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SITE ASSESSMENT,
REMEDIATION &
REVITALIZATION

CRB
GEOLOGICAL & ENVIRONMENTAL SERVICES, INC.

November 28, 2012

Mr. Jonathan McInnis
Site Assessment Section
SCDHEC – Bureau of Land & Waste Management
2600 Bull Street
Columbia, South Carolina 29201

Re: CRB Project No. BEA 414-26; Woven Electronics Initial Monitoring Report, Greenville County Site ID 18096, 1001 Old Stage Road, Simpsonville, South Carolina

Dear Mr. McInnis:

Pursuant to Monitoring Well Permit MW-08877 issued by the South Carolina Department of Health and Environmental Control (SCDHEC) on October 11, 2012, CRB Geological & Environmental Services, Inc. (CRB) is providing this Initial Monitoring Report for the above referenced Site. Based on the analytical results of groundwater samples, concentrations of the solvent tetrachloroethylene (PCE, aka "Perc") were identified at the Site at concentrations above the 5 microgram per liter (µg/L) Maximum Contaminant Level (MCL) for groundwater in South Carolina. A site location map is presented as Figure 1.

Site Summary

The Site was originally developed from vacant property circa 1963 as a textile and electronics manufacturer. The property was acquired during a purchase of Woven Electronics Corporation by BE Aerospace, Inc. (BEA), in September 2010. Facility records reviewed during a Phase I Environmental Site Assessment completed in 2010 indicated that chlorinated solvent waste was generated at the Site during the 1980s. Pursuant to the requirements of OSHAct's General Duty Clause (29 USC 654) to ensure safe working conditions CRB was retained to determine whether volatile organic compounds (VOCs) were present in soil gas. Shallow soil gas samples were collected in March 2011 and found to contain relatively low concentrations of PCE in an isolated area near the building. As a result of the soil gas concentrations, this groundwater investigation was performed to determine the nature of the PCE occurrence at the Site.

Groundwater Sampling

Groundwater samples were collected on November 14, 2012, from ten (10) monitoring wells which were installed under the supervision of CRB on November 1-2, 2012 by Sadaecco, Inc., a South Carolina Licensed Water Well Drilling Contractor. Well Construction Records will be submitted to the SC Bureau of Water directly from the drilling contractor. A summary of

monitoring well construction details is provided as Table 1. A Site Map and Monitoring Well location diagram is shown as Figure 2.

The monitoring wells were constructed using PVC screens and risers installed within the property boundary. The total depths of the well screens were selected to encounter shallow groundwater above the bedrock surface which ranged from thirty-one (31) feet to seventy (70) feet below ground.

Prior to sampling, depth-to-water measurements were collected from each well casing in order to determine groundwater flow directions at the Site. The depth-to-water measurements were measured relative to top of casing elevations as summarized in Table 1. Based on the initial measurements, groundwater flow is to the south-southwest and in the direction of a creek visible in aerial photographs and topographic maps. A groundwater elevation diagram is shown in Figure 3.

Prior to sampling, each monitoring was purged until pH, conductivity, ORP, oxygen and temperature stabilized. Groundwater samples were collected in laboratory pre-cleaned bottles and were delivered via overnight courier to ESC Lab Sciences, Inc., of Mt. Juliet, Tennessee, a SCDHEC certified analytical laboratory. The samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260. A chain of custody and laboratory analytical report is included in Attachment A.

Groundwater Analytical Results

Based on the laboratory analytical report provided in Attachment A, concentrations of PCE were reported from below detectable levels (BDL) up to 400 µg/L. As shown in Figure 4, concentrations appeared to extend from beneath the building to the southwest in the direction of groundwater flow. Near the building, the plume was defined to the west and east as BDL in MW-1, and at 1.3 µg/L in MW-3.

Low concentrations of the solvent 1,1-dichloroethene (11-DCE) were also detected and exceeded the MCL of 7 µg/L in two (2) groundwater samples. Concentrations of the Freon 113 solvent 1,1,2-trichlorotrifluoroethane (112-TCFM) up to 1,100 µg/L were also reported, which were below risk-based screening levels.

Conclusions & Recommendations

The relatively low concentrations of PCE do not appear to constitute an immediate health-risk to on-site workers. The concentrations of PCE in groundwater at the Site were attributed to an unknown past release, and the distribution of groundwater concentrations within the plume is consistent with a limited release which occurred more than ten (10) years ago. PCE has not been used since BEA's acquisition of the Site, and no evidence of PCE use or PCE containing waste was evident at the time of the property acquisition.

At the direction of BE Aerospace, Inc., CRB requests SCDHEC's assistance to begin participation in the Voluntary Cleanup Program in order to restore the Site to compliance with

applicable regulations. If you have any questions or comments please don't hesitate to contact one of us at (864) 283-2000.

Sincerely,
CRB Geological & Environmental Services, Inc.

Frederick R. Baddour, P.G.
Senior Project Manager

Robert Workman, P.G.
Project Manager

Attachments

Cc: Mr. Bill Miller, BE Aerospace, Inc.
Bob Hunt, Woven Electronics, Inc.

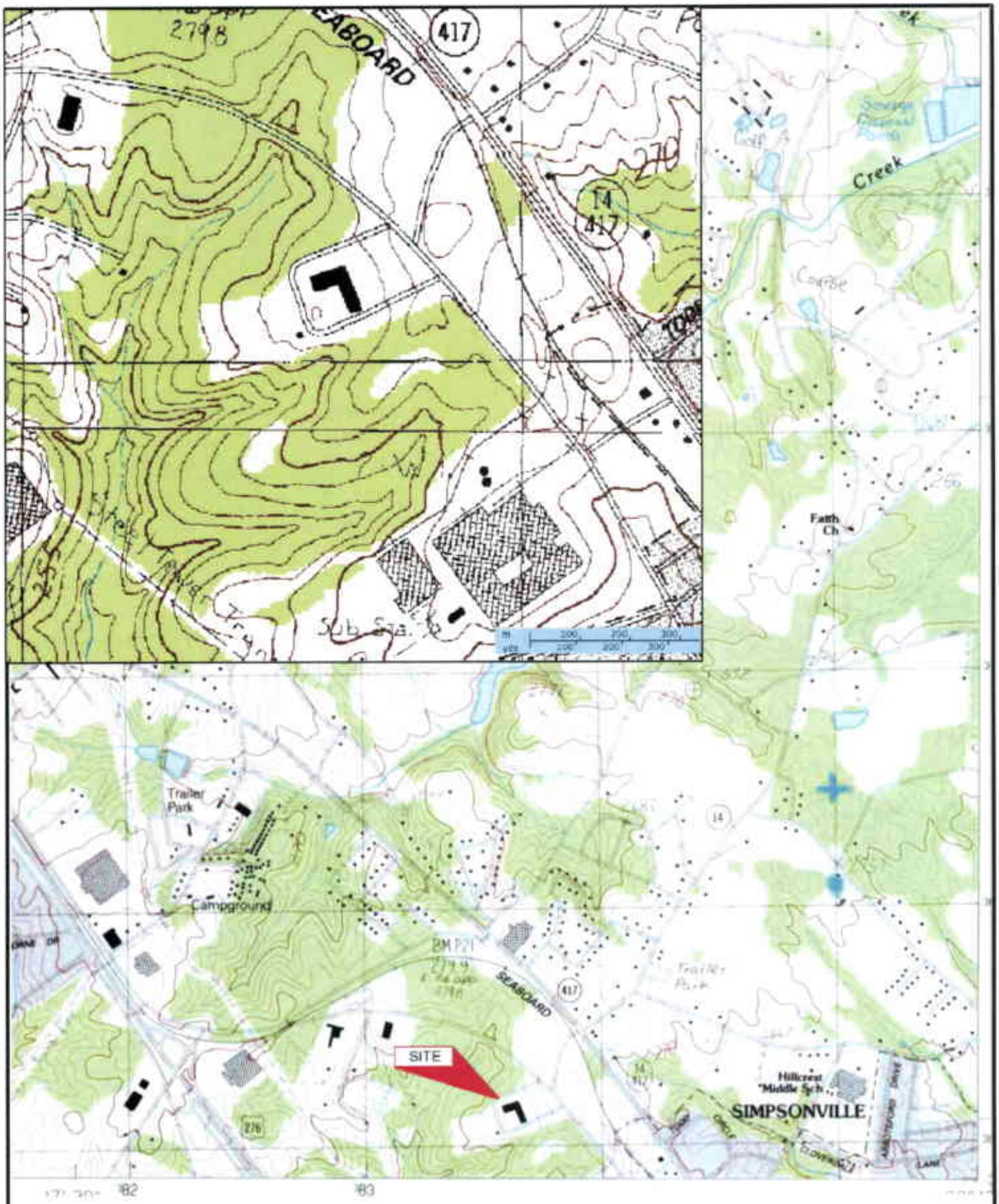
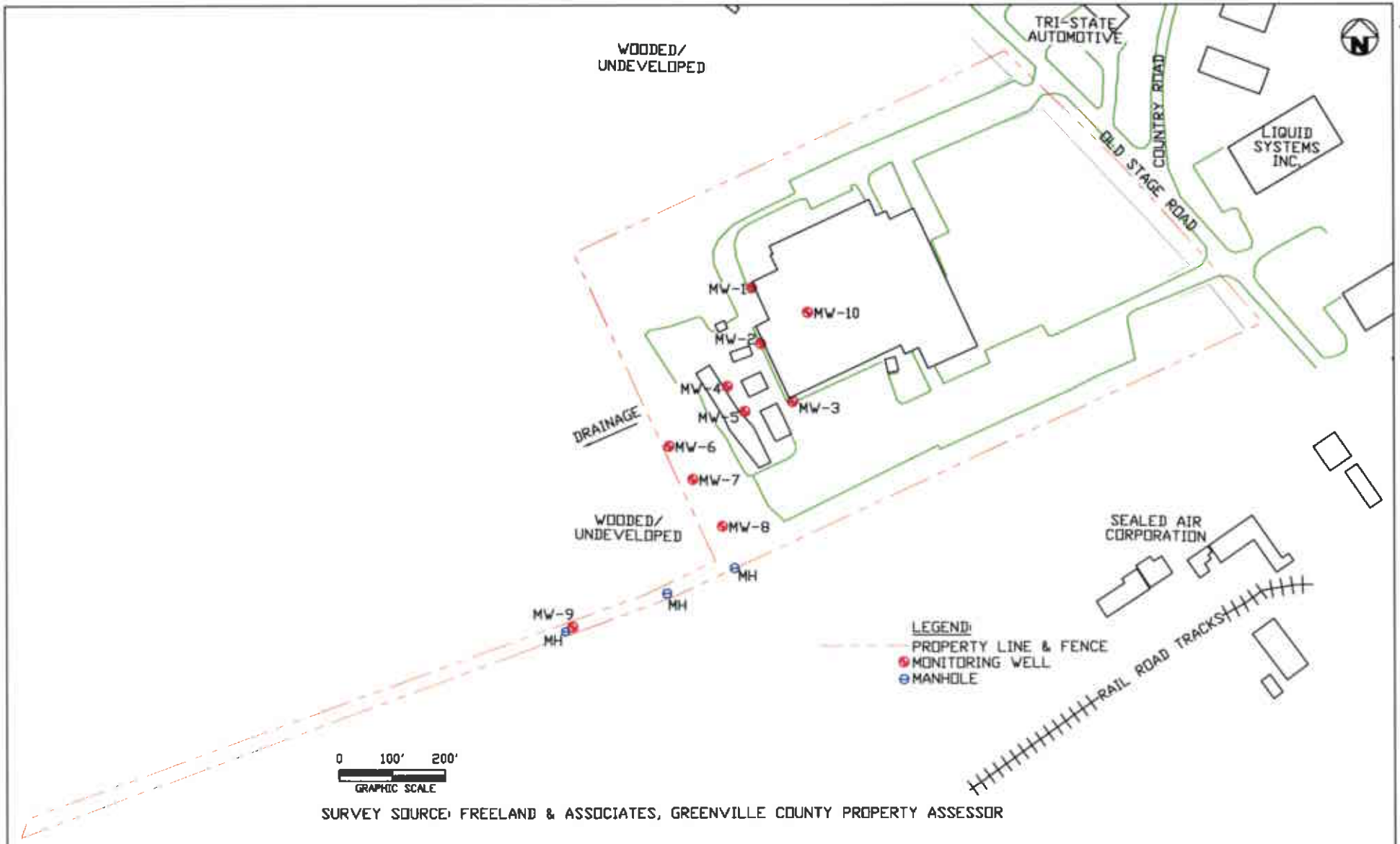


