

## Technical Report for

**Drake Petroleum Company, Inc.**

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

**Accutest Job Number: JB89425**

**Sampling Dates: 03/03/15 - 03/04/15**

**Report to:**

**Brown & Caldwell**

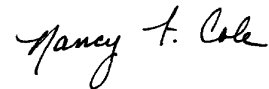
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**Total number of pages in report: 105**



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**Laboratory Director**

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## Sample Summary

Drake Petroleum Company, Inc.

Job No: JB89425

BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD  
Project No: 146282

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB89425-1	03/03/15	12:49 EM	03/06/15	AQ	Ground Water	MW-16D-20150303
JB89425-2	03/03/15	13:00 EM	03/06/15	AQ	Ground Water	MW-16S-20150303
JB89425-3	03/03/15	13:10 EM	03/06/15	AQ	Ground Water	MW-16I-20150303
JB89425-4	03/03/15	13:40 EM	03/06/15	AQ	Ground Water	MW-17S-20150303
JB89425-5	03/03/15	14:15 EM	03/06/15	AQ	Ground Water	MW-9-20150303
JB89425-6	03/03/15	14:25 EM	03/06/15	AQ	Ground Water	MW-14-20150303
JB89425-7	03/03/15	14:35 EM	03/06/15	AQ	Ground Water	MW-11-20150303
JB89425-8	03/04/15	08:10 EM	03/06/15	AQ	Ground Water	MW-15D-20150304
JB89425-9	03/04/15	08:15 EM	03/06/15	AQ	Ground Water	MW-15S-20150304
JB89425-10	03/04/15	09:00 EM	03/06/15	AQ	Ground Water	MW-8-20150304
JB89425-11	03/04/15	14:15 EM	03/06/15	AQ	Ground Water	MW-7-20150304
JB89425-12	03/04/15	14:40 EM	03/06/15	AQ	Ground Water	RW-10-20150304
JB89425-13	03/04/15	14:45 EM	03/06/15	AQ	Ground Water	RW-12-20150304



## Sample Summary (continued)

**Drake Petroleum Company, Inc.**

**Job No: JB89425**

**BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD**  
**Project No: 146282**

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB89425-14	03/04/15	15:00 EM	03/06/15	AQ	Ground Water	RW-20-20150304
JB89425-15	03/04/15	15:10 EM	03/06/15	AQ	Ground Water	RW-18-20150304
JB89425-16	03/04/15	15:20 EM	03/06/15	AQ	Field Blank Water	FB-20150304
JB89425-17	03/04/15	15:25 EM	03/06/15	AQ	Ground Water	MW-19-20150304
JB89425-18	03/04/15	15:35 EM	03/06/15	AQ	Ground Water	RW-17-20150304
JB89425-19	03/04/15	15:35 EM	03/06/15	AQ	Trip Blank Water	TB

## Summary of Hits

**Job Number:** JB89425  
**Account:** Drake Petroleum Company, Inc.  
**Project:** BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD  
**Collected:** 03/03/15 thru 03/04/15

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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**JB89425-1 MW-16D-20150303**

Di-Isopropyl ether	0.57 J	2.0	0.20	ug/l	SW846 8260B
Methyl Tert Butyl Ether	4.5	1.0	0.26	ug/l	SW846 8260B
m,p-Xylene	0.55 J	1.0	0.45	ug/l	SW846 8260B
o-Xylene	0.33 J	1.0	0.20	ug/l	SW846 8260B
Xylene (total)	0.88 J	1.0	0.20	ug/l	SW846 8260B

**JB89425-2 MW-16S-20150303**

Benzene	37.5	2.5	1.0	ug/l	SW846 8260B
Di-Isopropyl ether	4.6 J	10	1.0	ug/l	SW846 8260B
Methyl Tert Butyl Ether	1130	50	13	ug/l	SW846 8260B
Naphthalene	1.8 J	25	1.7	ug/l	SW846 8260B
Tert Butyl Alcohol	535	50	23	ug/l	SW846 8260B
tert-Amyl Methyl Ether	36.9	10	1.3	ug/l	SW846 8260B
TPH-GRO (C6-C10)	1.48	0.20	0.038	mg/l	SW846 8015C

**JB89425-3 MW-16I-20150303**

Benzene	4.6 J	5.0	2.1	ug/l	SW846 8260B
Di-Isopropyl ether	16.0 J	20	2.0	ug/l	SW846 8260B
Methyl Tert Butyl Ether	3650	100	26	ug/l	SW846 8260B
Naphthalene	5.3 J	50	3.4	ug/l	SW846 8260B
Tert Butyl Alcohol	912	100	47	ug/l	SW846 8260B
tert-Amyl Methyl Ether	112	20	2.7	ug/l	SW846 8260B
tert-Butyl Ethyl Ether	3.8 J	20	2.1	ug/l	SW846 8260B
TPH-GRO (C6-C10)	4.45	0.20	0.038	mg/l	SW846 8015C

**JB89425-4 MW-17S-20150303**

No hits reported in this sample.

**JB89425-5 MW-9-20150303**

Acetone	3.6 J	10	2.6	ug/l	SW846 8260B
Di-Isopropyl ether	0.51 J	2.0	0.20	ug/l	SW846 8260B
Methyl Tert Butyl Ether	6.1	1.0	0.26	ug/l	SW846 8260B
Tert Butyl Alcohol	64.2	10	4.7	ug/l	SW846 8260B

**JB89425-6 MW-14-20150303**

Benzene	6.1 J	10	4.2	ug/l	SW846 8260B
Di-Isopropyl ether	25.4 J	40	4.0	ug/l	SW846 8260B
Methyl Tert Butyl Ether	2610	20	5.3	ug/l	SW846 8260B

## Summary of Hits

**Job Number:** JB89425  
**Account:** Drake Petroleum Company, Inc.  
**Project:** BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD  
**Collected:** 03/03/15 thru 03/04/15

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Tert Butyl Alcohol		8830	200	93	ug/l	SW846 8260B
tert-Amyl Methyl Ether		109	40	5.3	ug/l	SW846 8260B
TPH-GRO (C6-C10)		3.21	0.20	0.038	mg/l	SW846 8015C

JB89425-7 MW-11-20150303

Benzene		44.3	0.50	0.21	ug/l	SW846 8260B
n-Butylbenzene		0.66 J	2.0	0.18	ug/l	SW846 8260B
sec-Butylbenzene		0.51 J	2.0	0.47	ug/l	SW846 8260B
Di-Isopropyl ether		2.6	2.0	0.20	ug/l	SW846 8260B
Ethylbenzene		29.3	1.0	0.40	ug/l	SW846 8260B
Isopropylbenzene		3.6	1.0	0.26	ug/l	SW846 8260B
Methyl Tert Butyl Ether		252	5.0	1.3	ug/l	SW846 8260B
Naphthalene		22.1	5.0	0.34	ug/l	SW846 8260B
n-Propylbenzene		4.3	2.0	0.31	ug/l	SW846 8260B
Tert Butyl Alcohol		128	10	4.7	ug/l	SW846 8260B
tert-Amyl Methyl Ether		12.0	2.0	0.27	ug/l	SW846 8260B
Toluene		77.6	1.0	0.22	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		39.2	2.0	0.19	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		10.8	2.0	0.17	ug/l	SW846 8260B
m,p-Xylene		114	1.0	0.45	ug/l	SW846 8260B
o-Xylene		65.0	1.0	0.20	ug/l	SW846 8260B
Xylene (total)		179	1.0	0.20	ug/l	SW846 8260B
TPH-GRO (C6-C10)		1.14	0.20	0.038	mg/l	SW846 8015C

JB89425-8 MW-15D-20150304

Acetone		3.0 J	10	2.6	ug/l	SW846 8260B
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JB89425-9 MW-15S-20150304

No hits reported in this sample.

