

**NUTSHELL  
ENTERPRISES, LTD.**

Environmental  
Consulting,  
Engineering and  
Construction

4059 Norrisville Road  
Jarrettsville, MD 21084  
Phone (410) 557-7583  
Fax (410) 557-8804

September 9, 2011

Mr. Chad Widney, Geologist  
Maryland Department of the Environment  
Oil Control Program  
1800 Washington Boulevard  
Baltimore, MD 21230

**Former High's #129 Store  
1919 Pulaski Highway, North East  
Cecil County, MD  
Facility 1877  
Case 94-2649-CE**

**Request to Reduce Sampling Frequency**

Dear Mr. Widney:

Sufficient sampling data has been recorded to determine the groundwater contamination levels at the former High's facility 1877. The source of the contamination has been removed from the property. There is no history of LPH in the monitoring wells. BTEX detection has been nominal or non-existent. The MTBE levels are slowly abating. According to the current owners, A.C. Auto, the well water is not used for human consumption, thereby reducing risk to human health. Quarterly monitoring of the monitoring well network is not warranted.

Semiannual sampling of the monitoring well network is recommended.

Sincerely,



Arthur A. Shellhouse  
Certified Professional Environmental Auditor

cc: Ed Broderick, High's  
Melissa Nickol, High's  
A.C. Auto  
CCHD

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**THIRD QUARTER 2011  
MONITORING WELLS SAMPLING REPORT**

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**Subject Property**

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Former High's Store #129  
1919 Pulaski Highway  
North East, MD  
Cecil County  
Facility ID 1877  
MDE Case No. 94-2649-CE

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*Prepared for*

**High's of Baltimore, Inc.  
7477 New Ridge Road  
Hanover, MD 21076**

Prepared by:

  
\_\_\_\_\_  
Arthur A. Shellhouse

Certified Professional Environmental Auditor

**September 9, 2011**

The scope of work is limited to the activities and results contained in this report. Industry standards and procedures were followed to complete the scope of work. No other warranty expressed or implied is made.

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## 1. August 19, 2011 Groundwater Sampling Event

Quarterly sampling of monitoring wells MW-3, MW-5, MW-7 and MW-8 was performed on August 16, 2011. Each of the wells was gauged with an electronic interface tape to detect the presence of free product and to gauge the depth to water. Product was not detected in any of the wells.

### Well Log 5/23/2011

Well ID	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Well Depth (ft)	Well Di (in)	Water Column (ft)	Min. Purge Volume (gal)	Purge Method	Sample Method
MW-3	ND	6.80	ND	21.8	4	16.49	32.25	pump	bailer
MW-5	ND	5.62	ND	22.1	4	17.67	34.56	pump	bailer
MW-7	ND	8.89	ND	27.8	2	20.79	10.17	pump	bailer
M W-8	ND	8.06	ND	26.1	2	21.18	10.36	pump	bailer

ND = not detected Well Volume = water column x 0.65 for 4" well & water column x 0.16 for 2" well

### Sampling Protocol

Each of the wells was purged of at least three well volumes prior to sampling. The wells were purged and sampled in order of historical contamination results, from least contamination to most contamination. The wells were gauged and sampled in the following order: MW-5, MW-8, MW-7, MW-3. The technician wore disposable gloves that were discarded after each purging and obtaining samples from each well. A new, dedicated bailer was used to collect samples from each well.

The samples were collected in laboratory-supplied, labeled bottles, placed on ice and delivered to Caliber Analytical Services, Towson, MD. The samples were analyzed for VOC's + fuel oxygenates, using EPA method 8260B.

Water purged from the wells is filtered through carbon media, prior to being released.

## 2. Results

### Summary of Groundwater Analytical Results 8/19/2011

Sample ID	Date	Benzene ug/L	Toluene ug/L	Ethylbenzene ug/L	Xylenes ug/L	Total BTEX ug/L	MTBE ug/L
MW-3	8/19/2011	ND	ND	ND	ND	ND	ND
MW-5	8/19/2011	21	ND	1	ND	22	21
MW-7 CE-95-2810	8/19/2011	ND	ND	ND	ND	ND	47
MW-8 CE-95-2811	8/19/2011	6	ND	ND	3	9	270
MDE GW Standards		5	1,000	700	10,000	11,705	20

ND = non detect

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#### **4. Request to Reduce Sampling Frequency**

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Due to the historic and static nature of the onsite contamination, and the absence of liquid phase contamination, semiannual sampling of the monitoring well network is recommended.