Figure 1

Site Location Map
Woven Electronics
1005 Old Stage Road, Simpsonville, SC

CRB



SURVEY SOURCE: FREELAND & ASSOCIATES, GREENVILLE COUNTY PROPERTY ASSESSOR

CRB
Geological & Environmental Services, Inc.
8744 SW 133rd Street
Miami, Florida 33176
Tel: (305) 447-9777
Fax: (305) 567-2853

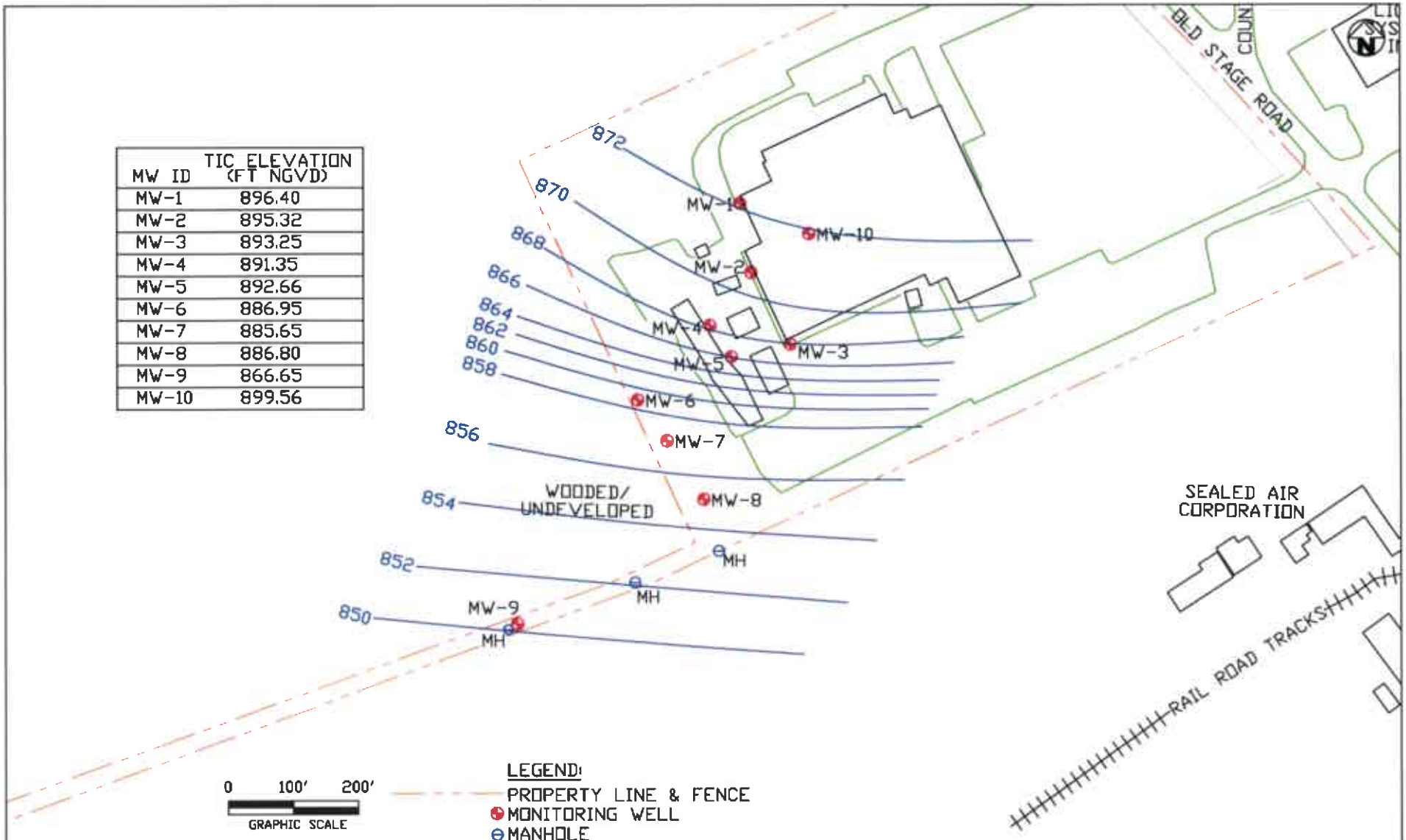
TITLE: SITE MAP WITH MONITORING WELL LOCATIONS
WOVEN ELECTRONICS
1001 OLD STAGE ROAD
SIMPSONVILLE, SOUTH CAROLINA

REV'D DATE:	OCT 27, 2012	PROJECT NO.	BEA 414-26
DRAWN DATE:	SEP 20, 2012	SCALE:	AS NOTED
DRAWN BY:	L. AYALA	APPROVED BY:	RW

FIGURE 2

BEA 414..\25..\Reports\CAD\F3- Site Map

MW ID	TIC ELEVATION (FT NGVD)
MW-1	896.40
MW-2	895.32
MW-3	893.25
MW-4	891.35
MW-5	892.66
MW-6	886.95
MW-7	885.65
MW-8	886.80
MW-9	866.65
MW-10	899.56



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Geological & Environmental Services, Inc.
8744 SW 133rd Street
Miami, Florida 33176
Tel: (305) 447-9777
Fax: (305) 567-2853

