

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

T: 856.382.7170  
F: 201.236.1607

**Sent via Email and FedEx**



October 30, 2014

Mr. Thomas Yoo  
Permit & Support Division  
Oil Control Program  
Maryland Department of the Environment  
1800 Washington Boulevard, Suite 620  
Baltimore, Maryland 21230

146282.002.001

Subject: Discharge Monitoring Report (July – September 2014)  
General Discharge Permit No. 2012-OGR-8082 (MDG918082)  
Xtra Fuels Station, 2476 Churchville Road, Bel Air, Maryland  
MDE Case No. 2011-0112-HA

Dear Mr. Yoo:

Brown and Caldwell (BC), on behalf of Drake Petroleum Company Inc. (Drake) is submitting the attached Discharge Monitoring Report (report) for the period of July 1, 2014 through September 30, 2014 for the above-referenced site. Please note that the vacuum enhanced groundwater extraction remediation system had periodic system shutdowns due to system maintenance issues during this reporting period.

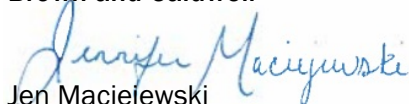
The laboratory analytical data reports are also attached for the sample dates of July 8, 2014, July 23, 2014, August 15, 2014, September 2, 2014, and September 23, 2014. Due to scheduling conflicts, only one (1) grab sample was collected during the month of August. The September 2, 2014 sample was intentionally collected earlier in the month to make up for this gap in monitoring data. No exceedances of the General Discharge Permit were detected during the July 1, 2014 to September 30, 2014 reporting period.

The granular activated carbon (GAC) used to remove volatile constituents prior to discharge was changed-out with virgin GAC after collecting the September 23, 2014 effluent sample.

If you have any questions regarding the enclosed test results feel free to call me at 856-330-9410.

Very truly yours,

**Brown and Caldwell**

  
Jen Maciejewski  
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 FedEx*)  
Peter Smith, Hartford County Health Department (*via email and FedEx*)

Attachments (2)

# Appendix 1: Discharge Monitoring Report

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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
 NAME Drake Petroleum Company, Inc.

ADDRESS 221 Quinebaug Road  
 North Grosvenordale, CT 06255

Xtra Fuels Station  
 FACILITY LOCATION 2476 Churchville Road  
 Bel Air, MD 21015

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 (2-16) (17-19)

MGD918082  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

Form Approved.  
 OMB No. 2040-0004  
 Approval expires 05-31-98

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
2014	07	01	2014	09	30
(20-21)		(22-23)		(24-25)	
				(26-27)	
				(28-29)	
				(30-31)	

Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING (3 Card Only (46-53) (54-61))			QUALITY OR CONCENTRATION (4 Card Only (38-45) (46-53) (54-61))			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow	SAMPLE MEASUREMENT	4,635	7,111	GPD	--	--	--	0	2/30	Estimate
	PERMIT REQUIREMENT	Report Quarterly Average	Report Daily Average		--	--	--			
Total BTEX	SAMPLE MEASUREMENT	--	--	--	ND	0.31	1.54	0	2/30	Grab
	PERMIT REQUIREMENT	--	--		--	Report Quarterly Average	100			
Benzene	SAMPLE MEASUREMENT	--	--	--	ND	0.04	0.21	0	2/30	Grab
	PERMIT REQUIREMENT	--	--		--	Report Quarterly Average	5			
Toluene	SAMPLE MEASUREMENT	--	--	--	ND	0.05	0.23	0	2/30	Grab
	PERMIT REQUIREMENT	--	--		--	Report Quarterly Average	Report Daily Average			
Ethylbenzene	SAMPLE MEASUREMENT	--	--	--	ND	ND	ND	0	2/30	Grab
	PERMIT REQUIREMENT	--	--		--	Report Quarterly Average	Report Daily Average			
Xylene	SAMPLE MEASUREMENT	--	--	--	ND	0.22	1.1	0	2/30	Grab
	PERMIT REQUIREMENT	--	--		--	Report Quarterly Average	Report Daily Average			
Naphthalene	SAMPLE MEASUREMENT	--	--	--	ND	ND	ND	0	2/30	Grab
	PERMIT REQUIREMENT	--	--		--	Report Quarterly Average	Report Daily Average			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.				TELEPHONE			DATE		
TYPED OR PRINTED					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			AREA CODE	NUMBER	YEAR

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
 NAME Drake Petroleum Company, Inc.

ADDRESS 221 Quinebaug Road  
 North Grosvenordale, CT 06255  
 Xtra Fuels Station  
 FACILITY LOCATION 2476 Churchville Road  
 Bel Air, MD 21015

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

MGD918082 PERMIT NUMBER  
 001 DISCHARGE NUMBER

Form Approved.  
 OMB No. 2040-0004  
 Approval expires 05-31-98

MONITORING PERIOD

FROM 2014 07 01 TO 2014 09 30  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
MTBE	SAMPLE MEASUREMENT	--	--	--	ND	36.1	89.4	ppb	0	2/30	Grab	
	PERMIT REQUIREMENT	--	--	--	--	Report Quarterly Average	Report Daily Average			2/30	Grab	
TPH	SAMPLE MEASUREMENT	--	--	--	ND	0.13	0.37	ppm	0	2/30	Grab	
	PERMIT REQUIREMENT	--	--	--	--	Report Quarterly Average	15			2/30	Grab	
TBA	SAMPLE MEASUREMENT	--	--	--	439	2682	3590	ppb	0	2/30	Grab	
	PERMIT REQUIREMENT				--	Report Quarterly Average	Report Daily Average			2/30	Grab	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.							TELEPHONE		DATE		
Eric Harvey Mid-Atlantic Environmental Compliance & Remediation Manager								AREA CODE	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							860	935-5200	14	10	15

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

## Appendix 2: Laboratory Data Reports

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**Technical Report for**

**Drake Petroleum Company, Inc.**

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

**146282.003 PC#007805**

**Accutest Job Number: JB71229**

**Sampling Date: 07/08/14**

**Report to:**

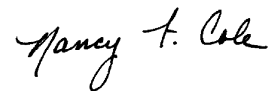
**Puritan Oil Company, Inc.**  
**221 Quinebaug Rd P.O. Box 866**  
**North Grosvenordale, CT 06255**

**ATTN: Eric Harvey**

**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 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), PA, RI, SC, TN, VA, WV, DoD ELAP (L-A-B L2248)

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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## Sample Summary

Drake Petroleum Company, Inc.