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#### **5. Next Quarterly Sampling Event**

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The next quarterly sampling event at this facility is scheduled for November 2011.

PULASKI HIGHWAY

A. C AUTO SALES

88.18  
MW-3

88.14  
MW-7

87.67  
MW-8

HIGH'S  
STORE

86.87  
MW-5

DOMESTIC WELL

CIRCLE  
MOTEL

DOMESTIC WELL



MONITORING WELL

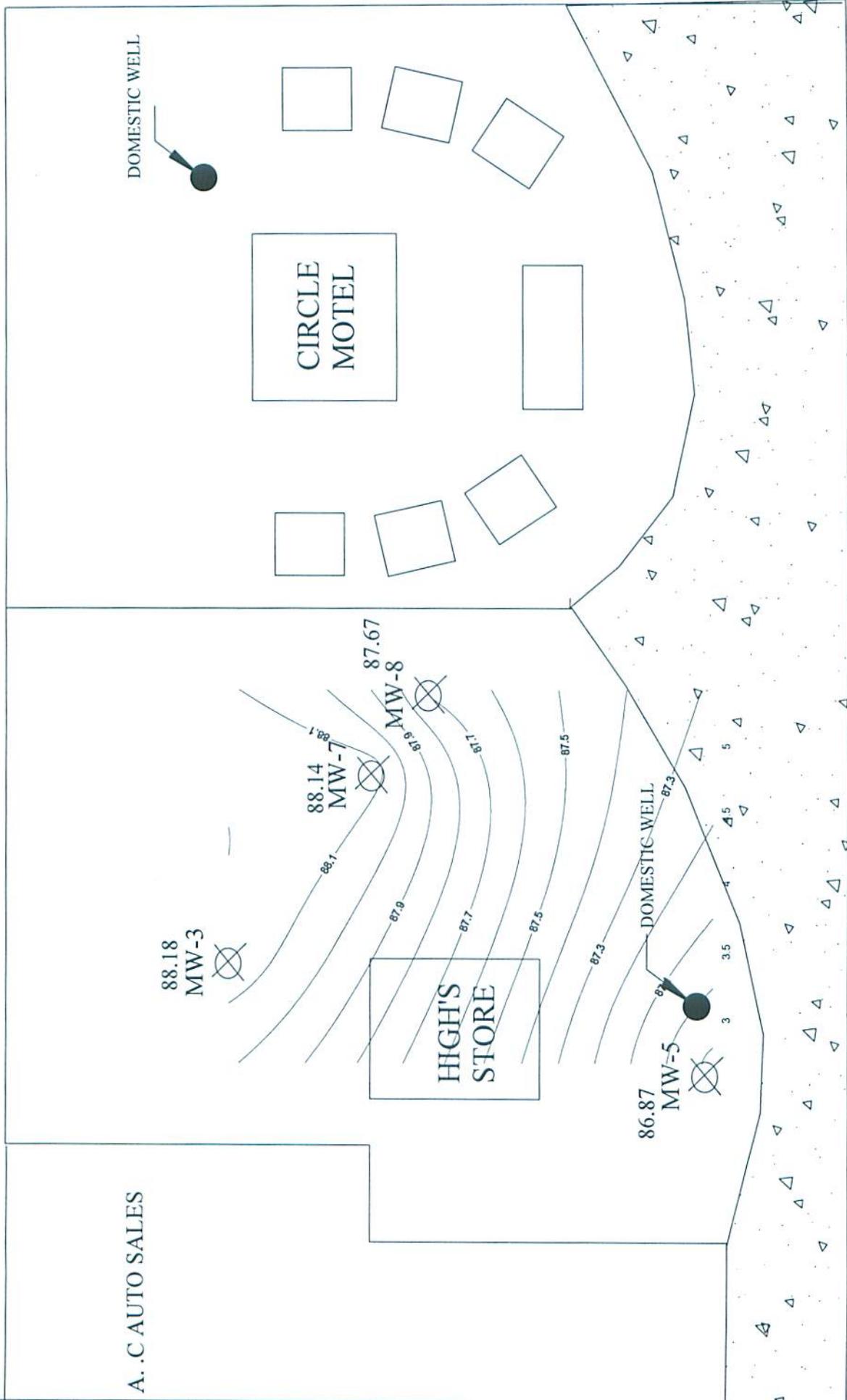
1" = 40'

