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

T: 856.382.7170
F: 201.236.1607

May 2, 2013

Mr. Charles Russell and Ms. Dorothy Watson
7 Meadow Spring Drive
Bel Air, Maryland 21015

143732.010

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

Dear Mr. Russell and Ms. Watson:

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: Methyl Tertiary Butyl Ether (estimated value of 0.14 µg/L). All detected constituents were below Maryland Department of the Environment (MDE) drinking water standards. The MDE drinking water standard for Methyl Tertiary Butyl Ether is 20 µg/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

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

New Jersey ACCUTEST LABORATORIES

04/15/13

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: JB31642

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

Sections: 1 2 3 4

Table of Contents

Sample Summary

Drake Petroleum Company, Inc.

Job No: JB31642

BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD
Project No: 143732 PC#007805

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB31642-1	03/13/13	10:00	HW	03/15/13	DW	Drinking Water Inf	7 MEADOW-INF

Summary of Hits

Job Number: JB31642
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 / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB31642-1	**7 MEADOW-INF**					
Methyl Tert Butyl Ether		0.14 J	0.50	0.068	ug/l	EPA 524.2 REV 4.1

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 7 MEADOW-INF
Lab Sample ID: JB31642-1 **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

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B77186.D	1	03/20/13	MFH	n/a	n/a	V1B3604
Run #2							

	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	ND		0.50	0.069	ug/l	
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: 7 MEADOW-INF
Lab Sample ID: JB31642-1 **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

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	0.14		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:	7 MEADOW-INF		
Lab Sample ID:	JB31642-1	**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		

VOA List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	93%		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

New Jersey ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

PW

CHAIN OF CUSTODY

ACCUTEST Laboratories

495 Tech Center West, Bldg. 1, Marlboro, MA 01752
508-481-6200 FAX: 508-481-7753

FED-EX Tracking # | Bottle Order Control #

Accutest Quote # | Accutest Job # JB31642

Client / Reporting Information

Company Name: Drake Petroleum Company, Inc. Attn: Eric Harvey
Address: P.O. Box 866 221 Quinebaug Road
City: North Grosvenordale State: CT Zip: 06255
Project Contact: Carolyn Roth Croth@Brwncald.com
Phone #: 856-324-0485
Samplers's Name: Hunter White & Rob Jeffrey

Project Information

Project Name: Bel Air Xtra Fuels, PC #007805
Street: 2476 Churchville Road
City: Bel Air State: MD
Project #: 143732
Fax #:
Client Purchase Order #: #007805

Requested Analysis

Full Suite VOCs w/ Fuel Oxygenates and TICs via EPA method 524.2

Matrix Codes

DW- Drinking Water
GW- Ground Water
WW- Water
SW- Surface Water
SO- Soil
SL-Sludge
OI-Oil
LIQ- Other Liquid
AIR- Air
SOL-Other Solid
WP-Wipe

Accutest Sample #	Field ID / Point of Collection	SUMMA # / MEOH Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NaHSO4	MEOH	BENZENE	LAB USE ONLY
	~~3 Meadow- Inf~~				HW/ RJ	DW	3	~~3~~						X	
	~~5 Meadow- Inf~~				~~HW/RJ~~	~~DW~~	~~3~~	~~3~~						~~X~~	2211
-1	7 Meadow- Inf		3/13/13	1000	HW/RJ	DW	3	3						X	
-2	9 Meadow- Inf		3/13/13	1040	HW/RJ	DW	3	3						X	
-3	10 Meadow- Inf		3/13/13	0955	HW/ RJ	DW	3	3						X	
-4	2303 Churchville- Inf		3/13/13	1015	HW/RJ	DW	3	3						X	

Data Deliverable Information

- [X] Std. 10 Business Days — Approved By:/ Date:
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*
- [ ] Other

Emergency T/A data available VIA Lablink

- [X] Commercial "A"
- [ ] Commercial "B"
- [ ] NJ Reduced
- [ ] NJ Full
- [ ] Other
- [ ] FULL CLP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [X] EDD Format

Commercial "A" = Results Only

Comments / Remarks

EDD to Carolyn Roth when completed. croth@brwncald.com

Only 4 samples @ 3 bottles each.

No Trip Blank Received

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Hunter White	3-15-13	1	2	3-15-13 1830	2
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
			3	4		4
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp.
			5		☐	2.0 C

2A

JB31642: Chain of Custody
Page 1 of 3

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	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Bar Therm		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

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
Dept:
Dept:

Change:
Please place each sample on a separate job so that separate reports will be generated. Revised reports needed Monday by noon.

==========

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

Page 1 of 1

4.1

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JB31642: Chain of Custody
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