01	EPA 6010A	
PL-1-6.0 (S103306-03) Soil Sampled: 03/15/01 15:45 Received: 03/16/01 11:55									
Lead	ND	10.0	mg/kg	4	1030254	03/19/01	03/20/01	EPA 6010A	
PL-2-6.0 (S103306-04) Soil Sampled: 03/15/01 13:20 Received: 03/16/01 11:55									
Lead	ND	10.0	mg/kg	4	1030254	03/19/01	03/20/01	EPA 6010A	
PL-3-5.5 (S103306-05) Soil Sampled: 03/15/01 15:40 Received: 03/16/01 11:55									
Lead	ND	12.5	mg/kg	5	1030254	03/19/01	03/20/01	EPA 6010A	
PL-9-5.0 (S103306-06) Soil Sampled: 03/15/01 15:20 Received: 03/16/01 11:55									
Lead	ND	10.0	mg/kg	4	1030254	03/19/01	03/20/01	EPA 6010A	
STK-A1,-2,-3,-4 (Composite) (S103306-07) Soil Sampled: 03/15/01 16:45 Received: 03/16/01 11:55									
Lead	ND	10.0	mg/kg	4	1030254	03/19/01	03/20/01	EPA 6010A	
STK-B (S103306-08) Soil Sampled: 03/15/01 17:00 Received: 03/16/01 11:55									
Lead	ND	10.0	mg/kg	4	1030254	03/19/01	03/20/01	EPA 6010A	

Sequoia Analytical - Sacramento

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Sequoia Analytical

819 Striker Avenue, Suite 8
 Sacramento, CA 95834
 (916) 921-9600
 FAX (916) 921-0100
 www.sequoialabs.com

Delta Environmental Consultants(Rancho Cordova 3164 Gold Camp Drive Ste. 200 Rancho Cordova CA. 95670	Project: ARCO 4977, Castro Valley, CA Project Number: N/A Project Manager: Steven Meeks	Reported: 03/21/01 12:02
---	---	-----------------------------

Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT - Quality Control Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	------------	-----	-----------	-------

Batch 1030248 - EPA 5030B (MeOH)

Blank (1030248-BLK1)				Prepared & Analyzed: 03/19/01						
Purgeable Hydrocarbons	ND	1.00	mg/kg							
Benzene	ND	0.00500	"							
Toluene	ND	0.00500	"							
Ethylbenzene	ND	0.00500	"							
Xylenes (total)	ND	0.00500	"							

Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.216	"	"	0.200	"	108	60-140	"	"	"
---	-------	---	---	-------	---	-----	--------	---	---	---

LCS (1030248-BS1)

				Prepared & Analyzed: 03/19/01						
Benzene	0.208	0.00500	mg/kg	0.200		104	70-130			
Toluene	0.218	0.00500	"	0.200		109	70-130			
Ethylbenzene	0.230	0.00500	"	0.200		115	70-130			
Xylenes (total)	0.592	0.00500	"	0.600		98.7	70-130			

Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.227	"	"	0.200	"	113	60-140	"	"	"
---	-------	---	---	-------	---	-----	--------	---	---	---

Matrix Spike (1030248-MS1)

				Source: S103307-09		Prepared & Analyzed: 03/19/01				
Benzene	0.171	0.00500	mg/kg	0.200	ND	85.5	60-140			
Toluene	0.188	0.00500	"	0.200	ND	94.0	60-140			
Ethylbenzene	0.204	0.00500	"	0.200	0.00644	98.8	60-140			
Xylenes (total)	0.535	0.00500	"	0.600	0.00558	88.2	60-140			

Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.191	"	"	0.200	"	95.5	60-140	"	"	"
---	-------	---	---	-------	---	------	--------	---	---	---

Matrix Spike Dup (1030248-MSD1)

				Source: S103307-09		Prepared & Analyzed: 03/19/01				
Benzene	0.185	0.00500	mg/kg	0.200	ND	92.5	60-140	7.87	25	
Toluene	0.197	0.00500	"	0.200	ND	98.5	60-140	4.68	25	
Ethylbenzene	0.212	0.00500	"	0.200	0.00644	103	60-140	3.85	25	
Xylenes (total)	0.541	0.00500	"	0.600	0.00558	89.2	60-140	1.12	25	

Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.219	"	"	0.200	"	109	60-140	"	"	"
---	-------	---	---	-------	---	-----	--------	---	---	---




 Delta Environmental Consultants(Rancho Cordova
 3164 Gold Camp Drive Ste. 200
 Rancho Cordova CA, 95670

 Project: ARCO 4977, Castro Valley, CA
 Project Number: N/A
 Project Manager: Steven Meeks

 Reported:
 03/21/01 12:02

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%RRC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1030248 - EPA 5030B (MeOH)

Blank (1030248-BLK1)

Prepared & Analyzed: 03/19/01

Purgeable Hydrocarbons	ND	1.00	mg/kg							
Benzene	ND	0.00500	"							
Toluene	ND	0.00500	"							
Ethylbenzene	ND	0.00500	"							
Xylenes (total)	ND	0.00500	"							
Methyl tert-butyl ether	ND	0.0500	"							
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.216		"	0.200		108	60-140			

LCS (1030248-BS1)

Prepared & Analyzed: 03/19/01

Benzene	0.208	0.00500	mg/kg	0.200	ND	104	70-130			
Toluene	0.218	0.00500	"	0.200	ND	109	70-130			
Ethylbenzene	0.230	0.00500	"	0.200	0.00644	115	70-130			
Xylenes (total)	0.592	0.00500	"	0.600	0.00558	98.7	70-130			
Methyl tert-butyl ether	0.193	0.0500	"	0.200	0.0503	96.5	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.227		"	0.200		113	60-140			

Matrix Spike (1030248-MS1)

Source: S103307-09

Prepared & Analyzed: 03/19/01

Benzene	0.171	0.00500	mg/kg	0.200	ND	85.5	60-140			
Toluene	0.188	0.00500	"	0.200	ND	94.0	60-140			
Ethylbenzene	0.204	0.00500	"	0.200	0.00644	98.8	60-140			
Xylenes (total)	0.535	0.00500	"	0.600	0.00558	88.2	60-140			
Methyl tert-butyl ether	0.207	0.0500	"	0.200	0.0503	78.4	60-140			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.191		"	0.200		95.5	60-140			

Matrix Spike Dup (1030248-MSD1)

Source: S103307-09

Prepared & Analyzed: 03/19/01

Benzene	0.185	0.00500	mg/kg	0.200	ND	92.5	60-140	7.87	25	
Toluene	0.197	0.00500	"	0.200	ND	98.5	60-140	4.68	25	
Ethylbenzene	0.212	0.00500	"	0.200	0.00644	103	60-140	3.85	25	
Xylenes (total)	0.541	0.00500	"	0.600	0.00558	89.2	60-140	1.12	25	
Methyl tert-butyl ether	0.220	0.0500	"	0.200	0.0503	89.9	60-140	10.5	25	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.219		"	0.200		109	60-140			

Sequoia Analytical - Sacramento

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Sequoia Analytical

819 Striker Avenue, Suite 8
 Sacramento, CA 95834
 (916) 921-9600
 FAX (916) 921-0100
 www.sequoialabs.com

Delta Environmental Consultants(Rancho Cordova 3164 Gold Camp Drive Ste. 200 Rancho Cordova CA, 95670	Project: ARCO 4977, Castro Valley, CA Project Number: N/A Project Manager: Steven Meeks	Reported: 03/21/01 12:02
---	---	-----------------------------

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1030291 - EPA 5030B (P/T)

Blank (1030291-BLK1) Prepared & Analyzed: 03/21/01										
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: <i>o,o,o</i> -Trifluorotoluene	9.63		"	10.0		96.3	60-140			

LCS (1030291-BS1)

Prepared & Analyzed: 03/21/01										
Benzene	8.49	0.500	ug/l	10.0		84.9	70-130			
Toluene	9.09	0.500	"	10.0		90.9	70-130			
Ethylbenzene	9.53	0.500	"	10.0		95.3	70-130			
Xylenes (total)	28.3	0.500	"	30.0		94.3	70-130			
Methyl tert-butyl ether	8.72	2.50	"	10.0		87.2	70-130			
Surrogate: <i>o,o,o</i> -Trifluorotoluene	9.21		"	10.0		92.1	60-140			

