



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

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO (575) 397-0397

Receiving Date: 10/20/09
Reporting Date: 10/23/09
Project Owner: OXY
Project Name: V.F. VANDA I #11
Project Location: TEAGUE SWITCH

Sampling Date: 10/16/09
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 3.5°C
Sample Received By: ML
Analyzed By: AB/ZU/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)	Cl ⁻ (mg/kg)
ANALYSIS DATE:		10/22/09	10/22/09	10/23/09	10/23/09	10/23/09	10/23/09	10/22/09
H18547-1	SP1 SURFACE	<10.0	56.2	<0.050	<0.050	<0.050	<0.300	< 16
H18547-2	SP1 @ 1FT	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	< 16
H18547-3	SP2 @ SURFACE	<50.0	4,520	<0.050	<0.050	<0.050	<0.300	2,480
H18547-4	SP2 @ 1FT	<10.0	78.6	<0.050	<0.050	<0.050	<0.300	64
H18547-5	SP3 @ SURFACE	<10.0	721	<0.050	<0.050	<0.050	<0.300	2,800
H18547-6	SP3 @ 1FT	<10.0	48.3	<0.050	<0.050	<0.050	<0.300	48
H18547-7	SP5 @ SURFACE	<50.0	1,990	<0.050	<0.050	<0.050	<0.300	2,800
H18547-8	SP5 @ 1FT	<10.0	142	<0.050	<0.050	<0.050	<0.300	272
H18547-9	SP6 @ SURFACE	<50.0	4,710	0.135	1.73	1.43	3.61	5,800
H18547-10	SP6 @ 2FT	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	64
Quality Control		493	534	0.044	0.043	0.043	0.123	500
True Value QC		500	500	0.050	0.050	0.050	0.150	500
% Recovery		98.6	107	88.0	86.0	86.0	82.0	100
Relative Percent Difference		3.0	3.0	8.9	11.0	7.1	5.1	< 0.1

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

Date

H18547 TBCL BBC

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																		
Project Manager: Cliff Brunson				P.O. #:																						
Address: P.O. Box 805				Company:																						
City: Hobbs		State: NM Zip: 88241		Attn:																						
Phone #: 575-397-6388		Fax #: 575-397-0397		Address: <i>Jene</i>																						
Project #:		Project Owner: <i>Oxy</i>		City:																						
Project Name: <i>V.H. Ward I #11</i>				State: Zip:																						
Project Location: <i>Teggie Luntch</i>				Phone #:																						
Sampler Name: <i>Vett Ornelas</i>				Fax #:																						
FOR LAB USE ONLY																										
Lab I.D.	Sample I.D.	(G/RAB OR) (# CONTAINERS)	MATRIX					PRESERV	SAMPLING	DATE	TIME															
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:															ICE / COOL	OTHER:	
H185H7-1	<i>Sp1 @ Surface</i>	G-1		X				X		10-16-09	8:08	X	X	X												
-2	<i>Sp1 @ 1ft</i>	G-1		X				X			8:19	X	X	X												
-3	<i>Sp2 @ Surface</i>	G-1		X				X			8:51	X	X	X												
-4	<i>Sp2 @ 1ft</i>	G-1		X				X			9:15	X	X	X												
-5	<i>Sp3 @ Surface</i>	G-1		X				X			10:10	X	X	X												
-6	<i>Sp3 @ 1ft</i>	G-1		X				X			10:38	X	X	X												
-7	<i>Sp5 @ Surface</i>	G-1		X				X			1:45	X	X	X												
-8	<i>Sp5 @ 1ft</i>	G-1		X				X			2:02	X	X	X												
-9	<i>Sp6 @ Surface</i>	G-1		X				X			2:58	X	X	X												
-10	<i>Sp6 @ 2ft</i>	G-1		X				X			3:41	X	X	X												

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Relinquished By: <i>Vett Ornelas</i>	Date: <i>10-20-09</i>	Received By: <i>Nicky LeBout</i>	Phone Result: ☐ Yes ☒ No	Add'l Phone #:
Fax Result: ☐ Yes ☒ No	Add'l Fax #:	REMARKS:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool Intact ☒ Yes ☐ No ☐ Yes ☒ No	CHECKED BY: (Initials) <i>[Signature]</i>
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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

October 26, 2009

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

Re: V.F. Vanda I #11 (Oxy)

Enclosed are the results of analyses for sample number H18547, received by the laboratory on 10/20/09.

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 though 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.