



CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

April 30, 2010

Jocy Davila
Jade Construction
2507 N. Crown Circle
Carlsbad, NM 88221

Re: Giant Operating

Enclosed are the results of analyses for sample number H19749, received by the laboratory on 04/23/10.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.

ANALYTICAL RESULTS FOR
 JADE CONSTRUCTION
 ATTN: JOEY DAVILA
 2507 N. CROWN CIRCLE
 CARLSBAD, NM 88221
 FAX TO (575) 234-0376

 Receiving Date: 04/23/10
 Reporting Date: 04/29/10
 Project Owner: NOT GIVEN
 Project Name: GIANT OPERATING
 Project Location: HANAGAN #1

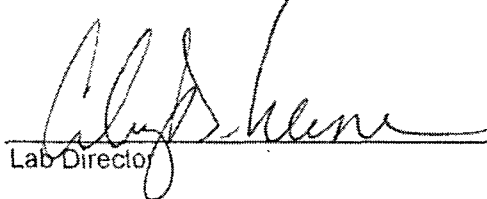
 Sampling Date: 04/22/10
 Sample Type: SOIL
 Sample Condition: COOL & INTACT @ 2°C
 Sample Received By: JH
 Analyzed By: AB/ZL/HM

LAB NO.	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	CI*
ANALYSIS DATE:		04/28/10	04/28/10	04/28/10	04/28/10	04/28/10	04/28/10	04/27/10
H19749-1	BH-1	<50.0	1,690	<0.050	0.581	0.219	1.79	4,880
H19749-2	BH-2	<10.0	79.0	<0.050	0.139	0.099	0.793	1,170
H19749-3	BH-3	595	4,530	0.964	23.3	5.34	20.7	6,720
H19749-4	BH-4	<50.0	2,380	0.123	3.15	0.610	2.56	5,600
H19749-5	BH-5	901	3,320	0.285	4.77	3.71	14.6	11,200
H19749-6	BH-6	<50.0	4,560	<0.050	0.559	0.254	1.11	4,960
H19749-7	SW-1	<10.0	432	<0.050	<0.050	<0.050	<0.300	2,680
H19749-8	SW-2	<10.0	1,310	<0.050	<0.050	<0.050	<0.300	5,120
H19749-9	SW-3	<10.0	187	<0.050	<0.050	<0.050	<0.300	10,200
H19749-10	SW-4	<50.0	3,660	<0.050	1.74	0.748	2.25	3,840
Quality Control		596	569	0.051	0.045	0.047	0.145	500
True Value QC		500	500	0.050	0.050	0.050	0.150	500
% Recovery		119	114	102	90.0	94.0	96.7	100
Relative Percent Difference		0.6	1.1	1.8	<1.0	4.2	8.4	2.0

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; CI-: Std. Methods 4500-CI-B

*Analyses performed on 1:4 w/v aqueous extracts. Reported on wet weight.

 TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
 AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.


 Lab Director

 04/30/10
 Date

H19749 TBCL JADE



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 Fax (575) 393-2476

Page ____ of ____

Company Name: <u>Jade Construction</u>				BILL TO		ANALYSIS REQUEST																			
Project Manager: <u>Joey Davila</u>				P.O. #:																					
Address: <u>2507 N. Crown Circle</u>				Company:																					
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88221</u>				Attn:																					
Phone #: <u>234-0375</u> Fax #: <u>234-0376</u>				Address:																					
Project #: _____ Project Owner: _____				City:																					
Project Name: <u>Giant Operating</u>				State: _____ Zip: _____																					
Project Location: <u>HANAGAN #1</u>				Phone #:																					
Sampler Name: _____				Fax #:																					
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX					PRESERV.	SAMPLING		TPH	BTX	CI-											
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL				OTHER	DATE	TIME								
H19749-1	BH-1	C	1			X				X						4/22/10		X	X	X					
2	BH-2	C	1			X				X						"		X	X	X					
3	BH-3	C	1			X				X						"		X	X	X					
4	BH-4	C	1			X				X						"		X	X	X					
5	BH-5	C	1			X				X						"		X	X	X					
6	BH-6	C	1			X				X						"		X	X	X					
7	SW-1	C	1			X				X						"		X	X	X					
8	SW-2	C	1			X				X						"		X	X	X					
9	SW-3	C	1			X				X			"		X	X	X								
10	SW-4	C	1			X				X			"		X	X	X								

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Sampler Relinquished:		Date:	Received By:	Phone Result:	☐ No	Add'l Phone #:
		Time:		Fax Result:	☐ No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:		
		Time:				
Delivered By: (Circle One)		Sample Condition		CHECKED BY:		
Sampler - UPS - Bus - Other:		Cool / Intact		(Initials)		
		Yes ☒ No ☐				

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

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