**Job No:** JB71229

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

Project No: 146282.003 PC#007805

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
JB71229-1	07/08/14	09:00 BQ	07/09/14	AQ	Influent	INFLUENT
JB71229-2	07/08/14	09:00 BQ	07/09/14	AQ	Effluent	EFFLUENT



## Summary of Hits

**Job Number:** JB71229

**Account:** Drake Petroleum Company, Inc.

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

**Collected:** 07/08/14

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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### JB71229-1 INFLUENT

Benzene	43.1	0.50	0.21	ug/l	SW846 8260B
Toluene	44.7	1.0	0.22	ug/l	SW846 8260B
Ethylbenzene	27.3	1.0	0.40	ug/l	SW846 8260B
Xylene (total)	205	1.0	0.20	ug/l	SW846 8260B
Methyl Tert Butyl Ether	534	10	2.6	ug/l	SW846 8260B
Tert Butyl Alcohol	3520	250	47	ug/l	SW846 8260B
Naphthalene	13.1	5.0	0.34	ug/l	SW846 8260B
TPH-GRO (C6-C10)	2.33	0.20	0.038	mg/l	SW846 8015C
TPH-DRO (C10-C28)	0.837	0.083	0.080	mg/l	SW846 8015C

### JB71229-2 EFFLUENT

Tert Butyl Alcohol	2940	250	47	ug/l	SW846 8260B
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Sample Results

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Report of Analysis

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## Report of Analysis

<b>Client Sample ID:</b>	INFLUENT	<b>Date Sampled:</b>	07/08/14
<b>Lab Sample ID:</b>	JB71229-1	<b>Date Received:</b>	07/09/14
<b>Matrix:</b>	AQ - Influent	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	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	2B121050.D	1	07/10/14	PR	n/a	n/a	V2B5492
Run #2	2B121051.D	10	07/10/14	PR	n/a	n/a	V2B5492

	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	43.1	0.50	0.21	ug/l	
108-88-3	Toluene	44.7	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	27.3	1.0	0.40	ug/l	
1330-20-7	Xylene (total)	205	1.0	0.20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	534 <sup>a</sup>	10	2.6	ug/l	
75-65-0	Tert Butyl Alcohol	3520 <sup>a</sup>	250	47	ug/l	
91-20-3	Naphthalene	13.1	5.0	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	95%	79-120%
17060-07-0	1,2-Dichloroethane-D4	98%	100%	72-123%
2037-26-5	Toluene-D8	104%	102%	78-119%
460-00-4	4-Bromofluorobenzene	100%	97%	74-119%

(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> INFLUENT		<b>Date Sampled:</b> 07/08/14
<b>Lab Sample ID:</b> JB71229-1		<b>Date Received:</b> 07/09/14
<b>Matrix:</b> AQ - Influent		<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	UV17225.D	1	07/10/14	XPL	n/a	n/a	GUV4636
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2.33	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	78%		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> INFLUENT	<b>Date Sampled:</b> 07/08/14
<b>Lab Sample ID:</b> JB71229-1	<b>Date Received:</b> 07/09/14
<b>Matrix:</b> AQ - Influent	<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	2Y62806.D	1	07/12/14	KD	07/10/14	OP76335	G2Y2426
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)	0.837	0.083	0.080	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	102%		36-144%		
16416-32-3	Tetracosane-d50	87%		32-138%		
438-22-2	5a-Androstane	88%		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

<b>Client Sample ID:</b> EFFLUENT		<b>Date Sampled:</b> 07/08/14
<b>Lab Sample ID:</b> JB71229-2		<b>Date Received:</b> 07/09/14
<b>Matrix:</b> AQ - Effluent		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B		
<b>Project:</b> 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	2B121049.D	1	07/10/14	PR	n/a	n/a	V2B5492
Run #2	4D50171.D	10	07/11/14	PR	n/a	n/a	V4D2236

	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	2940 <sup>a</sup>	250	47	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	92%	79-120%
17060-07-0	1,2-Dichloroethane-D4	101%	94%	72-123%
2037-26-5	Toluene-D8	101%	96%	78-119%
460-00-4	4-Bromofluorobenzene	97%	80%	74-119%

(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

32  
3

<b>Client Sample ID:</b> EFFLUENT		<b>Date Sampled:</b> 07/08/14
<b>Lab Sample ID:</b> JB71229-2		<b>Date Received:</b> 07/09/14
<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		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y62807.D	1	07/12/14	KD	07/10/14	OP76335	G2Y2426
Run #2							

	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	76%		36-144%		
16416-32-3	Tetracosane-d50	70%		32-138%		
438-22-2	5a-Androstane	75%		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



## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody

GW

**CHAIN OF CUSTODY**

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

FED-EX Tracking # \_\_\_\_\_  
Accutest Quote # \_\_\_\_\_  
Bottle Order Control # JB71229  
Accutest Job # \_\_\_\_\_

Client / Reporting Information		Project Information										Requested Analysis (see TEST CODE sheet)			Matrix Codes			
Company Name <u>Drake Petroleum Co, Inc.</u> ATTN: <u>Eric Harvey</u>		Project Name: <u>Bel Air Xtra Fuels PC# 007805</u>										<u>BTEX, MIBE, Naphthalene, PAH (8 PCBs), TPH-6RO (8015B), TPH-DR0 (8015B)</u>			DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank			
Street Address <u>PO Box 866 241 Quinebaug Rd</u>		Street <u>2476 Churchville Rd</u>																
City State Zip <u>North Grosvenordale CT 06255</u>		City State Zip <u>Bel Air MO</u>																
Project Contact <u>Carolyn Retz</u> Email: <u>CROTHER@brunaid.com</u>		Project # <u>146282, 003</u>																
Phone # <u>302-545-4902</u>		Client Purchase Order # <u># 007805</u>																
Sampler(s) Name(s) <u>Brendan Quinn</u> Phone # <u>215-939-1718</u>		Project Manager <u>Carolyn Retz</u>										LAB USE ONLY						
Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vol #	Date	Time	Sampled by	Matrix	# of bottles	Number of preserved bottles										LAB USE ONLY
								HCl	NADH	HN03	PH304	NONE	DI Water	MEOH	BNCPDIE			
<u>1</u>	<u>Influent</u>		<u>7/8/14</u>	<u>0900</u>	<u>BR</u>	<u>6W</u>	<u>7</u>	<u>7</u>										<u>E43</u>
<u>2</u>	<u>Effluent</u>		<u>7/8/14</u>	<u>0900</u>	<u>BR</u>	<u>6W</u>	<u>7</u>	<u>7</u>										<u>V1067</u>