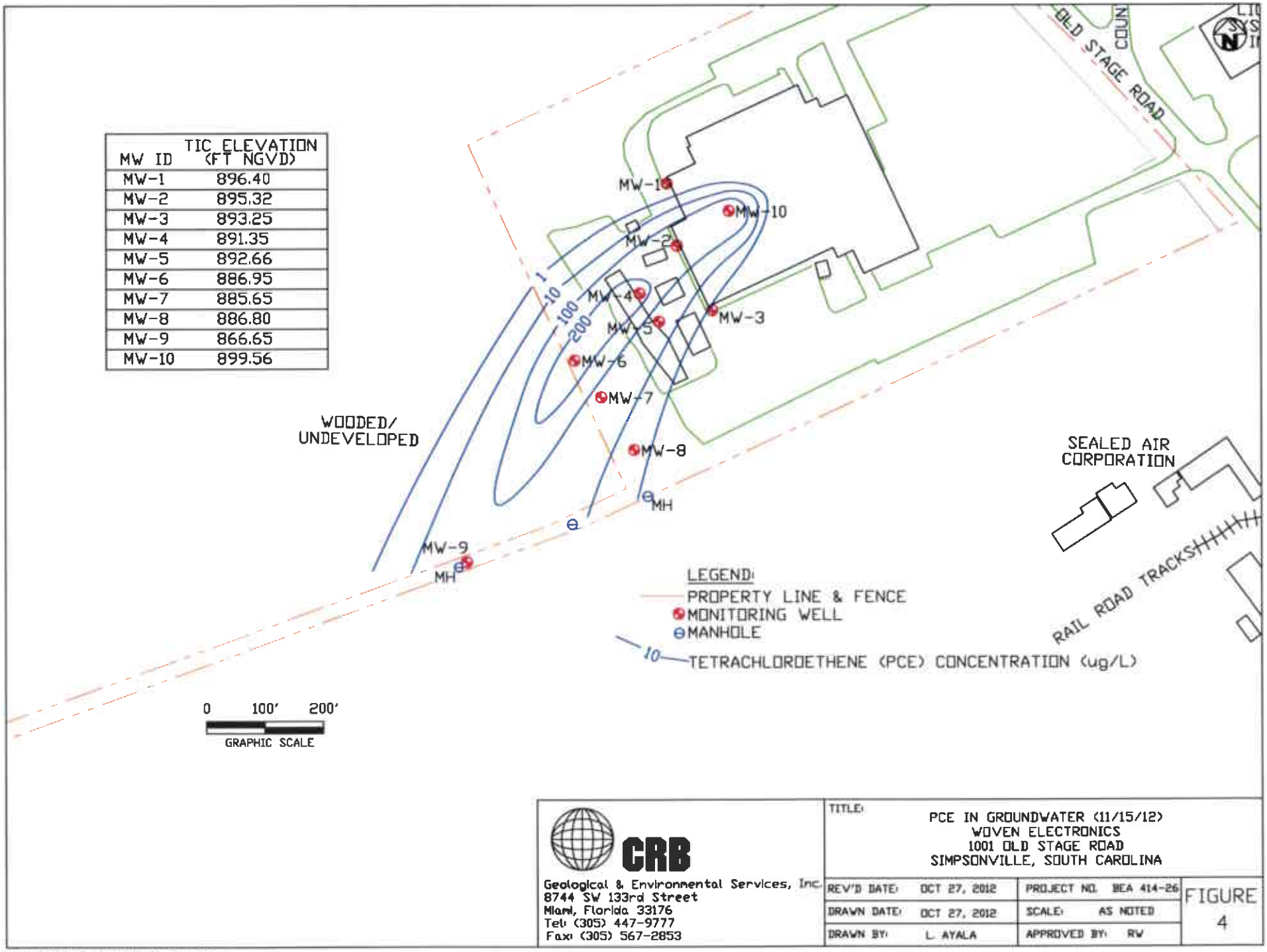
TITLE:
GROUNDWATER ELEVATION DIAGRAM (11/15/12)
WOVEN ELECTRONICS
1001 OLD STAGE ROAD
SIMPSONVILLE, SOUTH CAROLINA

REV'D DATE:	OCT 27, 2012	PROJECT NO.	BEA 414-26
DRAWN DATE:	OCT 27, 2012	SCALE:	AS NOTED
DRAWN BY:	L. AYALA	APPROVED BY:	RW

FIGURE 3

BEA 414-\25-\Reports\CAD\F3- Site Map

MW ID	TIC ELEVATION (FT NGVD)
MW-1	896.40
MW-2	895.32
MW-3	893.25
MW-4	891.35
MW-5	892.66
MW-6	886.95
MW-7	885.65
MW-8	886.80
MW-9	866.65
MW-10	899.56



CRB
Geological & Environmental Services, Inc.
8744 SW 133rd Street
Miami, Florida 33176
Tel: (305) 447-9777
Fax: (305) 567-2853

TITLE:
PCE IN GROUNDWATER (11/15/12)
WOVEN ELECTRONICS
1001 OLD STAGE ROAD
SIMPSONVILLE, SOUTH CAROLINA

REV'D DATE:	OCT 27, 2012	PROJECT NO.	BEA 414-26
DRAWN DATE:	OCT 27, 2012	SCALE:	AS NOTED
DRAWN BY:	L. AYALA	APPROVED BY:	RW

FIGURE 4

BEA 414-\25-\Reports\CAD\F3- Site Map

Table 1 - Monitoring Well Construction Summary

Woven Electronics

1001 Old Stage Road, Simpsonville SC

Well ID	Total Depth (ft)	TIC Elevation[1]	Screened Interval (ft bls)	Screened Formation	DTW	
					11/14/2012	GW Elev.
MW-1	69.71	896.40	60-70	Saprolite	24.31	872.09
MW-2	58.61	895.32	19-59	Saprolite	25.45	869.87
MW-3	60.28	893.25	20-60	Saprolite	25.75	867.50
MW-4	45.58	891.35	17-47	Saprolite	23.60	867.75
MW-5	41.83	892.66	13-43	Saprolite	26.40	866.26
MW-6	53.10	886.95	21-51	Saprolite	29.05	857.90
MW-7	39.71	885.65	9-39	Saprolite	28.59	857.06
MW-8	36.04	886.80	13-33	Saprolite	30.69	856.11
MW-9	33.12	866.65	11-31	Saprolite	15.78	850.87
MW-10	39.73	899.56	10-40	Saprolite	28.27	871.29

[1] - Top of Inner Casing elevation in feet relative to NGVD

DTW - Depth to Water

Table 2 - Groundwater Analytical Results - VOCs
Woven Electronics
1001 Old Stage Road, Simpsonville SC

Sample ID	Sample Date	PCE	TCE	1,1-DCE	cis 1,2 DCE	Vinyl Chloride	112-TCFM
		µg/L					
	USEPA MCL	5	5	7	70	2	NR
MW-1	11/14/12	<	<	<	<	<	<
MW-2	11/14/12	**120**	<	1.4	<	<	50
MW-3	11/14/12	**1.3**	<	<	<	<	<
MW-4	11/14/12	**230**	<	7.9	<	<	260
MW-5	11/14/12	**27**	<	<	<	<	27
MW-6	11/14/12	**400**	<	34	<	<	1100
MW-7	11/14/12	**52**	<	<	<	<	2.7
MW-8	11/14/12	**14**	<	<	<	<	<
MW-9	11/14/12	**68**	<	<	<	<	<
MW-10	11/14/12	**120**	<	4.6	<	<	64

<-Below Detection Limits PCE -Tetrachloroethene TCE-Trichloroethene
DCE-Dichloroethene TCFA - Trichloroflouromethane

ATTACHMENT A

LABORATORY ANALYTICAL RESULTS
AND
CHAIN OF CUSTODY RECORD

8744 SW 133rd STREET MIAMI FL 33176 TEL (305) 447-9777 FAX (305) 567-2653
5000 OLD BUNCOMBE RD, SUITE 27-281, GREENVILLE SC 29617 TEL (864) 283-2000 FAX (864) 283-2001

