

535 Route 38 East, Suite 355
Cherry Hill, New Jersey 08002

T: 856.382.7170
F: 201.236.1607



May 2, 2013

Mr. and Mrs. Donald Gilbert
10 Meadow Spring Drive
Bel Air, Maryland 21015

143732.010

Subject: Water Well Sampling Results
10 Meadow Spring Drive
Bel Air, Maryland 21015

Dear Mr. and Mrs. Gilbert:

Brown and Caldwell, on behalf of Drake Petroleum Company Inc. (Drake) would like to thank you for allowing us to conduct sampling of your drinking water well on March 13, 2013.

The water sample from your well was analyzed for volatile organic compounds (VOCs) including petroleum constituents, using the United States U.S. Environmental Protection Agency (USEPA) approved method for drinking water samples (US EPA Method 524.2). The following constituents were detected in your drinking water well: Chloroform (0.33 micrograms per Liter ($\mu\text{g/L}$)) and Methyl Tertiary Butyl Ether (estimated value of 0.13 $\mu\text{g/L}$). All detected constituents were below Maryland Department of the Environment (MDE) drinking water standards. The MDE drinking water standard for Chloroform is 80 $\mu\text{g/L}$ and Methyl Tertiary Butyl Ether is 20 $\mu\text{g/L}$, which can be found in the Code of Maryland (COMAR) 26.08.02.03-2. Your analytical results are attached.

This sampling completes the MDE sampling requirement for your property as directed in the September 25, 2012 MDE letter to Drake.

Again, thank you for your patience and cooperation. If you have any questions regarding the enclosed test results feel free to call Brown and Caldwell at (856) 324-0485.

Very truly yours,
Brown and Caldwell

A handwritten signature in black ink, appearing to read 'Carolyn Roth', written over a light blue horizontal line.

Carolyn Roth
Project Manager

cc: Eric Harvey, Drake, (*via electronic submittal*)
Susan Bull, Maryland Department of the Environment (*via email and FedEx*)
Jeanette DeBartolomeo, Maryland Department of the Environment (*via email and FedEx*)
Peter Smith, Harford County Health Department (*via email and FedEx*)

Attachments

Attachment: Laboratory Data



Technical Report for

Drake Petroleum Company, Inc.

BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD

143732 PC#007805

Accutest Job Number: JB31642B

Sampling Date: 03/13/13

Report to:

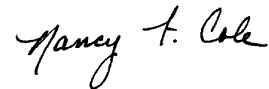
Brown and Caldwell
535 Route 38 East Suite 355
Cherry Hill, NJ 08034

ATTN: Carolyn Roth

Total number of pages in report: 12



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.



Nancy Cole
Laboratory Director

Client Service contact: Kristin Beebe 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Summary of Hits	4
Section 3: Sample Results	5
3.1: JB31642-3: 10 MEADOW-INF	6
Section 4: Misc. Forms	9
4.1: Chain of Custody	10



Sample Summary

Drake Petroleum Company, Inc.

Job No: JB31642B

BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD

Project No: 143732 PC#007805

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
JB31642-3	03/13/13	09:55 HW	03/15/13	DW	Drinking Water Inf	10 MEADOW-INF

Summary of Hits

Job Number: JB31642B
Account: Drake Petroleum Company, Inc.
Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD
Collected: 03/13/13

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

JB31642-3 **10 MEADOW-INF**

Chloroform		0.33 J	0.50	0.069	ug/l	EPA 524.2 REV 4.1
Methyl Tert Butyl Ether		0.13 J	0.50	0.068	ug/l	EPA 524.2 REV 4.1