GROUNDWATER  
DIRECTIONAL FLOW  
MAP

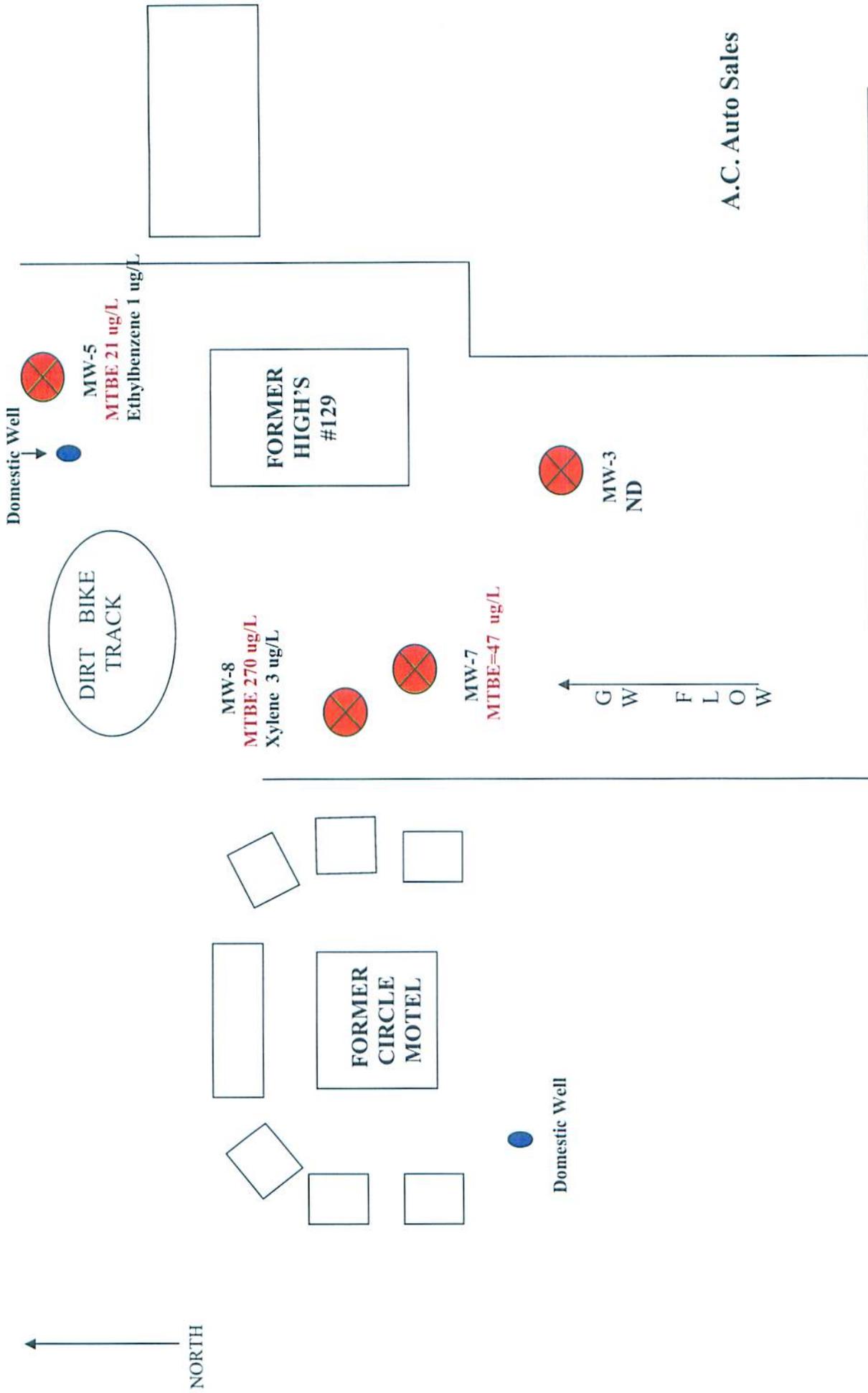
APRIL 2010  
HIGH'S OF BALTIMORE INC.  
1919 PULASKI HIGHWAY  
NORTH EAST, MD

NUTSHELL  
ENTERPRISES, LTD.  
4521 Nunsdale Road  
Jennings, MD 21086  
Phone (410) 552-7362

Everready  
Consulting  
Engineering and  
Construction  
Fax (410) 552-8804



CONTAMINANT CONCENTRATION MAP SAMPLING DATE: 2/27/2011  
FORMER HIGH'S #120 1919 PULASKI HIGHWAY, NORTH EAST



NORTH

Domestic Well

DIRT BIKE TRACK

FORMER HIGH'S #129

FORMER CIRCLE MOTEL

Domestic Well

MW-5  
MTBE 21 ug/L  
Ethylbenzene 1 ug/L

MW-8  
MTBE 270 ug/L  
Xylene 3 ug/L

MW-7  
MTBE=47 ug/L

MW-3  
ND

G W F L O W

A.C. Auto Sales

PULASKI HIGHWAY

WELL ID	DATE	TOP OF CASING ELEVATION (FT)	DEPTH TO WATER (FT)	DEPTH TO PRODUCT (FT)	PRODUCT THICKNESS (FT)	CORRECTED GW ELEVATION (FT)	BENZENE ug/L	TOLUENE ug/L	ETHYLBENZENE ug/L	XYLENES ug/L	TOTAL BTEX ug/L	MTBE ug/L
MWV-3	2/10/2006	7.15	6.36	ND	ND	86.49	ND	ND	ND	ND	ND	3,300
	6/19/2006	7.15	7.48	ND	ND	86.37	ND	ND	ND	ND	ND	1,800
	9/14/2006	7.15	7.54	ND	ND	85.31	ND	ND	ND	ND	ND	2,000
	10/3/2006	7.15	6.87	ND	ND	85.98	ND	ND	ND	ND	ND	1,800
	1/3/2007	7.15	6.52	ND	ND	86.33	ND	ND	ND	ND	ND	1,600
	4/13/2007	7.15	5.98	ND	ND	86.87	ND	ND	ND	ND	ND	2,800
	7/25/2007	7.15	6.12	ND	ND	86.73	3	ND	ND	1	4	1,100
	10/11/2007	7.15	9.48	ND	ND	83.37	21	ND	ND	2	23	2,400
	1/8/2008	7.15	9.32	ND	ND	83.53	ND	ND	ND	ND	ND	1,000
	4/11/2008	7.15	6.65	ND	ND	86.20	ND	ND	ND	ND	ND	430
	7/23/2008	7.15	8.18	ND	ND	84.67	20	6	6	18	50	230
	10/7/2008	7.15	8.15	ND	ND	84.7	ND	ND	ND	ND	ND	65
	1/31/2009	7.15	6.58	ND	ND	86.27	ND	ND	ND	ND	ND	180