Turnaround Time (Business days)	Approved By (Accutest PM): / Date:	Data Deliverable Information	Comments / Special Instructions
<input type="checkbox"/> Std. 10 Business Days <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input checked="" type="checkbox"/> other <u>870 day Standard</u> <small>Emergency &amp; Rush T/A data available VIA Lablink</small>	<u>1545</u> <u>7-9-14</u>	<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 _____ <small>Commercial "A" = Results Only            Commercial "B" = Results + QC Summary            NJ Reduced = Results + QC Summary + Partial Raw data</small>	<u>DRO = 2x 300 ML</u>

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

Relinquished by: <u>Brunaid</u>	Date Time: <u>7-9-14</u>	Received By: <u>[Signature]</u>	Date Time: <u>7-9-14</u>	Relinquished By: <u>[Signature]</u>	Date Time: <u>7-9-14</u>	Received By: <u>[Signature]</u>		
Relinquished by:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:		
Relinquished by:	Date Time:	Received By:	Date Time:	Custody Seal #	<input type="checkbox"/> Intact <input type="checkbox"/> Not intact	Preserved where applicable	On Ice <input type="checkbox"/>	Cooler Temp. <u>3.6°C</u>

1A

4.1  
4



# Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB71229 Client: \_\_\_\_\_ Project: \_\_\_\_\_  
 Date / Time Received: 7/9/2014 Delivery Method: \_\_\_\_\_ Airbill #'s: \_\_\_\_\_

Cooler Temps (Initial/Adjusted): #1: (3.6/3.3); 0

<u>Cooler Security</u>	<u>Y</u>	<u>or</u>	<u>N</u>		<u>Y</u>	<u>or</u>	<u>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. Smpl Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

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

<u>Quality Control Preservatio</u>	<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"/>

<u>Sample Integrity - Documentation</u>	<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"/>

<u>Sample Integrity - Condition</u>	<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		

<u>Sample Integrity - Instructions</u>	<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

Accutest Laboratories  
V: 732.329.0200

2235 US Highway 130  
F: 732.329.3499

Dayton, New Jersey  
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**JB71229: Chain of Custody**

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Technical Report for

Drake Petroleum Company, Inc.

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

146282.003.001

Accutest Job Number: JB72463

Sampling Date: 07/23/14

Report to:

Puritan Oil Company, Inc.  
221 Quinebaug Rd P.O. Box 866  
North Grosvenordale, CT 06255

ATTN: Eric Harvey

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 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), 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:** JB72463

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

Project No: 146282.003.001

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
JB72463-1	07/23/14	13:00 BQ	07/24/14	AQ	Influent	INFLUENT
JB72463-2	07/23/14	13:15 BQ	07/24/14	AQ	Effluent	EFFLUENT

## Summary of Hits

**Job Number:** JB72463

**Account:** Drake Petroleum Company, Inc.

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

**Collected:** 07/23/14

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

### JB72463-1 INFLUENT

Benzene	22.2	0.50	0.21	ug/l	SW846 8260B
Toluene	9.6	1.0	0.22	ug/l	SW846 8260B
Ethylbenzene	35.4	1.0	0.40	ug/l	SW846 8260B
Xylene (total)	123	1.0	0.20	ug/l	SW846 8260B
Methyl Tert Butyl Ether	341	10	2.6	ug/l	SW846 8260B
Tert Butyl Alcohol	4230	250	47	ug/l	SW846 8260B
Naphthalene	12.7	5.0	0.34	ug/l	SW846 8260B
TPH-GRO (C6-C10)	1.64	0.20	0.038	mg/l	SW846 8015C
TPH-DRO (C10-C28)	0.493	0.083	0.080	mg/l	SW846 8015C

### JB72463-2 EFFLUENT

Tert Butyl Alcohol	439	25	4.7	ug/l	SW846 8260B
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Sample Results

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Report of Analysis

---



# Report of Analysis

<b>Client Sample ID:</b> INFLUENT		
<b>Lab Sample ID:</b> JB72463-1		<b>Date Sampled:</b> 07/23/14
<b>Matrix:</b> AQ - Influent		<b>Date Received:</b> 07/24/14
<b>Method:</b> SW846 8260B		<b>Percent Solids:</b> n/a
<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	L263713.D	1	07/26/14	VC	n/a	n/a	VL7065
Run #2	L263714.D	10	07/26/14	VC	n/a	n/a	VL7065

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	22.2	0.50	0.21	ug/l	
108-88-3	Toluene	9.6	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	35.4	1.0	0.40	ug/l	
1330-20-7	Xylene (total)	123	1.0	0.20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	341 <sup>a</sup>	10	2.6	ug/l	
75-65-0	Tert Butyl Alcohol	4230 <sup>a</sup>	250	47	ug/l	
91-20-3	Naphthalene	12.7	5.0	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	96%	79-120%
17060-07-0	1,2-Dichloroethane-D4	102%	101%	72-123%
2037-26-5	Toluene-D8	101%	105%	78-119%
460-00-4	4-Bromofluorobenzene	103%	105%	74-119%

(a) Result is from Run# 2

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

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<b>Client Sample ID:</b> INFLUENT		<b>Date Sampled:</b> 07/23/14
<b>Lab Sample ID:</b> JB72463-1		<b>Date Received:</b> 07/24/14
<b>Matrix:</b> AQ - Influent		<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	UV17568.D	1	07/25/14	WO	n/a	n/a	GUV4654
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.64	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	88%		62-120%		

---

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> INFLUENT	<b>Date Sampled:</b> 07/23/14
<b>Lab Sample ID:</b> JB72463-1	<b>Date Received:</b> 07/24/14
<b>Matrix:</b> AQ - Influent	<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	7Z5309.D	1	07/28/14	RK	07/26/14	OP76739	G7Z211
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)	0.493	0.083	0.080	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	61%		36-144%		
16416-32-3	Tetracosane-d50	71%		32-138%		
438-22-2	5a-Androstane	67%		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