JB89425-10 MW-8-20150304

Methyl Tert Butyl Ether		21.0	1.0	0.26	ug/l	SW846 8260B
tert-Amyl Methyl Ether		0.83 J	2.0	0.27	ug/l	SW846 8260B

JB89425-11 MW-7-20150304

Acetone		51.5	40	11	ug/l	SW846 8260B
Benzene		6.4	2.0	0.84	ug/l	SW846 8260B
2-Butanone (MEK)		17.6 J	40	9.9	ug/l	SW846 8260B
n-Butylbenzene		7.2 J	8.0	0.71	ug/l	SW846 8260B
sec-Butylbenzene		5.3 J	8.0	1.9	ug/l	SW846 8260B

## Summary of Hits

**Job Number:** JB89425  
**Account:** Drake Petroleum Company, Inc.  
**Project:** BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD  
**Collected:** 03/03/15 thru 03/04/15

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Di-Isopropyl ether		2.3 J	8.0	0.81	ug/l	SW846 8260B
Ethylbenzene		469	4.0	1.6	ug/l	SW846 8260B
Isopropylbenzene		37.1	4.0	1.0	ug/l	SW846 8260B
p-Isopropyltoluene		8.8	8.0	1.9	ug/l	SW846 8260B
Methyl Tert Butyl Ether		95.5	4.0	1.1	ug/l	SW846 8260B
4-Methyl-2-pentanone(MIBK)		5.7 J	20	4.2	ug/l	SW846 8260B
Naphthalene		261	20	1.4	ug/l	SW846 8260B
n-Propylbenzene		56.1	8.0	1.2	ug/l	SW846 8260B
Tert Butyl Alcohol		776	40	19	ug/l	SW846 8260B
tert-Amyl Methyl Ether		6.3 J	8.0	1.1	ug/l	SW846 8260B
Toluene		58.1	4.0	0.88	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		1390	100	9.3	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		171	8.0	0.70	ug/l	SW846 8260B
m,p-Xylene		687	4.0	1.8	ug/l	SW846 8260B
o-Xylene		183	4.0	0.80	ug/l	SW846 8260B
Xylene (total)		870	4.0	0.80	ug/l	SW846 8260B
TPH-GRO (C6-C10)		8.92	0.20	0.038	mg/l	SW846 8015C
TPH-DRO (C10-C28)		8.42	0.083	0.080	mg/l	SW846 8015C
<b>JB89425-12 RW-10-20150304</b>						
TPH-DRO (C10-C28)		0.439	0.083	0.080	mg/l	SW846 8015C
<b>JB89425-13 RW-12-20150304</b>						
Acetone		3.8 J	10	2.6	ug/l	SW846 8260B
Tert Butyl Alcohol		7.0 J	10	4.7	ug/l	SW846 8260B
TPH-DRO (C10-C28)		0.453	0.083	0.080	mg/l	SW846 8015C
<b>JB89425-14 RW-20-20150304</b>						
Benzene		8.0	0.50	0.21	ug/l	SW846 8260B
n-Butylbenzene		0.43 J	2.0	0.18	ug/l	SW846 8260B
sec-Butylbenzene		1.3 J	2.0	0.47	ug/l	SW846 8260B
Di-Isopropyl ether		8.6	2.0	0.20	ug/l	SW846 8260B
Ethylbenzene		34.4	1.0	0.40	ug/l	SW846 8260B
Isopropylbenzene		4.4	1.0	0.26	ug/l	SW846 8260B
Methyl Tert Butyl Ether		57.7	1.0	0.26	ug/l	SW846 8260B
Naphthalene		3.7 J	5.0	0.34	ug/l	SW846 8260B
n-Propylbenzene		6.9	2.0	0.31	ug/l	SW846 8260B
Tert Butyl Alcohol		2420	100	47	ug/l	SW846 8260B
tert-Amyl Methyl Ether		3.8	2.0	0.27	ug/l	SW846 8260B
tert-Butyl Ethyl Ether		0.92 J	2.0	0.21	ug/l	SW846 8260B
Toluene		0.99 J	1.0	0.22	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		6.3	2.0	0.19	ug/l	SW846 8260B

## Summary of Hits

**Job Number:** JB89425  
**Account:** Drake Petroleum Company, Inc.  
**Project:** BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD  
**Collected:** 03/03/15 thru 03/04/15

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
1,3,5-Trimethylbenzene		0.35 J	2.0	0.17	ug/l	SW846 8260B
m,p-Xylene		7.1	1.0	0.45	ug/l	SW846 8260B
o-Xylene		18.0	1.0	0.20	ug/l	SW846 8260B
Xylene (total)		25.1	1.0	0.20	ug/l	SW846 8260B
TPH-GRO (C6-C10)		0.500	0.20	0.038	mg/l	SW846 8015C
TPH-DRO (C10-C28)		1.11	0.083	0.080	mg/l	SW846 8015C
<b>JB89425-15 RW-18-20150304</b>						
Acetone		11.1	10	2.6	ug/l	SW846 8260B
<b>JB89425-16 FB-20150304</b>						
No hits reported in this sample.						
<b>JB89425-17 MW-19-20150304</b>						
Acetone		14.2	10	2.6	ug/l	SW846 8260B
TPH-DRO (C10-C28)		1.49	0.083	0.080	mg/l	SW846 8015C
<b>JB89425-18 RW-17-20150304</b>						
Acetone		22.8	10	2.6	ug/l	SW846 8260B
4-Methyl-2-pentanone(MIBK)		2.6 J	5.0	1.1	ug/l	SW846 8260B
Tert Butyl Alcohol		12.1	10	4.7	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		0.41 J	2.0	0.19	ug/l	SW846 8260B
TPH-DRO (C10-C28)		2.61	0.083	0.080	mg/l	SW846 8015C
<b>JB89425-19 TB</b>						
No hits reported in this sample.						