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Tax I.D. 62-0814289

Est. 1970

Mr. Robert Workman
CRB Geological & Env Services Inc - SC
5000 Old Buncombe Road, Suite 27-281
Greenville, SC 29617

Report Summary

Monday November 19, 2012

Report Number: L606454
Samples Received: 11/15/12
Client Project:

Description: BEA 11-26

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Jimmy Hunt

Jimmy Hunt, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

Date Received : November 15, 2012
Description : BEA 11-26

Sample ID : MW-1

Collected By : B. Rambo
Collection Date : 11/14/12 12:10

ESC Sample # : L606454-01

Site ID : SIMPSONVILLE, SC

Project # :

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	11/16/12	1
Benzene	BDL	1.0	ug/l	8260B	11/16/12	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	11/16/12	1
Bromoform	BDL	1.0	ug/l	8260B	11/16/12	1
Bromomethane	BDL	5.0	ug/l	8260B	11/16/12	1
Carbon disulfide	BDL	1.0	ug/l	8260B	11/16/12	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	11/16/12	1
Chloroethane	BDL	5.0	ug/l	8260B	11/16/12	1
Chloroform	BDL	5.0	ug/l	8260B	11/16/12	1
Chloromethane	BDL	2.5	ug/l	8260B	11/16/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	11/16/12	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Ethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	11/16/12	1
2-Hexanone	BDL	10.	ug/l	8260B	11/16/12	1
Methylene Chloride	BDL	5.0	ug/l	8260B	11/16/12	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	11/16/12	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Naphthalene	BDL	5.0	ug/l	8260B	11/16/12	1
Styrene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
Toluene	BDL	5.0	ug/l	8260B	11/16/12	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Trichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
Vinyl chloride	BDL	1.0	ug/l	8260B	11/16/12	1
Xylenes, Total	BDL	3.0	ug/l	8260B	11/16/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.0	ug/l	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

ESC Sample # : L606454-01

Site ID : SIMPSONVILLE, SC

Project # :

Date Received : November 15, 2012
Description : BEA 11-26

Sample ID : MW-1

Collected By : B. Rambo
Collection Date : 11/14/12 12:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Surrogate Recovery						
Toluene-d8	97.8		% Rec.	8260B	11/16/12	1
Dibromofluoromethane	92.2		% Rec.	8260B	11/16/12	1
a,a,a-Trifluorotoluene	100.		% Rec.	8260B	11/16/12	1
4-Bromofluorobenzene	97.7		% Rec.	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 11/19/12 13:47 Printed: 11/19/12 13:47

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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

Date Received : November 15, 2012
Description : BEA 11-26

ESC Sample # : L606454-02

Site ID : SIMPSONVILLE, SC

Sample ID : MW-2

Project # :

Collected By :
Collection Date : 11/14/12 14:35

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	11/16/12	1
Benzene	BDL	1.0	ug/l	8260B	11/16/12	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	11/16/12	1
Bromoform	BDL	1.0	ug/l	8260B	11/16/12	1
Bromomethane	BDL	5.0	ug/l	8260B	11/16/12	1
Carbon disulfide	BDL	1.0	ug/l	8260B	11/16/12	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	11/16/12	1
Chloroethane	BDL	5.0	ug/l	8260B	11/16/12	1
Chloroform	BDL	5.0	ug/l	8260B	11/16/12	1
Chloromethane	BDL	2.5	ug/l	8260B	11/16/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	11/16/12	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethene	1.4	1.0	ug/l	8260B	11/16/12	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Ethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	11/16/12	1
2-Hexanone	BDL	10.	ug/l	8260B	11/16/12	1
Methylene Chloride	BDL	5.0	ug/l	8260B	11/16/12	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	11/16/12	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Naphthalene	BDL	5.0	ug/l	8260B	11/16/12	1
Styrene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Tetrachloroethene	120	1.0	ug/l	8260B	11/16/12	1
Toluene	BDL	5.0	ug/l	8260B	11/16/12	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Trichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
Vinyl chloride	BDL	1.0	ug/l	8260B	11/16/12	1
Xylenes, Total	BDL	3.0	ug/l	8260B	11/16/12	1
1,1,2-Trichlorotrifluoroethane	50.	1.0	ug/l	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

Date Received : November 15, 2012
Description : BEA 11-26

ESC Sample # : L606454-02

Site ID : SIMPSONVILLE, SC

Sample ID : MW-2

Project # :

Collected By : B. Rambo
Collection Date : 11/14/12 14:35

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Surrogate Recovery						
Toluene-d8	96.4		% Rec.	8260B	11/16/12	1
Dibromofluoromethane	91.7		% Rec.	8260B	11/16/12	1
a,a,a-Trifluorotoluene	98.8		% Rec.	8260B	11/16/12	1
4-Bromofluorobenzene	95.0		% Rec.	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Est. 1970

REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

Date Received : November 15, 2012
Description : BEA 11-26

ESC Sample # : L606454-03

Site ID : SIMPSONVILLE, SC

Sample ID : MW-3

Project # :

Collected By : B. Rambo
Collection Date : 11/14/12 13:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	11/16/12	1
Benzene	BDL	1.0	ug/l	8260B	11/16/12	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	11/16/12	1
Bromoform	BDL	1.0	ug/l	8260B	11/16/12	1
Bromomethane	BDL	5.0	ug/l	8260B	11/16/12	1
Carbon disulfide	BDL	1.0	ug/l	8260B	11/16/12	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	11/16/12	1
Chloroethane	BDL	5.0	ug/l	8260B	11/16/12	1
Chloroform	BDL	5.0	ug/l	8260B	11/16/12	1
Chloromethane	BDL	2.5	ug/l	8260B	11/16/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	11/16/12	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Ethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	11/16/12	1
2-Hexanone	BDL	10.	ug/l	8260B	11/16/12	1
Methylene Chloride	BDL	5.0	ug/l	8260B	11/16/12	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	11/16/12	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Naphthalene	BDL	5.0	ug/l	8260B	11/16/12	1
Styrene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Tetrachloroethene	1.3	1.0	ug/l	8260B	11/16/12	1
Toluene	BDL	5.0	ug/l	8260B	11/16/12	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Trichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
Vinyl chloride	BDL	1.0	ug/l	8260B	11/16/12	1
Xylenes, Total	BDL	3.0	ug/l	8260B	11/16/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.0	ug/l	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