	5/7/2009	7.15	5.42	ND	ND	87.43	ND	ND	ND	ND	ND	340
	7/2/2009	7.15	NG	ND	ND	NG	ND	ND	ND	ND	ND	350
	10/16/2009	7.15	7.18	ND	ND	85.67	4	ND	ND	ND	4	500
2/18/2010	7.15	5.56	ND	ND	87.29	ND	ND	ND	ND	ND	430	
5/18/2010	7.15	6.08	ND	ND	86.77	ND	ND	ND	ND	ND	65	
8/23/2010	6.82	8.02	ND	ND	85.16	3	ND	ND	ND	3	250	
2/27/2011	6.82	5.56	ND	ND	87.62	ND	ND	ND	ND	ND	310	
5/23/2011	93.18	5.92	ND	ND	87.26	2	ND	ND	ND	ND	460	
8/19/2011	93.18	6.8	ND	ND	86.38	ND	ND	ND	ND	ND	ND	
2/10/2006	9.43	4.95	ND	ND	85.62	ND	2	ND	ND	2	12	
6/19/2006	9.43	5.94	ND	ND	84.63	ND	ND	ND	ND	ND	50	
9/14/2006	9.43	6.03	ND	ND	84.54	ND	ND	ND	ND	ND	ND	
10/3/2006	9.43	5.13	ND	ND	85.44	ND	ND	ND	ND	ND	1	
1/17/2007	9.43	5.01	ND	ND	85.56	ND	ND	ND	ND	ND	1	
4/13/2007	9.43	4.60	ND	ND	85.97	ND	ND	ND	ND	ND	3	
7/25/2007	9.43	4.69	ND	ND	85.88	ND	ND	ND	ND	ND	1	
10/11/2007	9.43	7.21	ND	ND	83.36	ND	ND	ND	ND	ND	11	
1/8/2008	9.43	5.29	ND	ND	85.28	ND	ND	ND	ND	ND	7	
4/11/2008	9.43	4.99	ND	ND	85.58	ND	ND	ND	ND	ND	4	
7/23/2008	9.43	6.23	ND	ND	84.34	ND	ND	ND	ND	ND	ND	
10/7/2008	9.43	6.25	ND	ND	84.32	ND	ND	ND	ND	ND	ND	
1/31/2009	9.43	4.82	ND	ND	85.75	ND	ND	ND	ND	ND	ND	
5/7/2009	9.43	3.94	ND	ND	86.63	ND	ND	ND	ND	ND	ND	
7/14/2009	9.43	5.99	ND	ND	84.58	ND	ND	ND	ND	ND	2	
10/16/2009	9.43	5.29	ND	ND	85.28	ND	ND	ND	ND	ND	5	
2/18/2010	9.43	3.69	ND	ND	86.88	ND	ND	ND	ND	ND	ND	
5/18/2010	9.43	4.01	ND	ND	86.56	ND	ND	ND	ND	ND	ND	
8/23/2010	9.43	7.09	ND	ND	83.48	ND	ND	ND	ND	ND	3	
2/27/2011	9.43	3.69	ND	ND	86.88	ND	ND	ND	ND	ND	ND	
5/23/2011	90.57	3.69	ND	ND	86.88	ND	ND	ND	ND	ND	ND	
8/19/2011	90.57	5.62	ND	ND	84.95	1	ND	ND	ND	ND	21	
MWV-5												