**Sample Results**

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**Report of Analysis**

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## Report of Analysis

Client Sample ID:	MW-16D-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-1	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142506.D	1	03/10/15	BK	n/a	n/a	V2D5978
Run #2							

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

## 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	ND	0.50	0.21	ug/l	
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	0.57	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

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:	MW-16D-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-1	Date Received:	03/06/15
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.24	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.28	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.40	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.29	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.26	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.47	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.5	1.0	0.26	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.1	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.45	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.81	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.31	ug/l	
100-42-5	Styrene	ND	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	4.7	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.27	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.26	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.32	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.25	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.98	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.17	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.17	ug/l	
	m,p-Xylene	0.55	1.0	0.45	ug/l	J
95-47-6	o-Xylene	0.33	1.0	0.20	ug/l	J
1330-20-7	Xylene (total)	0.88	1.0	0.20	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		76-122%

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> MW-16D-20150303	
<b>Lab Sample ID:</b> JB89425-1	<b>Date Sampled:</b> 03/03/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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%		71-124%
2037-26-5	Toluene-D8	108%		78-121%
460-00-4	4-Bromofluorobenzene	109%		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

3.1  
3

Client Sample ID:	MW-16D-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-1	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	UV22268.D	1	03/09/15	WO	n/a	n/a	GUV4866
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%		

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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

Client Sample ID: MW-16D-20150303		Date Sampled: 03/03/15
Lab Sample ID: JB89425-1		Date Received: 03/06/15
Matrix: AQ - Ground Water		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	2Y68375.D	1	03/09/15	JM	03/09/15	OP82204	G2Y2626
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	85%		36-144%		
16416-32-3	Tetracosane-d50	85%		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

Client Sample ID:	MW-16S-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-2	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142510.D	5	03/10/15	BK	n/a	n/a	V2D5978
Run #2	2D142511.D	50	03/10/15	BK	n/a	n/a	V2D5978

Run #	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	50	13	ug/l	
71-43-2	Benzene	37.5	2.5	1.0	ug/l	
108-86-1	Bromobenzene	ND	5.0	1.4	ug/l	
74-97-5	Bromochloromethane	ND	5.0	2.4	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.4	ug/l	
75-25-2	Bromoform	ND	5.0	1.6	ug/l	
74-83-9	Bromomethane	ND	10	1.9	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	12	ug/l	
104-51-8	n-Butylbenzene	ND	10	0.89	ug/l	
135-98-8	sec-Butylbenzene	ND	10	2.3	ug/l	
98-06-6	tert-Butylbenzene	ND	10	1.5	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.2	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.4	ug/l	
75-00-3	Chloroethane	ND	5.0	2.8	ug/l	
67-66-3	Chloroform	ND	5.0	1.0	ug/l	
74-87-3	Chloromethane	ND	5.0	1.7	ug/l	
95-49-8	o-Chlorotoluene	ND	10	1.2	ug/l	
106-43-4	p-Chlorotoluene	ND	10	1.2	ug/l	
108-20-3	Di-Isopropyl ether	4.6	10	1.0	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	5.9	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.2	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.80	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.3	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.2	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	3.6	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.5	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	2.5	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	1.6	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	2.6	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.2	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

Client Sample ID:	MW-16S-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-2	Date Received:	03/06/15
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	1.2	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.5	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	ug/l	
100-41-4	Ethylbenzene	ND	5.0	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	1.5	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	1.3	ug/l	
99-87-6	p-Isopropyltoluene	ND	10	2.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1130 <sup>a</sup>	50	13	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	5.3	ug/l	
74-95-3	Methylene bromide	ND	5.0	2.3	ug/l	
75-09-2	Methylene chloride	ND	10	4.1	ug/l	
91-20-3	Naphthalene	1.8	25	1.7	ug/l	J
103-65-1	n-Propylbenzene	ND	10	1.6	ug/l	
100-42-5	Styrene	ND	5.0	1.3	ug/l	
75-65-0	Tert Butyl Alcohol	535	50	23	ug/l	
994-05-8	tert-Amyl Methyl Ether	36.9	10	1.3	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	10	1.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.93	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	1.8	ug/l	
108-88-3	Toluene	ND	5.0	1.1	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.3	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.1	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.6	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.4	ug/l	
79-01-6	Trichloroethene	ND	5.0	1.2	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	1.4	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	10	4.9	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	10	0.93	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	10	0.87	ug/l	
75-01-4	Vinyl chloride	ND	5.0	0.87	ug/l	
	m,p-Xylene	ND	5.0	2.2	ug/l	
95-47-6	o-Xylene	ND	5.0	1.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%	110%	76-122%

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> MW-16S-20150303	
<b>Lab Sample ID:</b> JB89425-2	<b>Date Sampled:</b> 03/03/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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	108%	108%	71-124%
2037-26-5	Toluene-D8	109%	109%	78-121%
460-00-4	4-Bromofluorobenzene	110%	110%	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

32  
3

Client Sample ID:	MW-16S-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-2	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	UV22269.D	1	03/09/15	WO	n/a	n/a	GUV4866
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.48	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	99%		62-120%		

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

### Report of Analysis

32  
3

<b>Client Sample ID:</b> MW-16S-20150303		
<b>Lab Sample ID:</b> JB89425-2		<b>Date Sampled:</b> 03/03/15
<b>Matrix:</b> AQ - Ground Water		<b>Date Received:</b> 03/06/15
<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		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y68376.D	1	03/09/15	JM	03/09/15	OP82204	G2Y2626
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	85%		36-144%		
16416-32-3	Tetracosane-d50	85%		32-138%		
438-22-2	5a-Androstane	85%		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:	MW-161-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-3	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142504.D	10	03/10/15	BK	n/a	n/a	V2D5978
Run #2	2D142505.D	100	03/10/15	BK	n/a	n/a	V2D5978

Run #	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	100	26	ug/l	
71-43-2	Benzene	4.6	5.0	2.1	ug/l	J
108-86-1	Bromobenzene	ND	10	2.8	ug/l	
74-97-5	Bromochloromethane	ND	10	4.9	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.8	ug/l	
75-25-2	Bromoform	ND	10	3.1	ug/l	
74-83-9	Bromomethane	ND	20	3.9	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	25	ug/l	
104-51-8	n-Butylbenzene	ND	20	1.8	ug/l	
135-98-8	sec-Butylbenzene	ND	20	4.7	ug/l	
98-06-6	tert-Butylbenzene	ND	20	3.0	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.4	ug/l	
108-90-7	Chlorobenzene	ND	10	2.7	ug/l	
75-00-3	Chloroethane	ND	10	5.6	ug/l	
67-66-3	Chloroform	ND	10	2.0	ug/l	
74-87-3	Chloromethane	ND	10	3.3	ug/l	
95-49-8	o-Chlorotoluene	ND	20	2.4	ug/l	
106-43-4	p-Chlorotoluene	ND	20	2.5	ug/l	
108-20-3	Di-Isopropyl ether	16.0	20	2.0	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	12	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.5	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	2.3	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	1.6	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	2.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	2.4	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	7.3	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	3.5	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	3.3	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	5.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	4.3	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

Client Sample ID:	MW-161-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-3	Date Received:	03/06/15
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	10	2.4	ug/l	
594-20-7	2,2-Dichloropropane	ND	10	3.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	10	2.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.8	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.2	ug/l	
100-41-4	Ethylbenzene	ND	10	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	20	2.9	ug/l	
98-82-8	Isopropylbenzene	ND	10	2.6	ug/l	
99-87-6	p-Isopropyltoluene	ND	20	4.7	ug/l	
1634-04-4	Methyl Tert Butyl Ether	3650 <sup>a</sup>	100	26	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	11	ug/l	
74-95-3	Methylene bromide	ND	10	4.5	ug/l	
75-09-2	Methylene chloride	ND	20	8.1	ug/l	
91-20-3	Naphthalene	5.3	50	3.4	ug/l	J
103-65-1	n-Propylbenzene	ND	20	3.1	ug/l	
100-42-5	Styrene	ND	10	2.6	ug/l	
75-65-0	Tert Butyl Alcohol	912	100	47	ug/l	
994-05-8	tert-Amyl Methyl Ether	112	20	2.7	ug/l	
637-92-3	tert-Butyl Ethyl Ether	3.8	20	2.1	ug/l	J
630-20-6	1,1,1,2-Tetrachloroethane	ND	10	1.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.9	ug/l	
127-18-4	Tetrachloroethene	ND	10	3.5	ug/l	
108-88-3	Toluene	ND	10	2.2	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	2.6	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	2.2	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	3.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.8	ug/l	
79-01-6	Trichloroethene	ND	10	2.5	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	2.8	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	20	9.8	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	20	1.9	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	20	1.7	ug/l	
75-01-4	Vinyl chloride	ND	10	1.7	ug/l	
	m,p-Xylene	ND	10	4.5	ug/l	
95-47-6	o-Xylene	ND	10	2.0	ug/l	
1330-20-7	Xylene (total)	ND	10	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%	110%	76-122%