# Report of Analysis

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3

<b>Client Sample ID:</b> EFFLUENT		
<b>Lab Sample ID:</b> JB72463-2		<b>Date Sampled:</b> 07/23/14
<b>Matrix:</b> AQ - Effluent		<b>Date Received:</b> 07/24/14
<b>Method:</b> SW846 8260B		<b>Percent Solids:</b> n/a
<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	L263711.D	1	07/25/14	VC	n/a	n/a	VL7065
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	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	439	25	4.7	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		79-120%
17060-07-0	1,2-Dichloroethane-D4	101%		72-123%
2037-26-5	Toluene-D8	104%		78-119%
460-00-4	4-Bromofluorobenzene	103%		74-119%

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

<b>Client Sample ID:</b> EFFLUENT		<b>Date Sampled:</b> 07/23/14
<b>Lab Sample ID:</b> JB72463-2		<b>Date Received:</b> 07/24/14
<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	UV17567.D	1	07/25/14	WO	n/a	n/a	GUV4654
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	91%		62-120%		

---

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

<b>Client Sample ID:</b> EFFLUENT		<b>Date Sampled:</b> 07/23/14
<b>Lab Sample ID:</b> JB72463-2		<b>Date Received:</b> 07/24/14
<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		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7Z5310.D	1	07/28/14	RK	07/26/14	OP76739	G7Z211
Run #2							

	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	63%		36-144%		
16416-32-3	Tetracosane-d50	76%		32-138%		
438-22-2	5a-Androstane	73%		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

---

### Custody Documents and Other Forms

---

Includes the following where applicable:

- Chain of Custody

GW

**CHAIN OF CUSTODY**

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

FED-Ex Tracking #  
Accutest Quote #  
Bottle Order Control #  
Accutest Job # **JB72463**

Client / Reporting Information		Project Information		Requested Analysis ( see TEST CODE sheet)										Matrix Codes					
Company Name <b>Brown and Caldwell</b>		Project Name <b>Drake - Bel Air</b>		<p style="writing-mode: vertical-rl; transform: rotate(180deg);">                     BTEX, MTBE, No phth &amp; leu                      TBA (E120B)                      TPH - GRO (8015B)                      TPH - DRO (8015B)                 </p>										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 - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank					
Street Address <b>535 RT 38 E Suite 355</b>		Street <b>2476 Churchville Rd</b>																	
City State Zip <b>Cherry Hill, NJ 08003</b>		City State <b>Bel Air MD</b>																	
Project Contact <b>Carolyn Roth CROTH@bruncald.com</b>		Project # <b>146282.003.001</b>																	
Phone # <b>856-330-4902</b>		Client Purchase Order #																	
Sampler(s) Name(s) <b>Brenda Quam 215-939-1718</b>		Project Manager <b>C. Roth</b>																	
Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HN03	H2SO4	HCN02	HCN03	HCN04	DI Water	MEDH	ENCORE	LAB USE ONLY	
1	Influent		7/23/14	1300	BA	GW	7												E51
2	Effluent		7/23/14	1315	BA	GW	7												V34

Turnaround Time ( Business days)		Data Deliverable Information										Comments / Special Instructions			
<input type="checkbox"/> Std. 10 Business Days <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input checked="" type="checkbox"/> other <b>5 Day Standard TAT</b> <small>Emergency &amp; Rush T/A data available VIA Lablink</small>		Approved By (Accutest PM) / Date:		<input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> NYASP Category A <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> NYASP Category B <input type="checkbox"/> FULLT1 (Level 3+4) <input type="checkbox"/> State Forms <input type="checkbox"/> NJ Reduced <input type="checkbox"/> EDD Format <input type="checkbox"/> Commercial "C" <input type="checkbox"/> Other <small>Commercial "A" = Results Only                  Commercial "B" = Results + QC Summary                  NJ Reduced = Results + QC Summary + Partial Raw data</small>										* 2 x 300 ML FOR DRO @ 7/24/14	

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

Relinquished by Sampler: <b>1</b> <i>B. Quam</i>	Date Time: <b>7-24-14</b>	Received By: <i>[Signature]</i>	Relinquished By: <b>2</b> <i>[Signature]</i>	Date Time: <b>7-24-14</b>	Received By: <i>[Signature]</i>
Relinquished by Sampler: <b>3</b>	Date Time:	Received By: <b>3</b>	Relinquished By: <b>4</b>	Date Time:	Received By: <b>4</b>
Relinquished by: <b>5</b>	Date Time:	Received By: <b>5</b>	Custody Seal #	<input type="checkbox"/> Intact <input type="checkbox"/> Not intact	Preserved where applicable <input checked="" type="checkbox"/> <b>BS</b>
			On Ice <input checked="" type="checkbox"/>		Cooler Temp <b>3.04</b> <i>BS</i>





# Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB72463      Client: \_\_\_\_\_      Project: \_\_\_\_\_  
 Date / Time Received: 7/24/2014      Delivery Method: \_\_\_\_\_      Airbill #'s: \_\_\_\_\_

Cooler Temps (Initial/Adjusted): #1: (3/3); 0

<u>Cooler Security</u>	<u>Y</u>	<u>or</u>	<u>N</u>		<u>Y</u>	<u>or</u>	<u>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. Smpl Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

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

<u>Quality Control Preservation</u>	<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"/>

<u>Sample Integrity - Documentation</u>	<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"/>

<u>Sample Integrity - Condition</u>	<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		

<u>Sample Integrity - Instructions</u>	<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

Accutest Laboratories  
V: 732.329.0200

2235 US Highway 130  
F: 732.329.3499

Dayton, New Jersey  
www.accutest.com

**JB72463: Chain of Custody**

**Page 2 of 2**

4.1  
4

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: JB74297

Sampling Date: 08/15/14

Report to:

Puritan Oil Company, Inc.  
221 Quinebaug Rd P.O. Box 866  
North Grosvenordale, CT 06255

ATTN: Eric Harvey

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), PA, RI, SC, TN, VA, WV, DoD ELAP (L-A-B L2248)

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## Sample Summary

Drake Petroleum Company, Inc.