Batch 1030292 - EPA 5030B (P/T)

Blank (1030292-BLK1) Prepared & Analyzed: 03/20/01										
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: <i>o,o,o</i> -Trifluorotoluene	9.89		"	10.0		98.9	60-140			





Sequoia Analytical

819 Sutter Avenue, Suite B
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.comDelta Environmental Consultants(Rancho Cordova
3164 Gold Camp Drive Ste. 200
Rancho Cordova CA, 95670Project: ARCO 4977, Castro Valley, CA
Project Number: N/A
Project Manager: Steven MocksReported:
03/21/01 12:02

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1030292 - EPA 5030B (P/T)**LCS (1030292-BS1)**

Prepared & Analyzed: 03/20/01

Benzene	9.69	0.500	ug/l	10.0		96.9	70-130			
Toluene	10.0	0.500	"	10.0		100	70-130			
Ethylbenzene	10.3	0.500	"	10.0		103	70-130			
Xylenes (total)	31.7	0.500	"	30.0		106	70-130			
Methyl tert-butyl ether	8.95	2.50	"	10.0		89.5	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.66		"	10.0		96.6	60-140			

Matrix Spike (1030292-MS1)

Source: S103206-13

Prepared & Analyzed: 03/20/01

Benzene	8.50	0.500	ug/l	10.0	ND	85.0	60-140			
Toluene	9.20	0.500	"	10.0	ND	92.0	60-140			
Ethylbenzene	9.51	0.500	"	10.0	ND	95.1	60-140			
Xylenes (total)	29.4	0.500	"	30.0	ND	98.0	60-140			
Methyl tert-butyl ether	ND	2.50	"	10.0	ND		60-140			Q-03
Surrogate: <i>a,a,a</i> -Trifluorotoluene	10.3		"	10.0		103	60-140			

Matrix Spike Dup (1030292-MSD1)

Source: S103206-13

Prepared & Analyzed: 03/20/01

Benzene	8.55	0.500	ug/l	10.0	ND	85.5	60-140	0.587	25	
Toluene	9.23	0.500	"	10.0	ND	92.3	60-140	0.326	25	
Ethylbenzene	9.56	0.500	"	10.0	ND	95.6	60-140	0.324	25	
Xylenes (total)	29.5	0.500	"	30.0	ND	98.3	60-140	0.340	25	
Methyl tert-butyl ether	ND	2.50	"	10.0	ND		60-140		25	Q-03
Surrogate: <i>a,a,a</i> -Trifluorotoluene	10.1		"	10.0		101	60-140			

Sequoia Analytical - Sacramento

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





Delta Environmental Consultants (Rancho Cordova)
3164 Gold Camp Drive Ste. 200
Rancho Cordova CA, 95670

Project: ARCO 4977, Castro Valley, CA
Project Number: N/A
Project Manager: Steven Meeks

Reported:
03/21/01 12:02

**MTBE Confirmation by EPA Method 8260A - Quality Control
Sequoia Analytical - Sacramento**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Batch 1030263 - EPA 5030B [P/T]										
Blank (1030263-BLK1) Prepared & Analyzed: 03/20/01										
Methyl tert-butyl ether	ND	2.00	ug/l							
Surrogate: 1,2-DCA-d4	48.3		"	50.0		97.0	60-140			
LCS (1030263-BS1) Prepared & Analyzed: 03/20/01										
Methyl tert-butyl ether	55.0	2.00	ug/l	50.0		110	70-130			
Surrogate: 1,2-DCA-d4	48.3		"	50.0		96.6	60-140			
LCS Dup (1030263-BSD1) Prepared & Analyzed: 03/20/01										
Methyl tert-butyl ether	54.3	2.00	ug/l	50.0		109	70-130	1.28	25	
Surrogate: 1,2-DCA-d4	47.0		"	50.0		94.0	60-140			
Batch 1030269 - EPA 5030B [MeOH]										
Blank (1030269-BLK1) Prepared & Analyzed: 03/20/01										
Methyl tert-butyl ether	ND	0.100	mg/kg							
Surrogate: 1,2-DCA-d4	2.40		"	2.50		96.0	60-140			
LCS (1030269-BS1) Prepared & Analyzed: 03/20/01										
Methyl tert-butyl ether	2.64	0.100	mg/kg	2.50		106	70-130			
Surrogate: 1,2-DCA-d4	2.40		"	2.50		96.0	60-140			





