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

T: 856.382.7170 F: 201.236.1607



May 2, 2013

Mr. John Venturella 9 Meadow Spring Drive Bel Air, Maryland 21015

143732.010

Subject: Water Well Sampling Results 9 Meadow Spring Drive Bel Air, Maryland 21015

Dear Mr. Venturella:

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 0.21 micrograms per liter (μ g/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





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: JB31642A



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



Mancy F. Cole

Nancy Cole Laboratory Director

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.

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.

New Jersey • 2235 Route 130 • Dayton, NJ 08810 • tel: 732-329-0200 • fax: 732-329-3499 • http://www.accutest.com



Table of Contents

1 2

ω

4

-1-

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



Sample Summary

Drake Petroleum Company, Inc.

Job No: JB31642A BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD Project No: 143732 PC#007805

Sample	Collected			Matr		Client
Number	Date	Time By	Received	Code	е Туре	Sample ID
JB31642-2	03/13/13	10:40 HW	03/15/13	DW	Drinking Water Inf	9 MEADOW-INF



Summary of Hits

Job Number:	JB31642A
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
JB31642-2	9 MEADOW-INF					
Methyl Tert Buty	l Ether	0.21 J	0.50	0.068	ug/l	EPA 524.2 REV 4.1



Ν





ω

Sample Results

Report of Analysis



Accutest Laboratories

Client Sam Lab Sampl Matrix: Method: Project:	le ID:	EPA 524.	2 nking 2 RE	Water Inf V 4.1	tra Fuels,	D	ate Received: () ercent Solids: n	/a
Run #1 Run #2	File ID 1B77191		DF 1	Analyzed 03/20/13	By MFH	Prep Date n/a	Prep Batch n/a	Analytical Batch V1B3604
Run #1	Purge V 5.0 ml	olume						

Report of Analysis

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 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



JB31642A

Page 1 of 3

ა 1

ω

Client Sample ID:	9 MEADOW-INF	
Lab Sample ID:	JB31642-2	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

Report of Analysis

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	0.21		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 detectedMDL - Method Detection LimitMCL = 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 2 of 3

ယ

ω -



Accutest Laboratories

Total TIC, Volatile

Client Samj Lab Sample Matrix: Method: Project:	-	9 MEADOW-INF JB31642-2 DW - Drinking Water EPA 524.2 REV 4.1 BCNJCH:PC# 00780		a Fuels, 247	Date Sampled: 03/13/13 Date Received: 03/15/13 Percent Solids: n/a 76 Churchville Road, Bel Air, MD
VOA List					
CAS No.	Surro	gate Recoveries	Run# 1	Run# 2	Limits
2199-69-1 460-00-4	,	ichlorobenzene-d4 mofluorobenzene	93% 96%		78-114% 77-115%
CAS No.	Tenta	tively Identified Com	pounds	R.T.	Est. Conc. Units Q

0

ug/l

Report of Analysis

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



8 of 12

ACCUTEST

JB31642A

Page 3 of 3

<u>3.</u>

ω

Section 4

4



Misc. Forms
Custody Documents and Other Forms
Custody Documents and Other Forms

Includes the following where applicable:

• Chain of Custody



, Anthe A	77				pir	1		
~	A	C	C	U	Ĩ	Consta	G)

CHAIN OF CUSTODY

Ade A					U	4	95 Tech									52										
4	ACCUTES	T)8-481-4							,	FED-EX	fracking	#				Bottle	Order Co	ontroi #			
4888383	Laboratori	es											i		Accutes	Quote #					Accute	st Job #	JE	331	64	2
	Client / Reporting Information		943.43668		Proj	ect Info	rmation		55.03	20102	23539		1223	3185						Requ	ested .	Analys	is 1			Matrix Codes
Company N				Project N	lame:	Bel Air 3	Ktra Fue	ls. PC	#007	805								Τ			1	1				DW- Drinking Water
Drake Pe Address	etroleum Company, Inc. Attn: Eric Harvey			Street											s via									11		GW- Ground Water
	866 221 Quinebaug Road				1 24 12 1										TICs											WW- Water
City	State		Zip	City	rchville Road				State						and					1						SW- Surface Water SO- Soil
North Gr	osvenordale CT	06255		Bel Air						MD					ates											SL-Sludge
Project Con		Croth@Bry m	vncald.co	Project #	143732										Oxyger											Ol-Oil LIQ- Other Liquid
Phone #				Fax #											Fuel											
Samplers's	856-324-0485 Name Hunter White & Rob Jeffrey			Client Pu	rchase Order	r #									Cs w/ 524.2											AIR- Air
Accutest		SUMMA #				·	#00780		abar			-	attle		88											SOL-Other Solid
1		SUMMA#		Collect	T		# of	INUI	T			erved	1	8	Suite '											WP-Wipe
Sample #	Field ID / Point of Collection	MEOH Vial #	Date	Time	Sampled by	Matrix	bottles	E F	NaC	HNC3	H2804	NON	MEOH	<u><u></u> Ng</u>	EPA -				ļ		ļ	_				LAB USE ONLT
	3 Meadow-Inf				HW/RJ	DW	3	3		-					-X											
~~~	5 Meadew-Inf				HW/RJ-	-DW-		3							-X-											2211
-1	7 Meadow- Inf		3/13/13	1000	HW/RJ	DW	3	3							Х											
-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							Х											
-4	2303 Churchville- Inf		3/13/13	1015	HW/RJ	DW	3	3							Х											
			L			L																				
	Std. 10 Business Days	Approved By	n Deter	er and sold	X Com	Data De		Infor	natior FUL		P			1999		2611100	<u> 1999</u>		5	C	ommen	its / Rem	larks			
	10 Day RUSH	Approved by	J Date.		1	nercial "I						jory A				EDD to	Caroly	n Roth	when c	omnlei	ed cr	oth@brv	wncald	com		
	5 Day RUSH					duced						jory B					0					0			7	
	3 Day EMERGENCY				NJ Fu					te Fo						Ø	rly	-	4	5	nmf	<u>, les</u>	30	2	5	Lottles
	2 Day EMERGENCY				Other	·		X	ED	D Fo	rmat						0				1					
	] 1 Day EMERGENCY Other				Comm	ercial "A	Been										Ce	ach								
Emer	gency T/A data available VIA Labli	ink		- ,		a. oran A	- 1050		y											٨	ίο τ	rin I	Ria		2	eived
	' Sample Cus	tody must b	e docume	enjed ben	δw each tim	e samp	les cha	nger	osse	ssio	n, in	cludi	g co	rien	deliver	y.~?				18	100	1000000			<del>je</del> c	eived
Relinquis	hed by Sampler:		Date Time: B-/S-	11	Received By	* //			2	Τ	Relinc	puished	By:	$\mathcal{P}$	1	7_	Date Tir ク	ne:	r	.5		/ed By:	$\overline{}$	X.	11	
1 Relingue	NATE VOINTE		Date Time:		Received By		~~~	<u>~</u>	2	4	2 Reline	quished	By:		2	e-	Date Tir		5-1	( )	2 Receiv	/ed Bv		1th	4	A
3					3						4										4			- 1	)	1 AL
Relinquis	shed by:	1	Date Time:		Received By	<i>I</i> :					Custo	dy Sea	#			Preserv	ed where	applica	ble		14		Onlo		Coole	r Temp.
5		1	L		5																		20			2000

2A

# JB31642A: Chain of Custody Page 1 of 3



4.1 4



#### 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 I	<u>N</u>		Y	or N	Sample Integrity - Documentation	Y	or	Ν	
<ol> <li>Custody Seals Present:</li> <li>Custody Seals Intact:</li> </ol>	<ul><li>✓</li><li>✓</li><li>✓</li></ul>		3. COC Present: Smpl Dates/Time OK	<ul><li>✓</li></ul>		<ol> <li>Sample labels present on bottles:</li> <li>Container labeling complete:</li> </ol>	✓ ✓			
Cooler Temperature	Y	or N				3. Sample container label / COC agree:	$\checkmark$			
<ol> <li>Temp criteria achieved:</li> <li>Cooler temp verification:</li> <li>Cooler media:</li> <li>No. Coolers:</li> </ol>	-	Bar Therm Ice (Bag) 1				Sample Integrity - Condition 1. Sample recvd within HT: 2. All containers accounted for: 3. Condition of sample:	<u>Υ</u> ✓	or Intac		
Quality Control Preservat	<u>ion Y</u>	or N	N/A			Sample Integrity - Instructions	v	or	N	N/A
<ol> <li>Trip Blank present / cooler</li> <li>Trip Blank listed on COC:</li> </ol>		✓ ✓				Analysis requested is clear:     Souther received for unspecified tests				
3. Samples preserved proper	ly: 🔽					3. Sufficient volume recvd for analysis:	$\checkmark$			
4. VOCs headspace free:	$\checkmark$					4. Compositing instructions clear:				$\checkmark$
						5. Filtering instructions clear:				$\checkmark$

Comments

Accutest Laboratories V:732.329.0200 2235 US Highway 130 F: 732.329.3499

Dayton, New Jersey www/accutest.com 4.1 **4** 

# JB31642A: Chain of Custody Page 2 of 3



4.1
4

Page 1 of 1

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

Date: 4/12/2013

Above Changes Per: Client / Rob Jeffrey

JB31642A: Chain of Custody Page 3 of 3

	12 of 12
	CUTEST
JB31642A	LABORATORIES

4_12_201
JB31642_4
Change Order:
Job (

ო

Requested Date:	<b>e:</b> 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, 24	2476 Deliverable:	COMMA
CSR:	kristinb	TAT (Days):	<del>.</del>
Sample #: Dept: Dept:	Sample #: JB31642-ALL C Dept: s Dept: s	Change: Change: Please place each sample on a separate job so that separate reports will be generated. Revised reports needed Monday by noon.	separate job so that ed. Revised reports