**Job No:** JB74297

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	
JB74297-1	08/15/14	15:10 BG	08/18/14	AQ	Effluent	EFFLUENT
JB74297-2	08/15/14	15:15 BG	08/18/14	AQ	Influent	INFLUENT

## Summary of Hits

**Job Number:** JB74297

**Account:** Drake Petroleum Company, Inc.

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

**Collected:** 08/15/14

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

### JB74297-1 EFFLUENT

Methyl Tert Butyl Ether	3.4	1.0	0.26	ug/l	SW846 8260B
Tert Butyl Alcohol	3570	250	47	ug/l	SW846 8260B
TPH-GRO (C6-C10)	0.282	0.20	0.038	mg/l	SW846 8015C

### JB74297-2 INFLUENT

Benzene	7.3	0.50	0.21	ug/l	SW846 8260B
Toluene	1.4	1.0	0.22	ug/l	SW846 8260B
Ethylbenzene	31.4	1.0	0.40	ug/l	SW846 8260B
Xylene (total)	35.2	1.0	0.20	ug/l	SW846 8260B
Methyl Tert Butyl Ether	110	1.0	0.26	ug/l	SW846 8260B
Tert Butyl Alcohol	2470	250	47	ug/l	SW846 8260B
Naphthalene	10.1	5.0	0.34	ug/l	SW846 8260B
TPH-GRO (C6-C10)	0.825	0.20	0.038	mg/l	SW846 8015C
TPH-DRO (C10-C28)	0.296	0.083	0.080	mg/l	SW846 8015C

Sample Results

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Report of Analysis

---

# Report of Analysis

<b>Client Sample ID:</b> EFFLUENT		
<b>Lab Sample ID:</b> JB74297-1		<b>Date Sampled:</b> 08/15/14
<b>Matrix:</b> AQ - Effluent		<b>Date Received:</b> 08/18/14
<b>Method:</b> SW846 8260B		<b>Percent Solids:</b> n/a
<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	U186753.D	1	08/19/14	GP	n/a	n/a	VU8613
Run #2	2D136196.D	10	08/20/14	BK	n/a	n/a	V2D5707

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	3.4	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	3570 <sup>a</sup>	250	47	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%	87%	79-120%
17060-07-0	1,2-Dichloroethane-D4	92%	91%	72-123%
2037-26-5	Toluene-D8	101%	96%	78-119%
460-00-4	4-Bromofluorobenzene	103%	93%	74-119%

(a) Result is from Run# 2

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

<b>Client Sample ID:</b> EFFLUENT		
<b>Lab Sample ID:</b> JB74297-1		<b>Date Sampled:</b> 08/15/14
<b>Matrix:</b> AQ - Effluent		<b>Date Received:</b> 08/18/14
<b>Method:</b> SW846 8015C		<b>Percent Solids:</b> n/a
<b>Project:</b> 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	UV18073.D	1	08/19/14	WO	n/a	n/a	GUV4677
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.282	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	77%		62-120%		

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

3.1  
3

<b>Client Sample ID:</b> EFFLUENT		
<b>Lab Sample ID:</b> JB74297-1		<b>Date Sampled:</b> 08/15/14
<b>Matrix:</b> AQ - Effluent		<b>Date Received:</b> 08/18/14
<b>Method:</b> SW846 8015C SW846 3510C		<b>Percent Solids:</b> n/a
<b>Project:</b> 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	2Y63769.D	1	08/22/14	JM	08/20/14	OP77440	G2Y2459
Run #2							

	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	91%		36-144%		
16416-32-3	Tetracosane-d50	109%		32-138%		
438-22-2	5a-Androstane	96%		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

# Report of Analysis

32  
3

<b>Client Sample ID:</b> INFLUENT		<b>Date Sampled:</b> 08/15/14
<b>Lab Sample ID:</b> JB74297-2		<b>Date Received:</b> 08/18/14
<b>Matrix:</b> AQ - Influent		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B		
<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	U186754.D	1	08/19/14	GP	n/a	n/a	VU8613
Run #2	2D136190.D	10	08/20/14	BK	n/a	n/a	V2D5707

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	7.3	0.50	0.21	ug/l	
108-88-3	Toluene	1.4	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	31.4	1.0	0.40	ug/l	
1330-20-7	Xylene (total)	35.2	1.0	0.20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	110	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	2470 <sup>a</sup>	250	47	ug/l	
91-20-3	Naphthalene	10.1	5.0	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	88%	79-120%
17060-07-0	1,2-Dichloroethane-D4	93%	93%	72-123%
2037-26-5	Toluene-D8	103%	98%	78-119%
460-00-4	4-Bromofluorobenzene	101%	93%	74-119%

(a) Result is from Run# 2

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

<b>Client Sample ID:</b> INFLUENT		<b>Date Sampled:</b> 08/15/14
<b>Lab Sample ID:</b> JB74297-2		<b>Date Received:</b> 08/18/14
<b>Matrix:</b> AQ - Influent		<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	UV18074.D	1	08/19/14	WO	n/a	n/a	GUV4677
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.825	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	77%		62-120%		

---

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

<b>Client Sample ID:</b> INFLUENT		<b>Date Sampled:</b> 08/15/14
<b>Lab Sample ID:</b> JB74297-2		<b>Date Received:</b> 08/18/14
<b>Matrix:</b> AQ - Influent		<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		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y63770.D	1	08/22/14	JM	08/20/14	OP77440	G2Y2459
Run #2							

	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)	0.296	0.083	0.080	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	82%		36-144%		
16416-32-3	Tetracosane-d50	92%		32-138%		
438-22-2	5a-Androstane	80%		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





# Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB74297      Client: \_\_\_\_\_      Project: \_\_\_\_\_  
 Date / Time Received: 8/18/2014      Delivery Method: \_\_\_\_\_      Airbill #'s: \_\_\_\_\_

Cooler Temps (Initial/Adjusted): #1: (2.1/2.1); 0

<u>Cooler Security</u>	<u>Y</u>	<u>or</u>	<u>N</u>		<u>Y</u>	<u>or</u>	<u>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. Smpl Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

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

<u>Quality Control Preservation</u>	<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"/>

<u>Sample Integrity - Documentation</u>	<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"/>

<u>Sample Integrity - Condition</u>	<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		

<u>Sample Integrity - Instructions</u>	<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

Accutest Laboratories  
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Dayton, New Jersey  
www.accutest.com

**JB74297: Chain of Custody**

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4.1  
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Technical Report for

Drake Petroleum Company, Inc.

BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD  
146282

Accutest Job Number: JB75754

Sampling Date: 09/02/14

Report to:

Puritan Oil Company, Inc.  
221 Quinebaug Rd P.O. Box 866  
North Grosvenordale, CT 06255

ATTN: Eric Harvey

Total number of pages in report: **18**



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), PA, RI, SC, TN, VA, WV, DoD ELAP (L-A-B L2248)

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## Sample Summary

Drake Petroleum Company, Inc.