WELL ID	DATE	TOP OF CASING ELEVATION (FT)	DEPTH TO WATER (FT)	DEPTH TO PRODUCT (FT)	PRODUCT THICKNESS (FT)	CORRECTED GW ELEVATION (FT)	BENZENE ug/L	TOLUENE ug/L	ETHYLBENZENE ug/L	XYLENES ug/L	TOTAL BTEX ug/L	MTBE ug/L
MMW-7	7/2/2009	3.92	NG	NG	NG	NG	ND	ND	34	168	202	57
	10/16/2009	3.92	8.60	ND	ND	87.48	ND	ND	16	49	65	100
	2/18/2010	3.92	6.47	ND	ND	89.61	ND	ND	ND	ND	ND	110
	3/19/2010	3.92	6.73	ND	ND	89.35	15	ND	ND	32	47	58
	8/23/2010	3.92	9.13	ND	ND	86.95	ND	ND	8	23	31	55
MMW-8	2/27/2011	3.92	6.47	ND	ND	89.61	ND	ND	11	28	39	58
	5/23/2011	96.08	7.36	ND	ND	88.72	ND	ND	ND	ND	ND	96
	8/19/2011	96.08	8.99	ND	ND	87.19	ND	ND	ND	ND	ND	47
	7/2/2009	3.92	NG	NG	NG	NG	2	ND	2	ND	4	280
	10/16/2009	3.92	8.52	ND	ND	87.56	2	ND	1	ND	3	290
GROUNDWATER STANDARDS ug/L	2/18/2010	3.92	7.43	ND	ND	88.65	ND	ND	19	66	85	120
	5/18/2010	3.92	7.59	ND	ND	88.49	ND	ND	ND	ND	ND	99
	8/23/2010	5.58	9.35	ND	ND	85.07	ND	ND	ND	ND	ND	160
	2/27/2011	5.58	7.43	ND	ND	86.99	ND	ND	ND	ND	ND	140
	5/23/2011	94.42	7.58	ND	ND	86.84	ND	ND	3	8	11	59
8/19/2011	94.42	8.06	ND	ND	86.36	6	ND	ND	3	9	270	
							5	1,000	700	10,000	11,705	20