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> MW-16I-20150303		<b>Date Sampled:</b> 03/03/15
<b>Lab Sample ID:</b> JB89425-3		<b>Date Received:</b> 03/06/15
<b>Matrix:</b> AQ - Ground Water		<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		

**VOA Full List + Oxygenates**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%	107%	71-124%
2037-26-5	Toluene-D8	108%	109%	78-121%
460-00-4	4-Bromofluorobenzene	111%	110%	77-120%

(a) Result is from Run# 2

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

## Report of Analysis

Client Sample ID:	MW-16I-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-3	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	UV22270.D	1	03/09/15	WO	n/a	n/a	GUV4866
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4.45	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	104%		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

<b>Client Sample ID:</b> MW-16I-20150303		<b>Date Sampled:</b> 03/03/15
<b>Lab Sample ID:</b> JB89425-3		<b>Date Received:</b> 03/06/15
<b>Matrix:</b> AQ - Ground Water		<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	2Y68377.D	1	03/09/15	JM	03/09/15	OP82204	G2Y2626
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	90%		36-144%		
16416-32-3	Tetracosane-d50	91%		32-138%		
438-22-2	5a-Androstane	93%		31-136%		

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



## Report of Analysis

Client Sample ID:	MW-17S-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-4	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142507.D	1	03/10/15	BK	n/a	n/a	V2D5978
Run #2							

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

## 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	ND	0.50	0.21	ug/l	
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	ND	2.0	0.20	ug/l	
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

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:	MW-17S-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-4	Date Received:	03/06/15
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.24	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.28	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.40	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.29	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.26	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.47	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.1	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.45	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.81	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.31	ug/l	
100-42-5	Styrene	ND	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	4.7	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.27	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.26	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.32	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.25	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.98	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.17	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.17	ug/l	
	m,p-Xylene	ND	1.0	0.45	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		76-122%

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> MW-17S-20150303	
<b>Lab Sample ID:</b> JB89425-4	<b>Date Sampled:</b> 03/03/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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%		71-124%
2037-26-5	Toluene-D8	111%		78-121%
460-00-4	4-Bromofluorobenzene	111%		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

3.4  
3

<b>Client Sample ID:</b> MW-17S-20150303	<b>Date Sampled:</b> 03/03/15
<b>Lab Sample ID:</b> JB89425-4	<b>Date Received:</b> 03/06/15
<b>Matrix:</b> AQ - Ground Water	<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	UV22271.D	1	03/09/15	WO	n/a	n/a	GUV4866
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	100%		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

3.4  
3

Client Sample ID:	MW-17S-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-4	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2Y68378.D	1	03/09/15	JM	03/09/15	OP82204	G2Y2626
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	80%		36-144%		
16416-32-3	Tetracosane-d50	70%		32-138%		
438-22-2	5a-Androstane	70%		31-136%		

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

## Report of Analysis

Client Sample ID:	MW-9-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-5	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142508.D	1	03/10/15	BK	n/a	n/a	V2D5978
Run #2							

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

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	3.6	10	2.6	ug/l	J
71-43-2	Benzene	ND	0.50	0.21	ug/l	
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	0.51	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

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> MW-9-20150303	
<b>Lab Sample ID:</b> JB89425-5	<b>Date Sampled:</b> 03/03/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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%		71-124%
2037-26-5	Toluene-D8	108%		78-121%
460-00-4	4-Bromofluorobenzene	109%		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

3.5  
3

Client Sample ID:	MW-9-20150303	
Lab Sample ID:	JB89425-5	Date Sampled: 03/03/15
Matrix:	AQ - Ground Water	Date Received: 03/06/15
Method:	SW846 8015C	Percent Solids: n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV22272.D	1	03/09/15	WO	n/a	n/a	GUV4866
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	101%		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

3.5  
3

Client Sample ID: MW-9-20150303		Date Sampled: 03/03/15
Lab Sample ID: JB89425-5		Date Received: 03/06/15
Matrix: AQ - Ground Water		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	2Y68381.D	1	03/09/15	JM	03/09/15	OP82204	G2Y2626
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	92%		36-144%		
16416-32-3	Tetracosane-d50	91%		32-138%		
438-22-2	5a-Androstane	94%		31-136%		

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

## Report of Analysis

Client Sample ID:	MW-14-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-6	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142509.D	20	03/10/15	BK	n/a	n/a	V2D5978
Run #2							

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

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	53	ug/l	
71-43-2	Benzene	6.1	10	4.2	ug/l	J
108-86-1	Bromobenzene	ND	20	5.5	ug/l	
74-97-5	Bromochloromethane	ND	20	9.7	ug/l	
75-27-4	Bromodichloromethane	ND	20	5.6	ug/l	
75-25-2	Bromoform	ND	20	6.2	ug/l	
74-83-9	Bromomethane	ND	40	7.7	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	50	ug/l	
104-51-8	n-Butylbenzene	ND	40	3.6	ug/l	
135-98-8	sec-Butylbenzene	ND	40	9.3	ug/l	
98-06-6	tert-Butylbenzene	ND	40	5.9	ug/l	
56-23-5	Carbon tetrachloride	ND	20	4.7	ug/l	
108-90-7	Chlorobenzene	ND	20	5.4	ug/l	
75-00-3	Chloroethane	ND	20	11	ug/l	
67-66-3	Chloroform	ND	20	4.1	ug/l	
74-87-3	Chloromethane	ND	20	6.6	ug/l	
95-49-8	o-Chlorotoluene	ND	40	4.8	ug/l	
106-43-4	p-Chlorotoluene	ND	40	5.0	ug/l	
108-20-3	Di-Isopropyl ether	25.4	40	4.0	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	40	23	ug/l	
124-48-1	Dibromochloromethane	ND	20	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	4.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	20	3.2	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	20	5.1	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	20	4.7	ug/l	
75-71-8	Dichlorodifluoromethane	ND	40	15	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	7.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	9.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	20	6.5	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	20	10	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	8.7	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