**Job No:** JB75754

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

Project No: 146282

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
JB75754-1	09/02/14	09:00 BQ	09/05/14	AQ	Influent	INFLUENT-090214
JB75754-2	09/02/14	09:10 BQ	09/05/14	AQ	Effluent	EFFLUENT-090214

## Summary of Hits

**Job Number:** JB75754  
**Account:** Drake Petroleum Company, Inc.  
**Project:** BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD  
**Collected:** 09/02/14

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

### JB75754-1 INFLUENT-090214

Benzene	11.8	0.50	0.21	ug/l	SW846 8260B
n-Butylbenzene	1.3 J	2.0	0.18	ug/l	SW846 8260B
sec-Butylbenzene	1.1 J	2.0	0.47	ug/l	SW846 8260B
Di-Isopropyl ether	8.8	2.0	0.20	ug/l	SW846 8260B
Ethylbenzene	34.0	1.0	0.40	ug/l	SW846 8260B
Isopropylbenzene	4.6	1.0	0.26	ug/l	SW846 8260B
Methyl Tert Butyl Ether	200	1.0	0.26	ug/l	SW846 8260B
Naphthalene	9.4	5.0	0.34	ug/l	SW846 8260B
n-Propylbenzene	9.8	2.0	0.31	ug/l	SW846 8260B
Tert Butyl Alcohol	3600	100	47	ug/l	SW846 8260B
tert-Amyl Methyl Ether	11.1	2.0	0.27	ug/l	SW846 8260B
Toluene	3.4	1.0	0.22	ug/l	SW846 8260B
1,2,4-Trimethylbenzene	43.6	2.0	0.19	ug/l	SW846 8260B
1,3,5-Trimethylbenzene	7.4	2.0	0.17	ug/l	SW846 8260B
m,p-Xylene	32.4	1.0	0.45	ug/l	SW846 8260B
o-Xylene	17.0	1.0	0.20	ug/l	SW846 8260B
Xylene (total)	49.4	1.0	0.20	ug/l	SW846 8260B
TPH-GRO (C6-C10)	1.10	0.20	0.038	mg/l	SW846 8015C
TPH-DRO (C10-C28) <sup>a</sup>	0.215	0.083	0.080	mg/l	SW846 8015C

### JB75754-2 EFFLUENT-090214

Benzene	0.21 J	0.50	0.21	ug/l	SW846 8260B
Di-Isopropyl ether	0.66 J	2.0	0.20	ug/l	SW846 8260B
Methyl Tert Butyl Ether	89.4	1.0	0.26	ug/l	SW846 8260B
Tert Butyl Alcohol	3590	100	47	ug/l	SW846 8260B
tert-Amyl Methyl Ether	2.1	2.0	0.27	ug/l	SW846 8260B
Toluene	0.23 J	1.0	0.22	ug/l	SW846 8260B
1,3,5-Trimethylbenzene	0.27 J	2.0	0.17	ug/l	SW846 8260B
o-Xylene	0.67 J	1.0	0.20	ug/l	SW846 8260B
Xylene (total)	1.1	1.0	0.20	ug/l	SW846 8260B
TPH-GRO (C6-C10)	0.380	0.20	0.038	mg/l	SW846 8015C

(a) There is no additional sample for re-extraction.

Sample Results

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Report of Analysis

---





## Report of Analysis

<b>Client Sample ID:</b> INFLUENT-090214	
<b>Lab Sample ID:</b> JB75754-1	<b>Date Sampled:</b> 09/02/14
<b>Matrix:</b> AQ - Influent	<b>Date Received:</b> 09/05/14
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

### VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%	110%	72-123%
2037-26-5	Toluene-D8	98%	96%	78-119%
460-00-4	4-Bromofluorobenzene	109%	107%	74-119%

(a) Result is from Run# 2

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit

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> INFLUENT-090214		<b>Date Sampled:</b> 09/02/14
<b>Lab Sample ID:</b> JB75754-1		<b>Date Received:</b> 09/05/14
<b>Matrix:</b> AQ - Influent		<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	UV18613.D	1	09/10/14	WO	n/a	n/a	GUV4701
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.10	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	78%		62-120%		

---

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> INFLUENT-090214		<b>Date Sampled:</b> 09/02/14
<b>Lab Sample ID:</b> JB75754-1		<b>Date Received:</b> 09/05/14
<b>Matrix:</b> AQ - Influent		<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 <sup>a</sup>	2Y64411.D	1	09/11/14	JM	09/10/14	OP77929	G2Y2478
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)	0.215	0.083	0.080	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	27% <sup>b</sup>		36-144%		
16416-32-3	Tetracosane-d50	31% <sup>b</sup>		32-138%		
438-22-2	5a-Androstane	30% <sup>b</sup>		31-136%		

- (a) There is no additional sample for re-extraction.  
 (b) Outside of in house control limits. There's no sample left to reextract.

---

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

<b>Client Sample ID:</b>	EFFLUENT-090214	<b>Date Sampled:</b>	09/02/14
<b>Lab Sample ID:</b>	JB75754-2	<b>Date Received:</b>	09/05/14
<b>Matrix:</b>	AQ - Effluent	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B		
<b>Project:</b>	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	L265095.D	1	09/09/14	VC	n/a	n/a	VL7121
Run #2	L265127.D	10	09/10/14	VC	n/a	n/a	VL7123

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

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.6	ug/l	
71-43-2	Benzene	0.21	0.50	0.21	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.28	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.49	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.28	ug/l	
75-25-2	Bromoform	ND	1.0	0.31	ug/l	
74-83-9	Bromomethane	ND	2.0	0.39	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.18	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.47	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.30	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.24	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.27	ug/l	
75-00-3	Chloroethane	ND	1.0	0.56	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.33	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.24	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.25	ug/l	
108-20-3	Di-Isopropyl ether	0.66	2.0	0.20	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.23	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.16	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.26	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.24	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.73	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.35	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.30	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.33	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.43	ug/l	

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

<b>Client Sample ID:</b> EFFLUENT-090214	
<b>Lab Sample ID:</b> JB75754-2	<b>Date Sampled:</b> 09/02/14
<b>Matrix:</b> AQ - Effluent	<b>Date Received:</b> 09/05/14
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

### VOA Full List + Oxygenates

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%	109%	72-123%
2037-26-5	Toluene-D8	98%	96%	78-119%
460-00-4	4-Bromofluorobenzene	108%	107%	74-119%

(a) Result is from Run# 2

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit

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

<b>Client Sample ID:</b> EFFLUENT-090214		<b>Date Sampled:</b> 09/02/14
<b>Lab Sample ID:</b> JB75754-2		<b>Date Received:</b> 09/05/14
<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	UV18622.D	1	09/10/14	WO	n/a	n/a	GUV4701
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.380	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	76%		62-120%		

---

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

<b>Client Sample ID:</b> EFFLUENT-090214		<b>Date Sampled:</b> 09/02/14
<b>Lab Sample ID:</b> JB75754-2		<b>Date Received:</b> 09/05/14
<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 <sup>a</sup>	2Y64412.D	1	09/11/14	JM	09/10/14	OP77929	G2Y2478
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	27% <sup>b</sup>		36-144%		
16416-32-3	Tetracosane-d50	30% <sup>b</sup>		32-138%		
438-22-2	5a-Androstane	28% <sup>b</sup>		31-136%		

- (a) There is no additional sample for re-extraction.  
 (b) Outside of in house control limits. There's no sample left to reextract.