NS = Not Sampled ND = Not Detected NA = Not Analyzed NG = Not Gauged  
concentrations over the clean-up standards



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Nutshell Enterprises  
4059 Norrisville Road  
Jarrettsville, MD 21084

Date Sampled: 08/19/11 12:10  
Date Received: 08/25/11 13:40  
Date Issued: 09/06/11

Project: High's NE  
Site Location: North East, MD

SDG Number: 11082506

Field Sample ID: MW-3 Matrix: Water Lab ID: 11082506-04

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Chloromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Vinyl chloride	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Bromomethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Chloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 14:46	JKL
1,1-Dichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Acetone	ND	ug/L	10	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Carbon disulfide	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Methyl acetate	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Methylene chloride	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 14:46	JKL
trans-1,2-Dichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Methyl t-butyl ether (MTBE)	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
1,1-Dichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
cis-1,2-Dichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
2-Butanone (MEK)	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Chloroform	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
1,1,1-Trichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Cyclohexane	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Carbon tetrachloride	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Benzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
1,2-Dichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Trichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Methylcyclohexane	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 14:46	JKL
1,2-Dichloropropane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Bromodichloromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
cis-1,3-Dichloropropene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Toluene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
trans-1,3-Dichloropropene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
1,1,2-Trichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Tetrachloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
2-Hexanone (MBK)	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Dibromochloromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
1,2-Dibromoethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Chlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
Ethylbenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL
m&p-Xylene	ND	ug/L	2	EPA 8260B	09/02/11	09/02/11 14:46	JKL
o-Xylene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Nutshell Enterprises  
4059 Norrisville Road  
Jarrettsville, MD 21084

Date Sampled: 08/19/11 12:10  
Date Received: 08/25/11 13:40  
Date Issued: 09/06/11

Project: High's NE  
Site Location: North East, MD

SDG Number: 11082506

Field Sample ID:	MW-3	Matrix:	Water	Lab ID:	11082506-04			
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.	
<b>Target Compound List - VOLATILES</b>								
Styrene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL	
Bromoform	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL	
Isopropylbenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL	
1,1,2,2-Tetrachloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL	
1,3-Dichlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL	
1,4-Dichlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL	
1,2-Dichlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL	
1,2-Dibromo-3-chloropropane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL	
1,2,4-Trichlorobenzene	ND	ug/L	2	EPA 8260B	09/02/11	09/02/11 14:46	JKL	
Naphthalene	ND	ug/L	10	EPA 8260B	09/02/11	09/02/11 14:46	JKL	
Ethyl t-butyl ether (ETBE)	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL	
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	09/02/11	09/02/11 14:46	JKL	
Diisopropyl ether (DIPE)	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL	
tert-Amyl methyl ether (TAME)	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL	
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	09/02/11	09/02/11 14:46	JKL	
tert-Amyl ethyl ether (TAAE)	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 14:46	JKL	

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation

ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist



# CALIBER ANALYTICAL SERVICES

## Certificate of Analysis

Nutshell Enterprises  
4059 Norrisville Road  
Jarrettsville, MD 21084

Date Sampled: 08/19/11 23:00  
Date Received: 08/25/11 13:40  
Date Issued: 09/06/11