Client Sample ID:	MW-14-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-6	Date Received:	03/06/15
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	20	4.7	ug/l	
594-20-7	2,2-Dichloropropane	ND	20	5.9	ug/l	
563-58-6	1,1-Dichloropropene	ND	20	4.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.7	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	6.3	ug/l	
100-41-4	Ethylbenzene	ND	20	7.9	ug/l	
87-68-3	Hexachlorobutadiene	ND	40	5.8	ug/l	
98-82-8	Isopropylbenzene	ND	20	5.1	ug/l	
99-87-6	p-Isopropyltoluene	ND	40	9.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2610	20	5.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	21	ug/l	
74-95-3	Methylene bromide	ND	20	9.0	ug/l	
75-09-2	Methylene chloride	ND	40	16	ug/l	
91-20-3	Naphthalene	ND	100	6.9	ug/l	
103-65-1	n-Propylbenzene	ND	40	6.2	ug/l	
100-42-5	Styrene	ND	20	5.1	ug/l	
75-65-0	Tert Butyl Alcohol	8830	200	93	ug/l	
994-05-8	tert-Amyl Methyl Ether	109	40	5.3	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	40	4.1	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	20	3.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	7.9	ug/l	
127-18-4	Tetrachloroethene	ND	20	7.0	ug/l	
108-88-3	Toluene	ND	20	4.4	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	20	5.3	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	4.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	6.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	5.5	ug/l	
79-01-6	Trichloroethene	ND	20	5.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	40	5.6	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	40	20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	40	3.7	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	40	3.5	ug/l	
75-01-4	Vinyl chloride	ND	20	3.5	ug/l	
	m,p-Xylene	ND	20	9.0	ug/l	
95-47-6	o-Xylene	ND	20	4.0	ug/l	
1330-20-7	Xylene (total)	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		76-122%

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> MW-14-20150303	
<b>Lab Sample ID:</b> JB89425-6	<b>Date Sampled:</b> 03/03/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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	108%		71-124%
2037-26-5	Toluene-D8	109%		78-121%
460-00-4	4-Bromofluorobenzene	110%		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

<b>Client Sample ID:</b> MW-14-20150303	
<b>Lab Sample ID:</b> JB89425-6	<b>Date Sampled:</b> 03/03/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV22273.D	1	03/09/15	WO	n/a	n/a	GUV4866
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	3.21	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	99%		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

3.6  
3

Client Sample ID:	MW-14-20150303	
Lab Sample ID:	JB89425-6	Date Sampled: 03/03/15
Matrix:	AQ - Ground Water	Date Received: 03/06/15
Method:	SW846 8015C SW846 3510C	Percent Solids: n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y68382.D	1	03/10/15	JM	03/09/15	OP82204	G2Y2626
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	83%		36-144%		
16416-32-3	Tetracosane-d50	84%		32-138%		
438-22-2	5a-Androstane	85%		31-136%		

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

## Report of Analysis

Client Sample ID:	MW-11-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-7	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142512.D	1	03/10/15	BK	n/a	n/a	V2D5978
Run #2	2D142537.D	5	03/10/15	BK	n/a	n/a	V2D5979

Run #	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	44.3	0.50	0.21	ug/l	
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	0.66	2.0	0.18	ug/l	J
135-98-8	sec-Butylbenzene	0.51	2.0	0.47	ug/l	J
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	2.6	2.0	0.20	ug/l	
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

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:	MW-11-20150303	Date Sampled:	03/03/15
Lab Sample ID:	JB89425-7	Date Received:	03/06/15
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.24	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.28	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.32	ug/l	
100-41-4	Ethylbenzene	29.3	1.0	0.40	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.29	ug/l	
98-82-8	Isopropylbenzene	3.6	1.0	0.26	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.47	ug/l	
1634-04-4	Methyl Tert Butyl Ether	252 <sup>a</sup>	5.0	1.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.1	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.45	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.81	ug/l	
91-20-3	Naphthalene	22.1	5.0	0.34	ug/l	
103-65-1	n-Propylbenzene	4.3	2.0	0.31	ug/l	
100-42-5	Styrene	ND	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	128	10	4.7	ug/l	
994-05-8	tert-Amyl Methyl Ether	12.0	2.0	0.27	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.35	ug/l	
108-88-3	Toluene	77.6	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.26	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.32	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.25	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.98	ug/l	
95-63-6	1,2,4-Trimethylbenzene	39.2	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	10.8	2.0	0.17	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.17	ug/l	
	m,p-Xylene	114	1.0	0.45	ug/l	
95-47-6	o-Xylene	65.0	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	179	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%	111%	76-122%

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> MW-11-20150303		<b>Date Sampled:</b> 03/03/15
<b>Lab Sample ID:</b> JB89425-7		<b>Date Received:</b> 03/06/15
<b>Matrix:</b> AQ - Ground Water		<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		

**VOA Full List + Oxygenates**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	108%	106%	71-124%
2037-26-5	Toluene-D8	109%	108%	78-121%
460-00-4	4-Bromofluorobenzene	108%	108%	77-120%

(a) Result is from Run# 2

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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

37  
3

Client Sample ID: MW-11-20150303		Date Sampled: 03/03/15
Lab Sample ID: JB89425-7		Date Received: 03/06/15
Matrix: AQ - Ground Water		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	UV22278.D	1	03/09/15	WO	n/a	n/a	GUV4866
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.14	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	103%		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

37  
3

Client Sample ID:	MW-11-20150303	
Lab Sample ID:	JB89425-7	Date Sampled: 03/03/15
Matrix:	AQ - Ground Water	Date Received: 03/06/15
Method:	SW846 8015C SW846 3510C	Percent Solids: n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y68383.D	1	03/10/15	JM	03/09/15	OP82204	G2Y2626
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	91%		36-144%		
16416-32-3	Tetracosane-d50	90%		32-138%		
438-22-2	5a-Androstane	92%		31-136%		

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

## Report of Analysis

Client Sample ID:	MW-15D-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-8	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142513.D	1	03/10/15	BK	n/a	n/a	V2D5978
Run #2							

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

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	3.0	10	2.6	ug/l	J
71-43-2	Benzene	ND	0.50	0.21	ug/l	
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	ND	2.0	0.20	ug/l	
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

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:	MW-15D-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-8	Date Received:	03/06/15
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.24	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.28	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.40	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.29	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.26	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.47	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.1	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.45	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.81	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.31	ug/l	
100-42-5	Styrene	ND	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	4.7	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.27	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.26	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.32	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.25	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.98	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.17	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.17	ug/l	
	m,p-Xylene	ND	1.0	0.45	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		76-122%

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> MW-15D-20150304	
<b>Lab Sample ID:</b> JB89425-8	<b>Date Sampled:</b> 03/04/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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	108%		71-124%
2037-26-5	Toluene-D8	107%		78-121%
460-00-4	4-Bromofluorobenzene	109%		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

Client Sample ID:	MW-15D-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-8	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	UV22279.D	1	03/09/15	WO	n/a	n/a	GUV4866
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	103%		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

Client Sample ID:	MW-15D-20150304	
Lab Sample ID:	JB89425-8	Date Sampled: 03/04/15
Matrix:	AQ - Ground Water	Date Received: 03/06/15
Method:	SW846 8015C SW846 3510C	Percent Solids: n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Y68384.D	1	03/10/15	JM	03/09/15	OP82204	G2Y2626
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	89%		36-144%		
16416-32-3	Tetracosane-d50	89%		32-138%		
438-22-2	5a-Androstane	91%		31-136%		

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

## Report of Analysis

Client Sample ID:	MW-15S-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-9	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142514.D	1	03/10/15	BK	n/a	n/a	V2D5978
Run #2							

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

## 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	ND	0.50	0.21	ug/l	
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	ND	2.0	0.20	ug/l	
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