ESC Sample # : L606454-03

Site ID : SIMPSONVILLE, SC

Project # :

Date Received : November 15, 2012
Description : BEA 11-26

Sample ID : MW-3

Collected By : B. Rambo
Collection Date : 11/14/12 13:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Surrogate Recovery						
Toluene-d8	96.6		% Rec.	8260B	11/16/12	1
Dibromofluoromethane	94.1		% Rec.	8260B	11/16/12	1
a,a,a-Trifluorotoluene	98.6		% Rec.	8260B	11/16/12	1
4-Bromofluorobenzene	98.2		% Rec.	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

ESC Sample # : L606454-04

Site ID : SIMPSONVILLE, SC

Project # :

Date Received : November 15, 2012
Description : BEA 11-26

Sample ID : MW-4

Collected By : B. Rambo
Collection Date : 11/14/12 14:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	11/16/12	1
Benzene	BDL	1.0	ug/l	8260B	11/16/12	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	11/16/12	1
Bromoform	BDL	1.0	ug/l	8260B	11/16/12	1
Bromomethane	BDL	5.0	ug/l	8260B	11/16/12	1
Carbon disulfide	BDL	1.0	ug/l	8260B	11/16/12	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	11/16/12	1
Chloroethane	BDL	5.0	ug/l	8260B	11/16/12	1
Chloroform	BDL	5.0	ug/l	8260B	11/16/12	1
Chloromethane	BDL	2.5	ug/l	8260B	11/16/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	11/16/12	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethene	7.9	1.0	ug/l	8260B	11/16/12	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Ethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	11/16/12	1
2-Hexanone	BDL	10.	ug/l	8260B	11/16/12	1
Methylene Chloride	BDL	5.0	ug/l	8260B	11/16/12	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	11/16/12	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Naphthalene	BDL	5.0	ug/l	8260B	11/16/12	1
Styrene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Tetrachloroethene	230	5.0	ug/l	8260B	11/17/12	5
Toluene	BDL	5.0	ug/l	8260B	11/16/12	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Trichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
Vinyl chloride	BDL	1.0	ug/l	8260B	11/16/12	1
Xylenes, Total	BDL	3.0	ug/l	8260B	11/16/12	1
1,1,2-Trichlorotrifluoroethane	260	5.0	ug/l	8260B	11/17/12	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

ESC Sample # : L606454-04

Date Received : November 15, 2012
Description : BEA 11-26

Site ID : SIMPSONVILLE, SC

Sample ID : MW-4

Project # :

Collected By :
Collection Date : 11/14/12 14:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Surrogate Recovery						
Toluene-d8	97.2		% Rec.	8260B	11/16/12	1
Dibromofluoromethane	95.5		% Rec.	8260B	11/16/12	1
a,a,a-Trifluorotoluene	99.2		% Rec.	8260B	11/16/12	1
4-Bromofluorobenzene	95.9		% Rec.	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

Date Received : November 15, 2012
Description : BEA 11-26

ESC Sample # : L606454-05

Site ID : SIMPSONVILLE, SC

Sample ID : MW-5

Project # :

Collected By : B. Rambo
Collection Date : 11/14/12 13:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	11/16/12	1
Benzene	BDL	1.0	ug/l	8260B	11/16/12	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	11/16/12	1
Bromoform	BDL	1.0	ug/l	8260B	11/16/12	1
Bromomethane	BDL	5.0	ug/l	8260B	11/16/12	1
Carbon disulfide	BDL	1.0	ug/l	8260B	11/16/12	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	11/16/12	1
Chloroethane	BDL	5.0	ug/l	8260B	11/16/12	1
Chloroform	BDL	5.0	ug/l	8260B	11/16/12	1
Chloromethane	BDL	2.5	ug/l	8260B	11/16/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	11/16/12	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Ethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	11/16/12	1
2-Hexanone	BDL	10.	ug/l	8260B	11/16/12	1
Methylene Chloride	BDL	5.0	ug/l	8260B	11/16/12	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	11/16/12	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Naphthalene	BDL	5.0	ug/l	8260B	11/16/12	1
Styrene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Tetrachloroethene	27.	1.0	ug/l	8260B	11/16/12	1
Toluene	BDL	5.0	ug/l	8260B	11/16/12	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Trichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
Vinyl chloride	BDL	1.0	ug/l	8260B	11/16/12	1
Xylenes, Total	BDL	3.0	ug/l	8260B	11/16/12	1
1,1,2-Trichlorotrifluoroethane	27.	1.0	ug/l	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

ESC Sample # : L606454-05

Site ID : SIMPSONVILLE, SC

Project # :

Date Received : November 15, 2012
Description : BEA 11-26

Sample ID : MW-5

Collected By : B. Rambo
Collection Date : 11/14/12 13:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Surrogate Recovery						
Toluene-d8	97.1		% Rec.	8260B	11/16/12	1
Dibromofluoromethane	94.6		% Rec.	8260B	11/16/12	1
a,a,a-Trifluorotoluene	98.2		% Rec.	8260B	11/16/12	1
4-Bromofluorobenzene	99.4		% Rec.	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

ESC Sample # : L606454-06

Site ID : SIMPSONVILLE, SC

Project # :

Date Received : November 15, 2012
Description : BEA 11-26

Sample ID : MW-6

Collected By : B. Rambo
Collection Date : 11/14/12 16:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	11/16/12	1
Benzene	BDL	1.0	ug/l	8260B	11/16/12	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	11/16/12	1
Bromoform	BDL	1.0	ug/l	8260B	11/16/12	1
Bromomethane	BDL	5.0	ug/l	8260B	11/16/12	1
Carbon disulfide	BDL	1.0	ug/l	8260B	11/16/12	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	11/16/12	1
Chloroethane	BDL	5.0	ug/l	8260B	11/16/12	1
Chloroform	BDL	5.0	ug/l	8260B	11/16/12	1
Chloromethane	BDL	2.5	ug/l	8260B	11/16/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	11/16/12	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethene	34.	1.0	ug/l	8260B	11/16/12	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Ethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	11/16/12	1
2-Hexanone	BDL	10.	ug/l	8260B	11/16/12	1
Methylene Chloride	BDL	5.0	ug/l	8260B	11/16/12	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	11/16/12	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Naphthalene	BDL	5.0	ug/l	8260B	11/16/12	1
Styrene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Tetrachloroethene	400	20.	ug/l	8260B	11/17/12	20
Toluene	BDL	5.0	ug/l	8260B	11/16/12	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Trichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
Vinyl chloride	BDL	1.0	ug/l	8260B	11/16/12	1
Xylenes, Total	BDL	3.0	ug/l	8260B	11/16/12	1
1,1,2-Trichlorotrifluoroethane	1100	20.	ug/l	8260B	11/17/12	20