Project: High's NE  
Site Location: North East, MD

SDG Number: 11082506

Field Sample ID: MW-5 Matrix: Water Lab ID: 11082506-05

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Chloromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Vinyl chloride	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Bromomethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Chloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 15:33	JKL
1,1-Dichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Acetone	ND	ug/L	10	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Carbon disulfide	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Methyl acetate	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Methylene chloride	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 15:33	JKL
trans-1,2-Dichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Methyl t-butyl ether (MTBE)	21	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
1,1-Dichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
cis-1,2-Dichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
2-Butanone (MEK)	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Chloroform	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
1,1,1-Trichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Cyclohexane	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Carbon tetrachloride	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Benzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
1,2-Dichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Trichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Methylcyclohexane	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 15:33	JKL
1,2-Dichloropropane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Bromodichloromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
cis-1,3-Dichloropropene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Toluene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
trans-1,3-Dichloropropene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
1,1,2-Trichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Tetrachloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
2-Hexanone (MBK)	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Dibromochloromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
1,2-Dibromoethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Chlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Ethylbenzene	1	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
m&p-Xylene	ND	ug/L	2	EPA 8260B	09/02/11	09/02/11 15:33	JKL
o-Xylene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL



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Nutshell Enterprises  
4059 Norrisville Road  
Jarrettsville, MD 21084

Date Sampled: 08/19/11 23:00  
Date Received: 08/25/11 13:40  
Date Issued: 09/06/11

Project: High's NE  
Site Location: North East, MD

SDG Number: 11082506

Field Sample ID: MW-5 Matrix: Water Lab ID: 11082506-05

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Target Compound List - VOLATILES</b>							
Styrene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Bromoform	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Isopropylbenzene	1	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
1,1,2,2-Tetrachloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
1,3-Dichlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
1,4-Dichlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
1,2-Dichlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
1,2-Dibromo-3-chloropropane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
1,2,4-Trichlorobenzene	ND	ug/L	2	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Naphthalene	ND	ug/L	10	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Ethyl t-butyl ether (ETBE)	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
tert-Butanol (TBA)	39	ug/L	25	EPA 8260B	09/02/11	09/02/11 15:33	JKL
Diisopropyl ether (DIPE)	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
tert-Amyl methyl ether (TAME)	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	09/02/11	09/02/11 15:33	JKL
tert-Amyl ethyl ether (TAAE)	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 15:33	JKL

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation

ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist



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Nutshell Enterprises  
4059 Norrisville Road  
Jarrettsville, MD 21084

Date Sampled: 08/19/11 23:50  
Date Received: 08/25/11 13:40  
Date Issued: 09/06/11

Project: High's NE  
Site Location: North East, MD

SDG Number: 11082506

Field Sample ID: MW-7 Matrix: Water Lab ID: 11082506-06

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Chloromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Vinyl chloride	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Bromomethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Chloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:08	JKL
1,1-Dichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Acetone	ND	ug/L	10	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Carbon disulfide	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Methyl acetate	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Methylene chloride	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:08	JKL
trans-1,2-Dichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Methyl t-butyl ether (MTBE)	47	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
1,1-Dichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
cis-1,2-Dichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
2-Butanone (MEK)	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Chloroform	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
1,1,1-Trichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Cyclohexane	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Carbon tetrachloride	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Benzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
1,2-Dichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Trichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Methylcyclohexane	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:08	JKL
1,2-Dichloropropane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Bromodichloromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
cis-1,3-Dichloropropene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Toluene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
trans-1,3-Dichloropropene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
1,1,2-Trichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Tetrachloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
2-Hexanone (MBK)	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Dibromochloromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
1,2-Dibromoethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Chlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Ethylbenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
m&p-Xylene	ND	ug/L	2	EPA 8260B	09/02/11	09/02/11 16:08	JKL
o-Xylene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL



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Nutshell Enterprises  
4059 Norrisville Road  
Jarrettsville, MD 21084

Date Sampled: 08/19/11 23:50  
Date Received: 08/25/11 13:40  
Date Issued: 09/06/11

