

Technical Report for

Drake Petroleum Company, Inc.

**BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD
146282.003**

Accutest Job Number: JB87357

Sampling Date: 01/29/15

Report to:

Brown & Caldwell

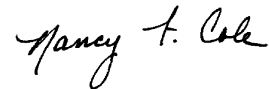
JMaciejewski@brwncald.com

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 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: JB87357

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

Project No: 146282.003

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB87357-1	01/29/15	12:10 SD	01/30/15	AQ	Effluent	EFF-012915
JB87357-2	01/29/15	12:15 SD	01/30/15	AQ	Influent	INF-012915

Summary of Hits

Job Number: JB87357
Account: Drake Petroleum Company, Inc.
Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD
Collected: 01/29/15

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB87357-1	EFF-012915					
Tert Butyl Alcohol		1810	100	47	ug/l	SW846 8260B
JB87357-2	INF-012915					
Benzene		175	2.5	1.0	ug/l	SW846 8260B
Toluene		806	5.0	1.1	ug/l	SW846 8260B
Ethylbenzene		130	5.0	2.0	ug/l	SW846 8260B
Xylene (total)		1860	5.0	1.0	ug/l	SW846 8260B
Methyl Tert Butyl Ether		196	5.0	1.3	ug/l	SW846 8260B
Tert Butyl Alcohol		1350	50	23	ug/l	SW846 8260B
Naphthalene		62.1	25	1.7	ug/l	SW846 8260B
TPH-GRO (C6-C10)		9.78	0.20	0.038	mg/l	SW846 8015C
TPH-DRO (C10-C28)		3.59	0.025	0.024	mg/l	SW846 8015C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: EFF-012915	Date Sampled: 01/29/15
Lab Sample ID: JB87357-1	Date Received: 01/30/15
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	2A155188.D	1	02/02/15	MM	n/a	n/a	V2A6616
Run #2	2A155234.D	10	02/03/15	MM	n/a	n/a	V2A6618

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	1810 ^a	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	87%	90%	76-122%
17060-07-0	1,2-Dichloroethane-D4	93%	93%	71-124%
2037-26-5	Toluene-D8	93%	94%	78-121%
460-00-4	4-Bromofluorobenzene	90%	90%	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

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Client Sample ID: EFF-012915		Date Sampled: 01/29/15
Lab Sample ID: JB87357-1		Date Received: 01/30/15
Matrix: AQ - Effluent		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	LM69728.D	1	02/02/15	WO	n/a	n/a	GLM2782
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	94%		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

Client Sample ID: EFF-012915		Date Sampled: 01/29/15
Lab Sample ID: JB87357-1		Date Received: 01/30/15
Matrix: AQ - Effluent		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
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	7Y9663.D	1	02/04/15	JM	02/02/15	OP81544	G7Y358
Run #2							

Run #	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.026	0.025	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	72%		36-144%		
16416-32-3	Tetracosane-d50	77%		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

Report of Analysis

Client Sample ID:	INF-012915	Date Sampled:	01/29/15
Lab Sample ID:	JB87357-2	Date Received:	01/30/15
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	2A155229.D	5	02/03/15	MM	n/a	n/a	V2A6618
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	175	2.5	1.0	ug/l	
108-88-3	Toluene	806	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	130	5.0	2.0	ug/l	
1330-20-7	Xylene (total)	1860	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	196	5.0	1.3	ug/l	
75-65-0	Tert Butyl Alcohol	1350	50	23	ug/l	
91-20-3	Naphthalene	62.1	25	1.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		76-122%
17060-07-0	1,2-Dichloroethane-D4	94%		71-124%
2037-26-5	Toluene-D8	95%		78-121%
460-00-4	4-Bromofluorobenzene	88%		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

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3

Client Sample ID: INF-012915		Date Sampled: 01/29/15
Lab Sample ID: JB87357-2		Date Received: 01/30/15
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	LM69729.D	1	02/02/15	WO	n/a	n/a	GLM2782
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	9.78	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	94%		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

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3

Client Sample ID: INF-012915		Date Sampled: 01/29/15
Lab Sample ID: JB87357-2		Date Received: 01/30/15
Matrix: AQ - Influent		Percent Solids: n/a
Method: SW846 8015C SW846 3510C		
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	7Y9664.D	1	02/04/15	JM	02/02/15	OP81544	G7Y358
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	3.59	0.025	0.024	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	64%		36-144%		
16416-32-3	Tetracosane-d50	59%		32-138%		
438-22-2	5a-Androstane	54%		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



aw

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 # JB87357

Client / Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)										Matrix Codes		
Company Name Brown + Caldwell		Project Name Bel Air		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> WLC (M.T.B.F., B.T.E.X., T.B.A., M.P.H.) T.P.H.G.R.D. T.P.H.D.R.O. </div> <div style="border: 1px solid black; padding: 5px;"> DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment CI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank </div> </div>										LAB USE ONLY E71 V1136		
Street Address 505 Rt 38E		Street Churchville Rd														
City, State, Zip Cherry Hill NJ		City, State, Zip Bel Air MD														
Project Contact A. J. Kugler		Project # 1416282.003														
Phone # 856 330 8325		Client Purchase Order #														
Supplier(s) Name(s) Sarah Doliber		Project Manager A. J. Kugler														
Field ID / Point of Collection		MECH/VI Vial #	Collection		Number of preserved Bottles											
1 EFF-012915			Date	Time	Sampled by	Matrix	# of bottles	NICI	NICH	HNCD	HSOA	NONE	DI Water	MECH	ENCORE	
2 INF-012915			1/29/15	1210	SD	GW	7	7								
			1/29/15	1215	SD	GW	7	7								

Turnaround Time (Business days)		Data Deliverable Information										Comments / Special Instructions		
<input checked="" type="checkbox"/> Std. 10 Business Days <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day RUSH <input type="checkbox"/> 2 Day RUSH <input type="checkbox"/> 1 Day RUSH <input type="checkbox"/> other		Approved By (Accutest PM): See Contract 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 <input type="checkbox"/> NJ Data of Known Quality Protocol Reporting <small>Commercial "A" = Results Only, Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data</small>										

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

Relinquished by:	Date Time:	Received By:	Date Time:	Relinquished by:	Date Time:	Received By:	Date Time:
1 <i>[Signature]</i>	1/30/15 1045	2 <i>[Signature]</i>	1-30-15 1050	3 <i>[Signature]</i>	1-30-15	4 <i>[Signature]</i>	1720
Relinquished by:	Date Time:	Received By:	Date Time:	Relinquished by:	Date Time:	Received By:	Date Time:
3		4		5		6	

Custody Seal # **BY DVVR 72** Intact Preserved where applicable On Ice Cooler Temp. **2.16**
 Not intact

JB87357: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB87357 **Client:** _____ **Project:** _____
Date / Time Received: 1/30/2015 5:20:00 PM **Delivery Method:** _____ **Airbill #s:** _____
Cooler Temps (Initial/Adjusted): #1: (2.1/2); 0

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

Cooler Temperature Y or N
 1. Temp criteria achieved:
 2. Cooler temp verification: IR Gun
 3. Cooler media: Ice (Bag)
 4. No. Coolers: 1

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

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

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

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

Comments

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