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

ESC Sample # : L606454-06

Site ID : SIMPSONVILLE, SC

Project # :

Date Received : November 15, 2012
Description : BEA 11-26

Sample ID : MW-6

Collected By : B. Rambo
Collection Date : 11/14/12 16:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Surrogate Recovery						
Toluene-d8	97.3		% Rec.	8260B	11/16/12	1
Dibromofluoromethane	92.6		% Rec.	8260B	11/16/12	1
a,a,a-Trifluorotoluene	101.		% Rec.	8260B	11/16/12	1
4-Bromofluorobenzene	95.6		% Rec.	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

ESC Sample # : L606454-07

Site ID : SIMPSONVILLE, SC

Project # :

Date Received : November 15, 2012
Description : BEA 11-26

Sample ID : MW-7

Collected By : B. Rambo
Collection Date : 11/14/12 15:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	11/16/12	1
Benzene	BDL	1.0	ug/l	8260B	11/16/12	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	11/16/12	1
Bromoform	BDL	1.0	ug/l	8260B	11/16/12	1
Bromomethane	BDL	5.0	ug/l	8260B	11/16/12	1
Carbon disulfide	BDL	1.0	ug/l	8260B	11/16/12	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	11/16/12	1
Chloroethane	BDL	5.0	ug/l	8260B	11/16/12	1
Chloroform	BDL	5.0	ug/l	8260B	11/16/12	1
Chloromethane	BDL	2.5	ug/l	8260B	11/16/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	11/16/12	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Ethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	11/16/12	1
2-Hexanone	BDL	10.	ug/l	8260B	11/16/12	1
Methylene Chloride	BDL	5.0	ug/l	8260B	11/16/12	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	11/16/12	1
Methyl tert-butyl ether	1.2	1.0	ug/l	8260B	11/16/12	1
Naphthalene	BDL	5.0	ug/l	8260B	11/16/12	1
Styrene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Tetrachloroethene	52.	1.0	ug/l	8260B	11/16/12	1
Toluene	BDL	5.0	ug/l	8260B	11/16/12	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Trichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
Vinyl chloride	BDL	1.0	ug/l	8260B	11/16/12	1
Xylenes, Total	BDL	3.0	ug/l	8260B	11/16/12	1
1,1,2-Trichlorotrifluoroethane	2.7	1.0	ug/l	8260B	11/17/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

ESC Sample # : L606454-07

Site ID : SIMPSONVILLE, SC

Project # :

Date Received : November 15, 2012
Description : BEA 11-26

Sample ID : MW-7

Collected By : B. Rambo
Collection Date : 11/14/12 15:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Surrogate Recovery						
Toluene-d8	97.5		% Rec.	8260B	11/16/12	1
Dibromofluoromethane	93.5		% Rec.	8260B	11/16/12	1
a,a,a-Trifluorotoluene	101.		% Rec.	8260B	11/16/12	1
4-Bromofluorobenzene	96.6		% Rec.	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

ESC Sample # : L606454-08

Site ID : SIMPSONVILLE, SC

Project # :

Date Received : November 15, 2012
Description : BEA 11-26

Sample ID : MW-8

Collected By : B. Rambo
Collection Date : 11/14/12 10:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	11/16/12	1
Benzene	BDL	1.0	ug/l	8260B	11/16/12	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	11/16/12	1
Bromoform	BDL	1.0	ug/l	8260B	11/16/12	1
Bromomethane	BDL	5.0	ug/l	8260B	11/16/12	1
Carbon disulfide	BDL	1.0	ug/l	8260B	11/16/12	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	11/16/12	1
Chloroethane	BDL	5.0	ug/l	8260B	11/16/12	1
Chloroform	BDL	5.0	ug/l	8260B	11/16/12	1
Chloromethane	BDL	2.5	ug/l	8260B	11/16/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	11/16/12	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Ethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	11/16/12	1
2-Hexanone	BDL	10.	ug/l	8260B	11/16/12	1
Methylene Chloride	BDL	5.0	ug/l	8260B	11/16/12	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	11/16/12	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Naphthalene	BDL	5.0	ug/l	8260B	11/16/12	1
Styrene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Tetrachloroethene	14.	1.0	ug/l	8260B	11/16/12	1
Toluene	BDL	5.0	ug/l	8260B	11/16/12	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Trichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
Vinyl chloride	BDL	1.0	ug/l	8260B	11/16/12	1
Xylenes, Total	BDL	3.0	ug/l	8260B	11/16/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.0	ug/l	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

ESC Sample # : L606454-08

Site ID : SIMPSONVILLE, SC

Project # :

Date Received : November 15, 2012
Description : BEA 11-26

Sample ID : MW-8

Collected By : B. Rambo
Collection Date : 11/14/12 10:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Surrogate Recovery						
Toluene-d8	97.5		% Rec.	8260B	11/16/12	1
Dibromofluoromethane	93.9		% Rec.	8260B	11/16/12	1
a,a,a-Trifluorotoluene	98.8		% Rec.	8260B	11/16/12	1
4-Bromofluorobenzene	94.3		% Rec.	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

ESC Sample # : L606454-09

Site ID : SIMPSONVILLE, SC

Project # :

Date Received : November 15, 2012
Description : BEA 11-26

Sample ID : MW-9

Collected By : B. Rambo
Collection Date : 11/14/12 09:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	11/16/12	1
Benzene	BDL	1.0	ug/l	8260B	11/16/12	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	11/16/12	1
Bromoform	BDL	1.0	ug/l	8260B	11/16/12	1
Bromomethane	BDL	5.0	ug/l	8260B	11/16/12	1
Carbon disulfide	BDL	1.0	ug/l	8260B	11/16/12	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	11/16/12	1
Chloroethane	BDL	5.0	ug/l	8260B	11/16/12	1
Chloroform	BDL	5.0	ug/l	8260B	11/16/12	1
Chloromethane	BDL	2.5	ug/l	8260B	11/16/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	11/16/12	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Ethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	11/16/12	1
2-Hexanone	BDL	10.	ug/l	8260B	11/16/12	1
Methylene Chloride	BDL	5.0	ug/l	8260B	11/16/12	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	11/16/12	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Naphthalene	BDL	5.0	ug/l	8260B	11/16/12	1
Styrene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Tetrachloroethene	68.	1.0	ug/l	8260B	11/16/12	1
Toluene	BDL	5.0	ug/l	8260B	11/16/12	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Trichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
Vinyl chloride	BDL	1.0	ug/l	8260B	11/16/12	1
Xylenes, Total	BDL	3.0	ug/l	8260B	11/16/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.0	ug/l	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

