T: 856.382.7170 F: 201.236.1607



May 2, 2013

Mr. Paul Drust 2303 Churchville Road Bel Air, Maryland 21015

143732.010

Subject: Water Well Sampling Results

2303 Churchville Road Bel Air, Maryland 21015

Dear Mr. Drust:

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 (0.58 micrograms per Liter (µg/L)) and Methyl Tertiary Butyl Ether (estimated value of All detected constituents were below Maryland Department of the $0.56 \,\mu g/L$). Environment (MDE) drinking water standards. The MDE drinking water standard for Chloroform is 80 µg/L and 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

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





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: JB31642C

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.

Maney f. Cole
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.

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3.1: JB31642-4: 2303 CHURCHVILLE-INF	
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Sample Summary

Drake Petroleum Company, Inc.

Job No:

JB31642C

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

Sample	Collected	I		Matr	rix	Client
Number	Date	Time By	Received	Code	e Type	Sample ID
JB31642-4	03/13/13	10:15 HW	03/15/13	DW	Drinking Water Inf	2303 CHURCHVILLE-INF



Page 1 of 1

Summary of Hits Job Number: JB31642C

Account: Drake Petroleum Company, Inc.

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

Collected: 03/13/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB31642-4	2303 CHURCHVI	ILLE-INF				
Chloroform Methyl Tert Buty	l Ether	0.58 0.56	0.50 0.50	0.069 0.068	ug/l ug/l	EPA 524.2 REV 4.1 EPA 524.2 REV 4.1



Sample Results
Report of Analysis



Report of Analysis

Client Sample ID: 2303 CHURCHVILLE-INF

Lab Sample ID: JB31642-4 **Date Sampled:** 03/13/13 Matrix: **Date Received:** 03/15/13 DW - Drinking Water Inf 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	1B77187.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	0.58		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 detectedMDL - 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: 2303 CHURCHVILLE-INF

Lab Sample ID: JB31642-4 **Date Sampled:** 03/13/13 Matrix: **Date Received:** 03/15/13 DW - Drinking Water Inf 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	0.56		0.50	0.068	ug/l
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





Page 3 of 3



Client Sample ID: 2303 CHURCHVILLE-INF

Date Sampled: 03/13/13 Lab Sample ID: JB31642-4 Matrix: **Date Received:** 03/15/13 DW - Drinking Water Inf Method: EPA 524.2 REV 4.1 Percent Solids: n/a BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD **Project:**

VOA List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
2199-69-1 460-00-4	1,2-Dichlorobenzene-d4 4-Bromofluorobenzene	90% 95%		78-114% 77-115%		
CAS No.	Tentatively Identified Compo	ounds	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







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Custody Documents and Other Forms

Includes the following where applicable:

· Chain of Custody



AlaA	
ACCUTES	

CHAIN OF CUSTODY

-4	ACCUTES	emerco.					95 1ecn)8-481-6						oro, M	FED-EX	32 Tracking#				Bott	le Order	Control #			
	Laboratori	Accordance of										i		Accutes	t Quote #				Acc	itest Job	" J	B 3 I	64	2
	Client / Reporting Information				Proje	ect Info	rmation										- 1	R	queste	d Analy	rsis	1		Matrix Codes
Company N	ame	4		Project N			Ktra Fuel		#00790							T		T	1	1	T	T	***********	DW- Drinking Water
	etroleum Company, Inc. Attn: Eric Harvey				ame.	Del All	Alla i uci	3, FC	,,00100			*****	****	- Ka						ļ	1			GW- Ground Water
Address				Street										ICS.							1	1 1		WW- Water
P.O. Box City	866 221 Quinebaug Road State		Zip		rchville Road									and I		ı			i		1			SW- Surface Water
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Project Con	tact: Carolyn Roth	Croth@Bry	vncald.co	Project #	143732									Oxygenates		- 1								
Phone #	Carolyn Rotti	m		Fax#										Fuel		- 1								LIQ- Other Liquid
	856-324-0485			L										1 × 0						- 1		1 1		AIR- Air
Samplers's	Name Hunter White & Rob Jeffrey			Client Pu	rchase Order	#	#00780	5						VOCs v od 524.										SOL-Other Solid
Accutest		SUMMA#	Γ	Collecti	on		T	Nun	ber of	pres	erve	1 Bot	tles	te VC		- 1								WP-Wipe
Sample #				T			# of					7	00	Full Suite \ EPA metho		-	- 1				1			LAB USE ONLY
Sample #	Field ID / Point of Collection	MEOH Vial #	Date	Time	Sampled by	Matrix	bottles	Ÿ.	HO E	H2SO	NON	Te l	ODN3	2.0										LAB USE ONL!
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1	7 Meadow- Inf		3/13/13	1000	HW/RJ	DW	3	3		1 1	İ			X								1 1		
-2	9 Meadow- Inf		3/13/13	1040	HW/RJ	DW	3	.3						Х										
- 3	10 Meadow- Inf		3/13/13	0955	HW/ RJ	DW	3	3						X								Ш		
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JB31642C: Chain of Custody Page 1 of 3





Accutest Laboratories Sample Receipt Summary

ACCUTEST: LABORATORIES

Accutest Job Number: J	B31642		Client:				Project:			
Date / Time Received: 3	/15/2013			Delivery I	Method:		Airbill #'s:			
Cooler Temps (Initial/Adju	sted): #	1: (2/2);	0							
Cooler Security	Y or N				Y or	· N	Sample Integrity - Documentation	<u>Y</u>	or N	_
			. COC Pr		\checkmark		Sample labels present on bottles:	✓		
2. Custody Seals Intact:	✓ [4. Si	mpl Date:	s/Time OK	✓		Container labeling complete:	✓		
Cooler Temperature	Υ	or N					3. Sample container label / COC agree:	\checkmark		
1. Temp criteria achieved:	\checkmark						Sample Integrity - Condition	<u>Y</u>	or N	_
2. Cooler temp verification:		ar Therm					1. Sample recvd within HT:	✓		
3. Cooler media:		lce (Bag)					All containers accounted for:	✓		
4. No. Coolers:		1					3. Condition of sample:		Intact	
Quality Control Preservat	ion Y	or N	N/A				Sample Integrity - Instructions	<u>Y</u>	or N	N/A
Trip Blank present / cooler:	_	\checkmark					Analysis requested is clear:	V		
2. Trip Blank listed on COC:		✓					2. Bottles received for unspecified tests		\checkmark	
3. Samples preserved proper	ly: 🔽						3. Sufficient volume recvd for analysis:	✓		
4. VOCs headspace free:	\checkmark						4. Compositing instructions clear:			\checkmark
							5. Filtering instructions clear:			~
Comments										
Accutest Laboratories V:732.329.0200							Highway 130 329,3499			Dayton, New Jersey www/accutest.com

JB31642C: Chain of Custody

Page 2 of 3



JB31642_4_12_2013 Job Change Order:

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

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

needed Monday by noon.

JB31642C: Chain of Custody Page 3 of 3

Date: 4/12/2013

Page 1 of 1

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

Client / Rob Jeffrey

Above Changes Per:

