

**Technical Report for**

**Drake Petroleum Company, Inc.**

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

**146282.003.003**

**Accutest Job Number: JB88160**

**Sampling Date: 02/11/15**

**Report to:**

**Brown & Caldwell**

**JMaciejewski@brwncald.com**

**ATTN: Jen Maciejewski**

**Total number of pages in report: 14**



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

*Nancy F. Cole*

**Nancy Cole**  
**Laboratory Director**

**Client Service contact: Victoria Pushkova 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), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, VA, WV, DoD ELAP (L-A-B L2248)

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Test results relate only to samples analyzed.

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## Sample Summary

Drake Petroleum Company, Inc.

Job No: JB88160

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

Project No: 146282.003.003

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB88160-1	02/11/15	09:00 BQ	02/12/15	AQ	Effluent	SYS-EFF-150211
JB88160-2	02/11/15	09:10 BQ	02/12/15	AQ	Influent	SYS-INF-150211

## Summary of Hits

Job Number: JB88160  
Account: Drake Petroleum Company, Inc.  
Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD  
Collected: 02/11/15

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB88160-1	SYS-EFF-150211					
Tert Butyl Alcohol		2650	100	47	ug/l	SW846 8260B
JB88160-2	SYS-INF-150211					
Benzene		149	2.5	1.0	ug/l	SW846 8260B
Toluene		538	5.0	1.1	ug/l	SW846 8260B
Ethylbenzene		138	5.0	2.0	ug/l	SW846 8260B
Xylene (total)		1630	5.0	1.0	ug/l	SW846 8260B
Methyl Tert Butyl Ether		168	5.0	1.3	ug/l	SW846 8260B
Tert Butyl Alcohol		1820	50	23	ug/l	SW846 8260B
Naphthalene		81.3	25	1.7	ug/l	SW846 8260B
Di-Isopropyl ether		6.7 J	10	1.0	ug/l	SW846 8260B
tert-Amyl Methyl Ether		13.2	10	1.3	ug/l	SW846 8260B
TPH-GRO (C6-C10)		7.80	0.20	0.038	mg/l	SW846 8015C
TPH-DRO (C10-C28)		4.90	0.083	0.080	mg/l	SW846 8015C

**Sample Results**

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**Report of Analysis**

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## Report of Analysis

Client Sample ID:	SYS-EFF-150211	Date Sampled:	02/11/15
Lab Sample ID:	JB88160-1	Date Received:	02/12/15
Matrix:	AQ - Effluent	Percent Solids:	n/a
Method:	SW846 8260B	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	3A138980.D	1	02/16/15	ZH	n/a	n/a	V3A6015
Run #2	3A139017.D	10	02/17/15	ZH	n/a	n/a	V3A6015

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

## Purgeable Aromatics, MTBE, TBA, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.21	ug/l	
108-88-3	Toluene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.40	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	2650 <sup>a</sup>	100	47	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.20	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.27	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	101%	76-122%
17060-07-0	1,2-Dichloroethane-D4	99%	101%	71-124%
2037-26-5	Toluene-D8	99%	100%	78-121%
460-00-4	4-Bromofluorobenzene	98%	99%	77-120%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

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

3.1  
3

<b>Client Sample ID:</b> SYS-EFF-150211	<b>Date Sampled:</b> 02/11/15
<b>Lab Sample ID:</b> JB88160-1	<b>Date Received:</b> 02/12/15
<b>Matrix:</b> AQ - Effluent	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8015C	
<b>Project:</b> 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	UV21990.D	1	02/13/15	WO	n/a	n/a	GUV4844
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	90%		62-120%		

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ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

## Report of Analysis

3.1  
3

<b>Client Sample ID:</b> SYS-EFF-150211	<b>Date Sampled:</b> 02/11/15
<b>Lab Sample ID:</b> JB88160-1	<b>Date Received:</b> 02/12/15
<b>Matrix:</b> AQ - Effluent	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8015C SW846 3510C	
<b>Project:</b> 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	2Y68054.D	1	02/13/15	RK	02/13/15	OP81801	G2Y2607
Run #2							

Run #	Initial Volume	Final Volume
Run #1	300 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.083	0.080	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	75%		36-144%		
16416-32-3	Tetracosane-d50	73%		32-138%		
438-22-2	5a-Androstane	77%		31-136%		

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ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	SYS-INF-150211	Date Sampled:	02/11/15
Lab Sample ID:	JB88160-2	Date Received:	02/12/15
Matrix:	AQ - Influent	Percent Solids:	n/a
Method:	SW846 8260B	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	3A138983A.D	5	02/16/15	ZH	n/a	n/a	V3A6015
Run #2							

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

## Purgeable Aromatics, MTBE, TBA, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	149	2.5	1.0	ug/l	
108-88-3	Toluene	538	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	138	5.0	2.0	ug/l	
1330-20-7	Xylene (total)	1630	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	168	5.0	1.3	ug/l	
75-65-0	Tert Butyl Alcohol	1820	50	23	ug/l	
91-20-3	Naphthalene	81.3	25	1.7	ug/l	
108-20-3	Di-Isopropyl ether	6.7	10	1.0	ug/l	J
994-05-8	tert-Amyl Methyl Ether	13.2	10	1.3	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	10	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-122%
17060-07-0	1,2-Dichloroethane-D4	102%		71-124%
2037-26-5	Toluene-D8	100%		78-121%
460-00-4	4-Bromofluorobenzene	100%		77-120%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

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

32  
3

Client Sample ID:	SYS-INF-150211	Date Sampled:	02/11/15
Lab Sample ID:	JB88160-2	Date Received:	02/12/15
Matrix:	AQ - Influent	Percent Solids:	n/a
Method:	SW846 8015C	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	UV21991.D	1	02/13/15	WO	n/a	n/a	GUV4844
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.80	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	91%		62-120%		

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ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

32  
3

Client Sample ID:	SYS-INF-150211	
Lab Sample ID:	JB88160-2	Date Sampled: 02/11/15
Matrix:	AQ - Influent	Date Received: 02/12/15
Method:	SW846 8015C SW846 3510C	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	2Y68055.D	1	02/13/15	RK	02/13/15	OP81801	G2Y2607
Run #2							

Run #	Initial Volume	Final Volume
Run #1	300 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	4.90	0.083	0.080	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	93%		36-144%		
16416-32-3	Tetracosane-d50	91%		32-138%		
438-22-2	5a-Androstane	94%		31-136%		

---

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Misc. Forms

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### Custody Documents and Other Forms

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**Includes the following where applicable:**

- Chain of Custody

6W

# CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810  
TEL: 732-329-0200 FAX: 732-329-3499/3480  
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # <b>JB88160</b>

Client / Reporting Information		Project Information		Requested Analysis ( see TEST CODE sheet)										Matrix Codes		
Company Name <b>Drake Petroleum Company, Inc. Attn: Eric Harvey</b>		Project Name <b>Bel Air Xtra Fuels PC#007805</b>												DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipes FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank		
Street Address <b>P.O. Box 866 221 Quinebaug Road</b>		Street <b>2476 Churchville Rd.</b>														
City State Zip <b>North Grosvenordale CT 6255</b>		City State <b>Bel Air MD</b>														
Project Contact <b>Jen Jugler</b>		Project # <b>146282.003, 003</b>														
Billing Information ( if different from Report to)		Company Name														
Phone # <b>856-330-9410</b>		Client Purchase Order # <b>#007805</b>														
Sampler(s) Name(s)		Project Manager <b>Jen Jugler</b>														
Field ID / Point of Collection		MECH/DI Vial #		Collection		Number of preserved Bottles										LAB USE ONLY
1 <i>Sgs-Eff-150211</i>				Date Time		Matrix # of bottles										E39
2 <i>Sgs-Inf-150211</i>				2/11/15 0910		BG 6W 7 7										US

4.1  
4

Turnaround Time ( Business days)		Approved By (Accutest PM) / Date:		Data Deliverable Information										Comments / Special Instructions
<input type="checkbox"/> Std. 15 Business Days <input checked="" type="checkbox"/> Std. 10 Business Days ( by Contract only) <input type="checkbox"/> 10 Day RUSH <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY Emergency & Rush T/A data available VIA Lablink		7 day by WEI contract		<input type="checkbox"/> Commercial "A" ( Level 1) <input type="checkbox"/> Commercial "B" ( Level 2) <input type="checkbox"/> FULLT1 ( Level 3+4) <input type="checkbox"/> NJ Reduced <input type="checkbox"/> Commercial "C" <input type="checkbox"/> NYASP Category A <input type="checkbox"/> NYASP Category B <input type="checkbox"/> State Forms <input type="checkbox"/> EDD Format <input type="checkbox"/> Other										
Relinquished by Sampler:		Date Time:		Relinquished By:										Date Time:
1 <i>Bark-Ar</i>		2-12-15		2 <i>Kuler</i>										2-12-15
Relinquished by Sampler:		Date Time:		Relinquished By:										Date Time:
3				4										
Relinquished by Sampler:		Date Time:		Relinquished By:										Date Time:
5				5										
Custody #		On Ice		Preserved where applicable										Cooler Temp.
694		[ ]		[ ]										11

**JB88160: Chain of Custody**

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