---

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

gn

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 # **JB75754**

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>				VOCs with Fuel Oxygenates TPH - DRO and GRO • See 18 2x300 ml / 16L for DRO only												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 - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank
Street Address <b>2476 Churchville Rd.</b>		Billing Information (if different from Report to)		Company Name														
P.O. Box 866 221 Quinebaug Road City State Zip <b>North Grosvenordale CT 6255</b>		City State		Street Address														
Project Contact <b>Jen Maciejewski jmaciejewski@brwnccald.com</b>		Project # <b>146282</b>		Client Purchase Order #														
Phone # <b>856-330-9410</b>		Project Manager <b>Jen Maciejewski</b>		Attention:														
Sampler(s) Name(s) <b>B. Quann 215-939-1718</b>		Collection		Number of preserved Bottles												LAB USE ONLY		
Field ID / Point of Collection		MEOH/DI Vial #	Date	Time	Sampled by	Matrx	# of bottles	HCl	NaOH	HNO3	H2SO4	H2O2	NONE	DI Water	METH	ENCORE		
1 Influent-090214			9/2/14	0900	BQ	6w	7	7										E88
2 Effluent-090214			9/2/14	0910	BQ	6w	7	7										V535

Turnaround Time (Business days)		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		Approved By (Accutest PM): / Date: 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	
Emergency & Rush T/A data available VIA Lablink		Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data				* 2 x 300 ml FOR DRO @ 9/5/14	

Sample Custody must be documented below each time samples change possession, including courier delivery.							
Relinquished by Sampler: 1 [Signature]		Date Time: 9-5-14		Received By: 1 [Signature]		Date Time: 0900	
Relinquished by Sampler: 3		Date Time: 3		Received By: 3 [Signature]		Date Time: 1315	
Relinquished by Sampler: 5		Date Time: 5		Received By: 5 [Signature]		Date Time: 240-5-70	
Custody Seal #		Intact		Not Intact		Preserved where applicable	
On Ice		Cooler Temp.					

JB75754: Chain of Custody

Page 1 of 2



## Accutest Laboratories Sample Receipt Summary

**Accutest Job Number:** JB75754      **Client:** \_\_\_\_\_      **Project:** \_\_\_\_\_  
**Date / Time Received:** 9/5/2014      **Delivery Method:** \_\_\_\_\_      **Airbill #'s:** \_\_\_\_\_

**Cooler Temps (Initial/Adjusted):** #1: (4.8/4.8); #2: (5.7/5.7); #3: (6/6); #4: (4.7/4.7); 0

<b>Cooler Security</b>		<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. Smpl Dates/Time OK	<input checked="" type="checkbox"/> <input type="checkbox"/>

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

<b>Quality Control Preservation</b>	<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"/>		
4. VOCs headspace free:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

<b>Sample Integrity - Documentation</b>		<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"/>		

<b>Sample Integrity - Condition</b>		<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 _____			

<b>Sample Integrity - Instructions</b>		<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

Technical Report for

Drake Petroleum Company, Inc.

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

146282.003.002 PO#007805

Accutest Job Number: JB77497

Sampling Date: 09/23/14

Report to:

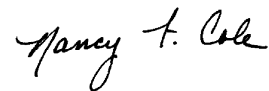
Puritan Oil Company, Inc.  
221 Quinebaug Rd P.O. Box 866  
North Grosvenordale, CT 06255

ATTN: Eric Harvey

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 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), 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:** JB77497

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

Project No: 146282.003.002 PO#007805

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
JB77497-1	09/23/14	07:40 BQ	09/24/14	AQ	Influent	SYS-INF-20140923
JB77497-2	09/23/14	07:45 BQ	09/24/14	AQ	Effluent	SYS-EFF-20140923

## Summary of Hits

**Job Number:** JB77497

**Account:** Drake Petroleum Company, Inc.

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

**Collected:** 09/23/14

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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### JB77497-1      SYS-INF-20140923

Benzene	6.7	0.50	0.21	ug/l	SW846 8260B
Toluene	2.5	1.0	0.22	ug/l	SW846 8260B
Ethylbenzene	44.9	1.0	0.40	ug/l	SW846 8260B
Xylene (total)	27.9	1.0	0.20	ug/l	SW846 8260B
Methyl Tert Butyl Ether	138	1.0	0.26	ug/l	SW846 8260B
Tert Butyl Alcohol	3020	50	23	ug/l	SW846 8260B
Naphthalene	11.3	5.0	0.34	ug/l	SW846 8260B
TPH-GRO (C6-C10)	1.06	0.20	0.038	mg/l	SW846 8015C
TPH-DRO (C10-C28)	0.476	0.083	0.080	mg/l	SW846 8015C

### JB77497-2      SYS-EFF-20140923

Methyl Tert Butyl Ether	87.7	1.0	0.26	ug/l	SW846 8260B
Tert Butyl Alcohol	2870	100	47	ug/l	SW846 8260B
TPH-GRO (C6-C10)	0.367	0.20	0.038	mg/l	SW846 8015C

Sample Results

---

Report of Analysis

---

# Report of Analysis

3.1  
3

<b>Client Sample ID:</b> SYS-INF-20140923	
<b>Lab Sample ID:</b> JB77497-1	<b>Date Sampled:</b> 09/23/14
<b>Matrix:</b> AQ - Influent	<b>Date Received:</b> 09/24/14
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<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	L265826.D	1	09/29/14	VC	n/a	n/a	VL7149
Run #2	S187405.D	5	09/27/14	VC	n/a	n/a	VS7696