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 10 MEADOW-INF		
Lab Sample ID: JB31642-3		Date Sampled: 03/13/13
Matrix: DW - Drinking Water Inf		Date Received: 03/15/13
Method: EPA 524.2 REV 4.1		Percent Solids: n/a
Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B77190.D	1	03/20/13	MFH	n/a	n/a	V1B3604
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
67-64-1	Acetone	ND		5.0	1.6	ug/l	
78-93-3	2-Butanone	ND		5.0	1.6	ug/l	
71-43-2	Benzene	ND	5.0	0.50	0.047	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.13	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.088	ug/l	
75-25-2	Bromoform	ND		0.50	0.11	ug/l	
74-83-9	Bromomethane	ND		0.50	0.11	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.12	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.062	ug/l	
75-15-0	Carbon disulfide	ND		0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.046	ug/l	
75-00-3	Chloroethane	ND		0.50	0.16	ug/l	
67-66-3	Chloroform	0.33		0.50	0.069	ug/l	J
74-87-3	Chloromethane	ND		0.50	0.095	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.069	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.048	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.083	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.067	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.095	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.082	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.11	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.080	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.11	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.17	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.075	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.11	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	0.10	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.11	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	10 MEADOW-INF	Date Sampled:	03/13/13
Lab Sample ID:	JB31642-3	Date Received:	03/15/13
Matrix:	DW - Drinking Water Inf	Percent Solids:	n/a
Method:	EPA 524.2 REV 4.1		
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.073	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.063	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.094	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.10	ug/l	
108-20-3	Di-Isopropyl ether	ND		0.50	0.062	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.14	ug/l	
637-92-3	Ethyl tert Butyl Ether	ND		0.50	0.064	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.096	ug/l	
110-54-3	Hexane	ND		0.50	0.28	ug/l	
591-78-6	2-Hexanone	ND		2.0	0.37	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.11	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.053	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.11	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.13		0.50	0.068	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.47	ug/l	
91-20-3	Naphthalene	ND		0.50	0.060	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.12	ug/l	
100-42-5	Styrene	ND	100	0.50	0.058	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND		0.50	0.050	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.097	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.041	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.075	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.053	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.073	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.12	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.091	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.12	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.079	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.15	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.15	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND		5.0	2.4	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.12	ug/l	
	m,p-Xylene	ND		1.0	0.18	ug/l	
95-47-6	o-Xylene	ND		0.50	0.12	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.12	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 10 MEADOW-INF		Date Sampled: 03/13/13
Lab Sample ID: JB31642-3		Date Received: 03/15/13
Matrix: DW - Drinking Water Inf		Percent Solids: n/a
Method: EPA 524.2 REV 4.1		
Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD		

VOA List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	91%		78-114%
460-00-4	4-Bromofluorobenzene	96%		77-115%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
 MCL = Maximum Contamination Level (40 CFR 141)
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB31642 **Client:** _____ **Project:** _____
Date / Time Received: 3/15/2013 **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Initial/Adjusted): #1: (2/2); 0

Cooler Security		<u>Y or N</u>		<u>Y or N</u>
1. Custody Seals Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/> <input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. SmpI Dates/Time OK	<input checked="" type="checkbox"/> <input type="checkbox"/>

Cooler Temperature		<u>Y or N</u>
1. Temp criteria achieved:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Cooler temp verification:	Bar Therm _____	
3. Cooler media:	Ice (Bag) _____	
4. No. Coolers:	1 _____	

Quality Control Preservation	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
4. VOCs headspace free:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Sample Integrity - Documentation		<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>			<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>			<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>			<input type="checkbox"/>

Sample Integrity - Condition		<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>			<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>			<input type="checkbox"/>
3. Condition of sample:	Intact _____			

Sample Integrity - Instructions	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

4.1
4

Job Change Order: JB31642_4_12_2013

Requested Date: 4/12/2013 **Received Date:** 3/15/2013
Account Name: Drake Petroleum Company, Inc. **Due Date:** 3/22/2013
Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 **Deliverable:** COMMA
CSR: kristinb **TAT (Days):** 1

Sample #: JB31642-ALL **Change:**
Dept: Please place each sample on a separate job so that
Dept: separate reports will be generated. Revised reports
needed Monday by noon.

=====

JB31642B: Chain of Custody
Page 3 of 3

Above Changes Per: Client / Rob Jeffrey **Date:** 4/12/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service