ESC Sample # : L606454-09

Site ID : SIMPSONVILLE, SC

Project # :

Date Received : November 15, 2012
Description : BEA 11-26

Sample ID : MW-9

Collected By : B. Rambo
Collection Date : 11/14/12 09:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Surrogate Recovery						
Toluene-d8	97.2		% Rec.	8260B	11/16/12	1
Dibromofluoromethane	91.8		% Rec.	8260B	11/16/12	1
a,a,a-Trifluorotoluene	99.0		% Rec.	8260B	11/16/12	1
4-Bromofluorobenzene	97.2		% Rec.	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

ESC Sample # : L606454-10

Site ID : SIMPSONVILLE, SC

Project # :

Date Received : November 15, 2012
Description : BEA 11-26

Sample ID : MW-10

Collected By : B. Rambo
Collection Date : 11/14/12 10:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	11/16/12	1
Benzene	BDL	1.0	ug/l	8260B	11/16/12	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	11/16/12	1
Bromoform	BDL	1.0	ug/l	8260B	11/16/12	1
Bromomethane	BDL	5.0	ug/l	8260B	11/16/12	1
Carbon disulfide	BDL	1.0	ug/l	8260B	11/16/12	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	11/16/12	1
Chloroethane	BDL	5.0	ug/l	8260B	11/16/12	1
Chloroform	BDL	5.0	ug/l	8260B	11/16/12	1
Chloromethane	BDL	2.5	ug/l	8260B	11/16/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	11/16/12	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1-Dichloroethene	4.6	1.0	ug/l	8260B	11/16/12	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	11/16/12	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	11/16/12	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Ethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	11/16/12	1
2-Hexanone	BDL	10.	ug/l	8260B	11/16/12	1
Methylene Chloride	BDL	5.0	ug/l	8260B	11/16/12	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	11/16/12	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	11/16/12	1
Naphthalene	BDL	5.0	ug/l	8260B	11/16/12	1
Styrene	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Tetrachloroethene	120	1.0	ug/l	8260B	11/16/12	1
Toluene	BDL	5.0	ug/l	8260B	11/16/12	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	11/16/12	1
Trichloroethene	BDL	1.0	ug/l	8260B	11/16/12	1
Vinyl chloride	BDL	1.0	ug/l	8260B	11/16/12	1
Xylenes, Total	BDL	3.0	ug/l	8260B	11/16/12	1
1,1,2-Trichlorotrifluoroethane	64.	1.0	ug/l	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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(615) 758-5858
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Robert Workman
CRB Geological & Env Services Inc -
5000 Old Buncombe Road, Suite 27-28
Greenville, SC 29617

November 19,2012

ESC Sample # : L606454-10

Site ID : SIMPSONVILLE, SC

Project # :

Date Received : November 15, 2012
Description : BEA 11-26

Sample ID : MW-10

Collected By : B. Rambo
Collection Date : 11/14/12 10:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	11/16/12	1
Surrogate Recovery						
Toluene-d8	96.9		% Rec.	8260B	11/16/12	1
Dibromofluoromethane	92.1		% Rec.	8260B	11/16/12	1
a,a,a-Trifluorotoluene	98.1		% Rec.	8260B	11/16/12	1
4-Bromofluorobenzene	98.0		% Rec.	8260B	11/16/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 11/19/12 13:47 Printed: 11/19/12 13:47

CRB Geological & Env Services Inc - SC

5000 Old Buncombe Road. Suite 27-281
Greenville,SC 29617

Billing information:

Mr. Robert Workman
8744 SW 133rd Street

Miami,FL 33176

Analysis/Container/Preservative

A095

Chain of Custody
Page 1 of 2

ESC LABS
12065 Lebanon Road
Mt. Juliet, TN 37122

Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

Report to: Mr. Robert Workman

Email: rworkman@crbgeo.net,blivie

Project Description: BEA 11-26

City/State Collected: SIMPSONVILLE, SC

Phone: (864) 283-2000
FAX:

Client Project #

Lab Project #: CRBGEOGSC-BEA1126

Collected by (print): B. RAMBO

Site/Facility ID#

PO#

Collected by (signature):

Immediately Packed on Ice N ___ (X)

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X Yes
FAX? ___No ___Yes

Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	Remarks/Contaminant	Sample # (lab only)
MW-1	G	GW		11/14/2012	1210	3		L666454-01
MW-2		GW			1435	3		02
MW-3		GW			1320	3		03
MW-4		GW			1405	3		04
MW-5		GW			1300	3		05
MW-6		GW			1600	3		06
MW-7		GW			1520	3		07
MW-8		GW			1015	3		08
MW-9		GW			0930	3		09

*Matrix SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____

Remarks

Flow _____ Other _____

5413417305386

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ____
	11/14/12	1700		
Relinquished by: (Signature)	Date	Time:	Received by: (Signature)	
Relinquished by: (Signature)	Date	Time:	Received for lab: (Signature)	Date: 11/15/12

CRB Geological & Env Services Inc - SC
5000 Old Buncombe Road. Suite 27-281
Greenville,SC 29617

Billing Information.
Mr. Robert Workman
8744 SW 133rd Street
Miami,FL 33176

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Chain of Custody
Page 2 of 2

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Fax: (615) 758-5859

Report to: Mr. Robert Workman
Email: rworkman@crbgeo.net,blivie
Project Description: BEA 11-26
City/State Collected: SIMPSONVILLE, SC
Phone: (864) 283-2000
FAX:
Client Project #:
Lab Project #: CRBGEOGSC-BEA1126
Collected by (print): B. RAMBO
Site/Facility ID#:
P.O.#:
Collected by (signature): [signature]
Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed
Email? ___No X Yes
FAX? ___No ___Yes

Accnum: CRBGEOGSC
Template: T87735 P409819
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs							Remarks/Contaminant	Sample # (lab only)
MW-10	G	GW		11/14/12	1055	3	X						L606454-10	

*Matrix. SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐
[signature]	11/14/12	1700	[redacted]	
Relinquished by: [redacted]	Date	Time.	Received by: ([redacted])	
Relinquished by: [redacted]ure)	Date.	Time	Received for [redacted]	