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	6.7	0.50	0.21	ug/l	
108-88-3	Toluene	2.5	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	44.9	1.0	0.40	ug/l	
1330-20-7	Xylene (total)	27.9	1.0	0.20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	138	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	3020 <sup>a</sup>	50	23	ug/l	
91-20-3	Naphthalene	11.3	5.0	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%	103%	79-120%
17060-07-0	1,2-Dichloroethane-D4	95%	92%	72-123%
2037-26-5	Toluene-D8	102%	106%	78-119%
460-00-4	4-Bromofluorobenzene	102%	91%	74-119%

(a) Result is from Run# 2

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-INF-20140923		<b>Date Sampled:</b> 09/23/14
<b>Lab Sample ID:</b> JB77497-1		<b>Date Received:</b> 09/24/14
<b>Matrix:</b> AQ - Influent		<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	UV18887.D	1	09/25/14	WO	n/a	n/a	GUV4714
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.06	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	75%		62-120%		

---

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-INF-20140923		<b>Date Sampled:</b> 09/23/14
<b>Lab Sample ID:</b> JB77497-1		<b>Date Received:</b> 09/24/14
<b>Matrix:</b> AQ - Influent		<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	2Y64869.D	1	09/27/14	JM	09/26/14	OP78331	G2Y2493
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)	0.476	0.083	0.080	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	57%		36-144%		
16416-32-3	Tetracosane-d50	58%		32-138%		
438-22-2	5a-Androstane	55%		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

## Report of Analysis

<b>Client Sample ID:</b>	SYS-EFF-20140923	<b>Date Sampled:</b>	09/23/14
<b>Lab Sample ID:</b>	JB77497-2	<b>Date Received:</b>	09/24/14
<b>Matrix:</b>	AQ - Effluent	<b>Percent Solids:</b>	n/a
<b>Method:</b>	SW846 8260B	<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	1A143600.D	1	09/30/14	DS	n/a	n/a	V1A6195
Run #2	S187406.D	10	09/27/14	VC	n/a	n/a	VS7696

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	87.7	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	2870 <sup>a</sup>	100	47	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	101%	79-120%
17060-07-0	1,2-Dichloroethane-D4	84%	91%	72-123%
2037-26-5	Toluene-D8	102%	105%	78-119%
460-00-4	4-Bromofluorobenzene	99%	90%	74-119%

(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

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<b>Client Sample ID:</b> SYS-EFF-20140923		<b>Date Sampled:</b> 09/23/14
<b>Lab Sample ID:</b> JB77497-2		<b>Date Received:</b> 09/24/14
<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	UV18888.D	1	09/25/14	WO	n/a	n/a	GUV4714
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.367	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	74%		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



## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody

aw

**CHAIN OF CUSTODY**

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

Client / Reporting Information		Project Information										FED-EX Tracking #	Bottle Order Control #
Company Name <b>Drake Petroleum Company, Inc. Attn: Eric Harvey</b>		Project Name: <b>Bel Air Xtra Fuels PC#007805</b>										Accession Quota #	Accutest Job # <b>JB77497</b>
Street Address <b>P.O. Box 866 221 Quinebaug Road</b>		Street <b>2476 Churchville Rd.</b>										Requested Analysis ( see TEST CODE sheet)	Matrix Codes
City State Zip <b>North Grosvenordale CT 6255</b>		City State <b>Bel Air MD</b>											
Project Contact <b>Carolyn Roth</b>		Billing Information ( if different from Report to)										VOCs w/ BTEX, Naphthalene, ANTR and BBA (8015B) TPH - G20 (8015B) TPH - DR0 (8015B)	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 - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank
E-mail <b>croth@brwncoald.com</b>		Company Name											
Phone # <b>302-545-4902</b>		Street Address										LAB USE ONLY E63 V841	
Fax #		City State Zip											
Sampler(s) Name(s)		Client Purchase Order # <b>146282.003.002</b>										* 2 x 300ml DEO @ 9/24/14	
Phone #		Project Manager <b>Carolyn Roth</b>											
Field ID / Point of Collection		Attention:										Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Original Raw data	
MEOH/DI Vial #		Collection											
Date		Matrix										Comments / Special Instructions	
Time		Number of preserved Bottles											
Sampled by		Matrix										Turnaround Time ( Business days ) <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 Approved By ( Accutest PM ): / Date: 7 day by WEI contract	
# of bottles		Data Deliverable Information											
HCl		Commercial "A" ( Level 1 )										Approved By ( Accutest PM ): / Date: 7 day by WEI contract	
NaOH		Commercial "B" ( Level 2 )											
HNO3		FULLT1 ( Level 3+4 )										Approved By ( Accutest PM ): / Date: 7 day by WEI contract	
H2SO4		NJ Reduced											
NONE		Commercial "C"										Approved By ( Accutest PM ): / Date: 7 day by WEI contract	
DI Water		NYASP Category A											
MEOH		NYASP Category B										Approved By ( Accutest PM ): / Date: 7 day by WEI contract	
ENCORE		State Forms											
		EDD Format										Approved By ( Accutest PM ): / Date: 7 day by WEI contract	
		Other											
		Emergency & Rush T/A data available VIA Lablink										Approved By ( Accutest PM ): / Date: 7 day by WEI contract	
		Sample Custody must be documented below each time samples change possession, including courier delivery.											
Relinquished by Sampler:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:	
1 B...		9-24-14		3		9-24-14		4		9-24-14		4	
3				3				4				4	
5				5				4				4	
2A				5				4				4	
												Custody Seal # <input type="checkbox"/> Intact Preserved where applicable <input type="checkbox"/> Not Intact On Ice Cooler Temp. 4.7	

**JB77497: Chain of Custody**

**Page 1 of 2**



# Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB77497 Client: \_\_\_\_\_ Project: \_\_\_\_\_  
 Date / Time Received: 9/24/2014 Delivery Method: \_\_\_\_\_ Airbill #s: \_\_\_\_\_

Cooler Temps (Initial/Adjusted): #1: (4.2/4.2); 0

<u>Cooler Security</u>	<u>Y</u>	<u>or</u>	<u>N</u>		<u>Y</u>	<u>or</u>	<u>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. Smpl Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

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

<u>Quality Control Preservatio</u>	<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"/>

<u>Sample Integrity - Documentation</u>	<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"/>

<u>Sample Integrity - Condition</u>	<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		

<u>Sample Integrity - Instructions</u>	<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

Accutest Laboratories  
V: 732.329.0200

2235 US Highway 130  
F: 732.329.3499

Dayton, New Jersey  
www.accutest.com

**JB77497: Chain of Custody**

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