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:	MW-15S-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-9	Date Received:	03/06/15
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.24	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.28	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.40	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.29	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.26	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.47	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.1	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.45	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.81	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.31	ug/l	
100-42-5	Styrene	ND	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	4.7	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.27	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.26	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.32	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.25	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.98	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.17	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.17	ug/l	
	m,p-Xylene	ND	1.0	0.45	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		76-122%

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> MW-15S-20150304		<b>Date Sampled:</b> 03/04/15
<b>Lab Sample ID:</b> JB89425-9		<b>Date Received:</b> 03/06/15
<b>Matrix:</b> AQ - Ground Water		<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		

**VOA Full List + Oxygenates**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		71-124%
2037-26-5	Toluene-D8	107%		78-121%
460-00-4	4-Bromofluorobenzene	110%		77-120%

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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

3.9  
3

<b>Client Sample ID:</b> MW-15S-20150304	<b>Date Sampled:</b> 03/04/15
<b>Lab Sample ID:</b> JB89425-9	<b>Date Received:</b> 03/06/15
<b>Matrix:</b> AQ - Ground Water	<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	UV22280.D	1	03/09/15	WO	n/a	n/a	GUV4866
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	104%		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

3.9  
3

<b>Client Sample ID:</b> MW-15S-20150304	<b>Date Sampled:</b> 03/04/15
<b>Lab Sample ID:</b> JB89425-9	<b>Date Received:</b> 03/06/15
<b>Matrix:</b> AQ - Ground Water	<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	2Z46512.D	1	03/09/15	JM	03/09/15	OP82204	G2Z1736
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	85%		36-144%		
16416-32-3	Tetracosane-d50	89%		32-138%		
438-22-2	5a-Androstane	85%		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:	MW-8-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-10	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142515.D	1	03/10/15	BK	n/a	n/a	V2D5978
Run #2							

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

## 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	ND	0.50	0.21	ug/l	
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	ND	2.0	0.20	ug/l	
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

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:	MW-8-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-10	Date Received:	03/06/15
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.24	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.28	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.40	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.29	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.26	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.47	ug/l	
1634-04-4	Methyl Tert Butyl Ether	21.0	1.0	0.26	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.1	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.45	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.81	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.31	ug/l	
100-42-5	Styrene	ND	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	4.7	ug/l	
994-05-8	tert-Amyl Methyl Ether	0.83	2.0	0.27	ug/l	J
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.26	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.32	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.25	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.98	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.17	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.17	ug/l	
	m,p-Xylene	ND	1.0	0.45	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		76-122%

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> MW-8-20150304	
<b>Lab Sample ID:</b> JB89425-10	<b>Date Sampled:</b> 03/04/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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	106%		71-124%
2037-26-5	Toluene-D8	110%		78-121%
460-00-4	4-Bromofluorobenzene	110%		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

<b>Client Sample ID:</b> MW-8-20150304	
<b>Lab Sample ID:</b> JB89425-10	<b>Date Sampled:</b> 03/04/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV22281.D	1	03/09/15	WO	n/a	n/a	GUV4866
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	102%		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

Client Sample ID:	MW-8-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-10	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2Z46513.D	1	03/09/15	JM	03/09/15	OP82204	G2Z1736
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	84%		36-144%		
16416-32-3	Tetracosane-d50	94%		32-138%		
438-22-2	5a-Androstane	89%		31-136%		

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



## Report of Analysis

Client Sample ID:	MW-7-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-11	Date Received:	03/06/15
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	4.0	0.95	ug/l	
594-20-7	2,2-Dichloropropane	ND	4.0	1.2	ug/l	
563-58-6	1,1-Dichloropropene	ND	4.0	0.82	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	4.0	1.1	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	4.0	1.3	ug/l	
100-41-4	Ethylbenzene	469	4.0	1.6	ug/l	
87-68-3	Hexachlorobutadiene	ND	8.0	1.2	ug/l	
98-82-8	Isopropylbenzene	37.1	4.0	1.0	ug/l	
99-87-6	p-Isopropyltoluene	8.8	8.0	1.9	ug/l	
1634-04-4	Methyl Tert Butyl Ether	95.5	4.0	1.1	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	5.7	20	4.2	ug/l	J
74-95-3	Methylene bromide	ND	4.0	1.8	ug/l	
75-09-2	Methylene chloride	ND	8.0	3.3	ug/l	
91-20-3	Naphthalene	261	20	1.4	ug/l	
103-65-1	n-Propylbenzene	56.1	8.0	1.2	ug/l	
100-42-5	Styrene	ND	4.0	1.0	ug/l	
75-65-0	Tert Butyl Alcohol	776	40	19	ug/l	
994-05-8	tert-Amyl Methyl Ether	6.3	8.0	1.1	ug/l	J
637-92-3	tert-Butyl Ethyl Ether	ND	8.0	0.82	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.0	0.74	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.0	1.6	ug/l	
127-18-4	Tetrachloroethene	ND	4.0	1.4	ug/l	
108-88-3	Toluene	58.1	4.0	0.88	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	4.0	1.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.0	0.90	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	4.0	1.3	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	4.0	1.1	ug/l	
79-01-6	Trichloroethene	ND	4.0	0.99	ug/l	
75-69-4	Trichlorofluoromethane	ND	8.0	1.1	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	8.0	3.9	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1390 <sup>a</sup>	100	9.3	ug/l	
108-67-8	1,3,5-Trimethylbenzene	171	8.0	0.70	ug/l	
75-01-4	Vinyl chloride	ND	4.0	0.70	ug/l	
	m,p-Xylene	687	4.0	1.8	ug/l	
95-47-6	o-Xylene	183	4.0	0.80	ug/l	
1330-20-7	Xylene (total)	870	4.0	0.80	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%	112%	76-122%

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> MW-7-20150304		<b>Date Sampled:</b> 03/04/15
<b>Lab Sample ID:</b> JB89425-11		<b>Date Received:</b> 03/06/15
<b>Matrix:</b> AQ - Ground Water		<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		

**VOA Full List + Oxygenates**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%	108%	71-124%
2037-26-5	Toluene-D8	107%	108%	78-121%
460-00-4	4-Bromofluorobenzene	111%	108%	77-120%

(a) Result is from Run# 2

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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> MW-7-20150304		
<b>Lab Sample ID:</b> JB89425-11		<b>Date Sampled:</b> 03/04/15
<b>Matrix:</b> AQ - Ground Water		<b>Date Received:</b> 03/06/15
<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		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV22282.D	1	03/09/15	WO	n/a	n/a	GUV4866
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	8.92	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	102%		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

Client Sample ID:	MW-7-20150304	
Lab Sample ID:	JB89425-11	Date Sampled: 03/04/15
Matrix:	AQ - Ground Water	Date Received: 03/06/15
Method:	SW846 8015C SW846 3510C	Percent Solids: n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z46514.D	1	03/09/15	JM	03/09/15	OP82204	G2Z1736
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)	8.42	0.083	0.080	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	96%		36-144%		
16416-32-3	Tetracosane-d50	109%		32-138%		
438-22-2	5a-Androstane	98%		31-136%		

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



## Report of Analysis

Client Sample ID:	RW-10-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-12	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142516.D	1	03/10/15	BK	n/a	n/a	V2D5978
Run #2							