Project: High's NE  
Site Location: North East, MD

SDG Number: 11082506

Field Sample ID:	MW-7	Matrix:	Water	Lab ID:	11082506-06		
	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Target Compound List - VOLATILES</b>							
Styrene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Bromoform	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Isopropylbenzene	3	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
1,1,2,2-Tetrachloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
1,3-Dichlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
1,4-Dichlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
1,2-Dichlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
1,2-Dibromo-3-chloropropane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
1,2,4-Trichlorobenzene	ND	ug/L	2	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Naphthalene	ND	ug/L	10	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Ethyl t-butyl ether (ETBE)	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
tert-Butanol (TBA)	ND	ug/L	25	EPA 8260B	09/02/11	09/02/11 16:08	JKL
Diisopropyl ether (DIPE)	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
tert-Amyl methyl ether (TAME)	2	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL
tert-Amyl alcohol (TAA)	ND	ug/L	25	EPA 8260B	09/02/11	09/02/11 16:08	JKL
tert-Amyl ethyl ether (TAEE)	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:08	JKL

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation

ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by:

QC Chemist



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Nutshell Enterprises  
4059 Norrisville Road  
Jarrettsville, MD 21084

Date Sampled: 08/19/11 23:30  
Date Received: 08/25/11 13:40  
Date Issued: 09/06/11

Project: High's NE  
Site Location: North East, MD

SDG Number: 11082506

Field Sample ID: MW-8 Matrix: Water Lab ID: 11082506-07

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Target Compound List - VOLATILES</b>							
Dichlorodifluoromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Chloromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Vinyl chloride	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Bromomethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Chloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Trichlorofluoromethane	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:44	JKL
1,1-Dichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Acetone	ND	ug/L	10	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Carbon disulfide	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Methyl acetate	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Methylene chloride	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:44	JKL
trans-1,2-Dichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Methyl t-butyl ether (MTBE)	270	ug/L	10	EPA 8260B	09/06/11	09/06/11 9:56	JKL
1,1-Dichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
cis-1,2-Dichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
2-Butanone (MEK)	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Chloroform	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
1,1,1-Trichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Cyclohexane	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Carbon tetrachloride	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Benzene	6	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
1,2-Dichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Trichloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Methylcyclohexane	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:44	JKL
1,2-Dichloropropane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Bromodichloromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
cis-1,3-Dichloropropene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Toluene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
trans-1,3-Dichloropropene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
1,1,2-Trichloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Tetrachloroethene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
2-Hexanone (MBK)	ND	ug/L	5	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Dibromochloromethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
1,2-Dibromoethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Chlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Ethylbenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
m&p-Xylene	ND	ug/L	2	EPA 8260B	09/02/11	09/02/11 16:44	JKL
o-Xylene	3	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL



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## Certificate of Analysis

Nutshell Enterprises  
4059 Norrisville Road  
Jarrettsville, MD 21084

Date Sampled: 08/19/11 23:30  
Date Received: 08/25/11 13:40  
Date Issued: 09/06/11

Project: High's NE  
Site Location: North East, MD

SDG Number: 11082506

Field Sample ID: MW-8 Matrix: Water Lab ID: 11082506-07

	Result	Unit	LLQ	Method	Prepared	Analyzed	Init.
<b>Target Compound List - VOLATILES</b>							
Styrene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Bromoform	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Isopropylbenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
1,1,2,2-Tetrachloroethane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
1,3-Dichlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
1,4-Dichlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
1,2-Dichlorobenzene	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
1,2-Dibromo-3-chloropropane	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
1,2,4-Trichlorobenzene	ND	ug/L	2	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Naphthalene	ND	ug/L	10	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Ethyl t-butyl ether (ETBE)	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
tert-Butanol (TBA)	57	ug/L	25	EPA 8260B	09/02/11	09/02/11 16:44	JKL
Diisopropyl ether (DIPE)	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL
tert-Amyl methyl ether (TAME)	85	ug/L	10	EPA 8260B	09/06/11	09/06/11 9:56	JKL
tert-Amyl alcohol (TAA)	62	ug/L	25	EPA 8260B	09/02/11	09/02/11 16:44	JKL
tert-Amyl ethyl ether (TAEE)	ND	ug/L	1	EPA 8260B	09/02/11	09/02/11 16:44	JKL

Notes/Qualifiers:

LLQ- Lowest Level of Quantitation

ND - Not Detected at a concentration greater than or equal to the LLQ.

Approved by: Matt Cohen  
QC Chemist