**Sequoia
Analytical**

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Delta Environmental Consultants(Rancho Cordova
3164 Gold Camp Drive Ste. 200
Rancho Cordova CA, 95670

Project: ARCO 4977, Castro Valley, CA
Project Number: N/A
Project Manager: Steven Meeks

Reported:
03/21/01 12:02

Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1030254 - EPA 3050B										
Blank (1030254-BLK1)										
Lead	ND	2.50	mg/kg							Prepared: 03/19/01 Analyzed: 03/20/01
LCS (1030254-BS1)										
Lead	49.1	2.50	mg/kg	50.0		98.2	80-120			
Matrix Spike (1030254-MS1)										
Lead	41.0	10.0	mg/kg	50.0	ND	71.5	80-120			Q-02
Matrix Spike Dup (1030254-MSD1)										
Lead	36.4	10.0	mg/kg	50.0	ND	62.3	80-120	11.9	20	Q-02

Sequoia Analytical - Sacramento

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





**Sequoia
Analytical**

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Delta Environmental Consultants(Rancho Cordova
3164 Gold Camp Drive Ste. 200
Rancho Cordova CA, 95670

Project: ARCO 4977, Castro Valley, CA
Project Number: N/A
Project Manager: Steven Meeks

Reported:
03/21/01 12:02

Notes and Definitions

- P-02 Chromatogram Pattern: Weathered Gasoline C6-C12
- P-03 Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
- P-04 Chromatogram Pattern: Weathered Gasoline C6-C12 + Unidentified Hydrocarbons C6-C12
- Q-02 The RPD and/or spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
- Q-03 The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte already present in the sample.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference



ARCO Facility no. **4977** City (Facility) **CASTRO VALLEY** Project manager (Consultant) **STEVE MEEKS**
 ARCO engineer **PAUL SUPPLE** Telephone no. (ARCO) **(925) 297-8891** Telephone no. (Consultant) **(916) 536-2613** Fax no. (Consultant) **(916) 678-8385**
 Consultant name **DELTA ENVIRONMENTAL** Address (Consultant) **3166 GOLD CAMP DR. RAVENHILL CONCORDIA CA**

Laboratory name
SEQUOIA
Contract number

Sample I.D.	Lab no.	Container no.	Matrix			Preservation		Sampling date	Sampling time	BTEX 002/EPA 8020	BTEX/THM/MTBE EPA Method 8210/815	TPH Modified 8015 Gas <input type="checkbox"/> Diesel <input type="checkbox"/>	Oil and Grease 413.1 <input type="checkbox"/> 413.2 <input type="checkbox"/>	TPH EPA 418.1/5MGOBEE	EPA 801/810	EPA 804/840	EPA 805/820	TCAP Metals Semi CVA CVA CVA CVA CVA CVA CVA CVA	CVA Metals EPA Method 8210/815 TLCC <input type="checkbox"/> TLCC <input type="checkbox"/>	Lead Org./MS <input type="checkbox"/> Lead EPK 7420/7421 <input type="checkbox"/>	Method of shipment	
			Soil	Water	Other	Ice	Acid															
TANK 1																						HAND
TANK 2																						
TANK 1-AD	4			X		X	3/15/01	1035		X												Special QA/QC
TANK 2	4			X		X	↓	1630		X												
																						Lab number
																						Turnaround time

Condition of sample: _____ Temperature received: **90°C**

Relinquished by sampler Paul Supple / DELTA	Date	Time	Received by	Date	Time
	3/16/01	1155	Monica Gageen	3/16/01	1155
Relinquished by	Date	Time	Received by	Date	Time

Priority Rush 1 Business Day
 Rush 2 Business Days
 Expedited 5 Business Days
 Standard 10 Business Days