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

## 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	ND	0.50	0.21	ug/l	
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	ND	2.0	0.20	ug/l	
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

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> RW-10-20150304		<b>Date Sampled:</b> 03/04/15
<b>Lab Sample ID:</b> JB89425-12		<b>Date Received:</b> 03/06/15
<b>Matrix:</b> AQ - Ground Water		<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		

**VOA Full List + Oxygenates**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	109%		71-124%
2037-26-5	Toluene-D8	109%		78-121%
460-00-4	4-Bromofluorobenzene	109%		77-120%

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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

<b>Client Sample ID:</b> RW-10-20150304	<b>Date Sampled:</b> 03/04/15
<b>Lab Sample ID:</b> JB89425-12	<b>Date Received:</b> 03/06/15
<b>Matrix:</b> AQ - Ground Water	<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	UV22283.D	1	03/09/15	WO	n/a	n/a	GUV4866
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	104%		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

<b>Client Sample ID:</b> RW-10-20150304		
<b>Lab Sample ID:</b> JB89425-12		<b>Date Sampled:</b> 03/04/15
<b>Matrix:</b> AQ - Ground Water		<b>Date Received:</b> 03/06/15
<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		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z46515.D	1	03/09/15	JM	03/09/15	OP82204	G2Z1736
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)	0.439	0.083	0.080	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	90%		36-144%		
16416-32-3	Tetracosane-d50	101%		32-138%		
438-22-2	5a-Androstane	93%		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:	RW-12-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-13	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142531.D	1	03/10/15	BK	n/a	n/a	V2D5979
Run #2							

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

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	3.8	10	2.6	ug/l	J
71-43-2	Benzene	ND	0.50	0.21	ug/l	
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	ND	2.0	0.20	ug/l	
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

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:	RW-12-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-13	Date Received:	03/06/15
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.24	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.28	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.40	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.29	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.26	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.47	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.1	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.45	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.81	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.31	ug/l	
100-42-5	Styrene	ND	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	7.0	10	4.7	ug/l	J
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.27	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.26	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.32	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.25	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.98	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.17	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.17	ug/l	
	m,p-Xylene	ND	1.0	0.45	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		76-122%

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> RW-12-20150304	
<b>Lab Sample ID:</b> JB89425-13	<b>Date Sampled:</b> 03/04/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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	108%		71-124%
2037-26-5	Toluene-D8	107%		78-121%
460-00-4	4-Bromofluorobenzene	108%		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

Client Sample ID:	RW-12-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-13	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	UV22284.D	1	03/09/15	WO	n/a	n/a	GUV4866
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	102%		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

<b>Client Sample ID:</b> RW-12-20150304		
<b>Lab Sample ID:</b> JB89425-13		<b>Date Sampled:</b> 03/04/15
<b>Matrix:</b> AQ - Ground Water		<b>Date Received:</b> 03/06/15
<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		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z46516.D	1	03/09/15	JM	03/09/15	OP82204	G2Z1736
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)	0.453	0.083	0.080	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	84%		36-144%		
16416-32-3	Tetracosane-d50	92%		32-138%		
438-22-2	5a-Androstane	83%		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:	RW-20-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-14	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142490.D	1	03/09/15	BK	n/a	n/a	V2D5977
Run #2	2D142524.D	10	03/10/15	BK	n/a	n/a	V2D5979

Run #	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	8.0	0.50	0.21	ug/l	
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	0.43	2.0	0.18	ug/l	J
135-98-8	sec-Butylbenzene	1.3	2.0	0.47	ug/l	J
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	8.6	2.0	0.20	ug/l	
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

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:	RW-20-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-14	Date Received:	03/06/15
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.24	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.28	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.32	ug/l	
100-41-4	Ethylbenzene	34.4	1.0	0.40	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.29	ug/l	
98-82-8	Isopropylbenzene	4.4	1.0	0.26	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.47	ug/l	
1634-04-4	Methyl Tert Butyl Ether	57.7	1.0	0.26	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.1	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.45	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.81	ug/l	
91-20-3	Naphthalene	3.7	5.0	0.34	ug/l	J
103-65-1	n-Propylbenzene	6.9	2.0	0.31	ug/l	
100-42-5	Styrene	ND	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	2420 <sup>a</sup>	100	47	ug/l	
994-05-8	tert-Amyl Methyl Ether	3.8	2.0	0.27	ug/l	
637-92-3	tert-Butyl Ethyl Ether	0.92	2.0	0.21	ug/l	J
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.35	ug/l	
108-88-3	Toluene	0.99	1.0	0.22	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.26	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.32	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.25	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.98	ug/l	
95-63-6	1,2,4-Trimethylbenzene	6.3	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.35	2.0	0.17	ug/l	J
75-01-4	Vinyl chloride	ND	1.0	0.17	ug/l	
	m,p-Xylene	7.1	1.0	0.45	ug/l	
95-47-6	o-Xylene	18.0	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	25.1	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%	112%	76-122%

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> RW-20-20150304	
<b>Lab Sample ID:</b> JB89425-14	<b>Date Sampled:</b> 03/04/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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%	107%	71-124%
2037-26-5	Toluene-D8	107%	107%	78-121%
460-00-4	4-Bromofluorobenzene	108%	108%	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

Client Sample ID:	RW-20-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-14	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	UV22287.D	1	03/09/15	WO	n/a	n/a	GUV4866
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.500	0.20	0.038	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	101%		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

Client Sample ID:	RW-20-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-14	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2Z46517.D	1	03/09/15	JM	03/09/15	OP82204	G2Z1736
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)	1.11	0.083	0.080	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	93%		36-144%		
16416-32-3	Tetracosane-d50	106%		32-138%		
438-22-2	5a-Androstane	96%		31-136%		

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

## Report of Analysis

Client Sample ID:	RW-18-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-15	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142491.D	1	03/09/15	BK	n/a	n/a	V2D5977
Run #2							

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

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	11.1	10	2.6	ug/l	
71-43-2	Benzene	ND	0.50	0.21	ug/l	
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	ND	2.0	0.20	ug/l	
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

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:	RW-18-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-15	Date Received:	03/06/15
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.24	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.28	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.40	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.29	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.26	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.47	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.1	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.45	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.81	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.31	ug/l	
100-42-5	Styrene	ND	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	4.7	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.27	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.26	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.32	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.25	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.98	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.17	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.17	ug/l	
	m,p-Xylene	ND	1.0	0.45	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		76-122%

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> RW-18-20150304	
<b>Lab Sample ID:</b> JB89425-15	<b>Date Sampled:</b> 03/04/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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%		71-124%
2037-26-5	Toluene-D8	107%		78-121%
460-00-4	4-Bromofluorobenzene	109%		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

<b>Client Sample ID:</b> RW-18-20150304	
<b>Lab Sample ID:</b> JB89425-15	<b>Date Sampled:</b> 03/04/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV22288.D	1	03/09/15	WO	n/a	n/a	GUV4866
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	102%		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

Client Sample ID:	RW-18-20150304	
Lab Sample ID:	JB89425-15	Date Sampled: 03/04/15
Matrix:	AQ - Ground Water	Date Received: 03/06/15
Method:	SW846 8015C SW846 3510C	Percent Solids: n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z46518.D	1	03/09/15	JM	03/09/15	OP82204	G2Z1736
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	82%		36-144%		
16416-32-3	Tetracosane-d50	78%		32-138%		
438-22-2	5a-Androstane	72%		31-136%		

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

## Report of Analysis

Client Sample ID:	FB-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-16	Date Received:	03/06/15
Matrix:	AQ - Field Blank Water	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	2D142502.D	1	03/10/15	BK	n/a	n/a	V2D5978
Run #2							

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

## 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	ND	0.50	0.21	ug/l	
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	ND	2.0	0.20	ug/l	
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

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:	FB-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-16	Date Received:	03/06/15
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.24	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.28	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.40	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.29	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.26	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.47	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.1	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.45	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.81	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.31	ug/l	
100-42-5	Styrene	ND	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	4.7	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.27	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.26	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.32	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.25	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.98	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.17	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.17	ug/l	
	m,p-Xylene	ND	1.0	0.45	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		76-122%

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> FB-20150304		<b>Date Sampled:</b> 03/04/15
<b>Lab Sample ID:</b> JB89425-16		<b>Date Received:</b> 03/06/15
<b>Matrix:</b> AQ - Field Blank Water		<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		

**VOA Full List + Oxygenates**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	107%		71-124%
2037-26-5	Toluene-D8	109%		78-121%
460-00-4	4-Bromofluorobenzene	110%		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

Client Sample ID:	MW-19-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-17	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142492.D	1	03/09/15	BK	n/a	n/a	V2D5977
Run #2							

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

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	14.2	10	2.6	ug/l	
71-43-2	Benzene	ND	0.50	0.21	ug/l	
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	ND	2.0	0.20	ug/l	
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

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:	MW-19-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-17	Date Received:	03/06/15
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.24	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.28	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.40	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.29	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.26	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.47	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.1	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.45	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.81	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.31	ug/l	
100-42-5	Styrene	ND	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	4.7	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.27	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.26	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.32	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.25	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.98	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.17	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.17	ug/l	
	m,p-Xylene	ND	1.0	0.45	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		76-122%

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> MW-19-20150304	
<b>Lab Sample ID:</b> JB89425-17	<b>Date Sampled:</b> 03/04/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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%		71-124%
2037-26-5	Toluene-D8	108%		78-121%
460-00-4	4-Bromofluorobenzene	109%		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

<b>Client Sample ID:</b> MW-19-20150304	<b>Date Sampled:</b> 03/04/15
<b>Lab Sample ID:</b> JB89425-17	<b>Date Received:</b> 03/06/15
<b>Matrix:</b> AQ - Ground Water	<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	UV22289.D	1	03/09/15	WO	n/a	n/a	GUV4866
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	102%		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

<b>Client Sample ID:</b> MW-19-20150304	<b>Date Sampled:</b> 03/04/15
<b>Lab Sample ID:</b> JB89425-17	<b>Date Received:</b> 03/06/15
<b>Matrix:</b> AQ - Ground Water	<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	2Z46521.D	1	03/09/15	JM	03/09/15	OP82204	G2Z1736
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)	1.49	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	95%		32-138%		
438-22-2	5a-Androstane	86%		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:	RW-17-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-18	Date Received:	03/06/15
Matrix:	AQ - Ground Water	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	2D142493.D	1	03/09/15	BK	n/a	n/a	V2D5977
Run #2							

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

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	22.8	10	2.6	ug/l	
71-43-2	Benzene	ND	0.50	0.21	ug/l	
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	ND	2.0	0.20	ug/l	
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

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:	RW-17-20150304	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-18	Date Received:	03/06/15
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.24	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.28	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.40	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.29	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.26	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.47	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	2.6	5.0	1.1	ug/l	J
74-95-3	Methylene bromide	ND	1.0	0.45	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.81	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.31	ug/l	
100-42-5	Styrene	ND	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	12.1	10	4.7	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.27	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.26	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.32	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.25	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.98	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.41	2.0	0.19	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.17	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.17	ug/l	
	m,p-Xylene	ND	1.0	0.45	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		76-122%

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> RW-17-20150304	
<b>Lab Sample ID:</b> JB89425-18	<b>Date Sampled:</b> 03/04/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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	108%		71-124%
2037-26-5	Toluene-D8	110%		78-121%
460-00-4	4-Bromofluorobenzene	112%		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

Client Sample ID:	RW-17-20150304	
Lab Sample ID:	JB89425-18	Date Sampled: 03/04/15
Matrix:	AQ - Ground Water	Date Received: 03/06/15
Method:	SW846 8015C	Percent Solids: n/a
Project:	BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV22290.D	1	03/09/15	WO	n/a	n/a	GUV4866
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	101%		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

<b>Client Sample ID:</b> RW-17-20150304	
<b>Lab Sample ID:</b> JB89425-18	<b>Date Sampled:</b> 03/04/15
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 03/06/15
<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	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Z46522.D	1	03/10/15	JM	03/09/15	OP82204	G2Z1736
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)	2.61	0.083	0.080	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	88%		36-144%		
16416-32-3	Tetracosane-d50	92%		32-138%		
438-22-2	5a-Androstane	84%		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:	TB	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-19	Date Received:	03/06/15
Matrix:	AQ - Trip Blank Water	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	2D142503.D	1	03/10/15	BK	n/a	n/a	V2D5978
Run #2							

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

## 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	ND	0.50	0.21	ug/l	
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	ND	2.0	0.20	ug/l	
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

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:	TB	Date Sampled:	03/04/15
Lab Sample ID:	JB89425-19	Date Received:	03/06/15
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: BCNJCH:PC# 007805 Bel Air Xtra Fuels, 2476 Churchville Road, Bel Air, MD	

## VOA Full List + Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	1.0	0.24	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.30	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.21	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.28	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.32	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.40	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.29	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.26	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.47	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.1	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.45	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.81	ug/l	
91-20-3	Naphthalene	ND	5.0	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.31	ug/l	
100-42-5	Styrene	ND	1.0	0.26	ug/l	
75-65-0	Tert Butyl Alcohol	ND	10	4.7	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	0.27	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.35	ug/l	
108-88-3	Toluene	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.26	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.32	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.25	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.28	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.98	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.17	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.17	ug/l	
	m,p-Xylene	ND	1.0	0.45	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		76-122%

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> TB		
<b>Lab Sample ID:</b> JB89425-19		<b>Date Sampled:</b> 03/04/15
<b>Matrix:</b> AQ - Trip Blank Water		<b>Date Received:</b> 03/06/15
<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%		71-124%
2037-26-5	Toluene-D8	108%		78-121%
460-00-4	4-Bromofluorobenzene	109%		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

## 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:** JB89425      **Client:** DRAKE PETROLEUM      **Project:** BEL AIR XTRA FUELS  
**Date / Time Received:** 3/6/2015 4:20:00 PM      **Delivery Method:** Accutest Courier      **Airbill #s:**

**Cooler Temps (Initial/Adjusted):** #1: (2.8/2.5); #2: (3.7/3.4); 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			2

<u>Quality Control Preservation</u>	<u>Y</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input checked="" type="checkbox"/>	<input 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>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 -18 ID on label is "RW-17-20150304" not "MW-17-20150304" Date and time ok

4.1  
4





## Sample Receipt Summary - Problem Resolution

Accutest Job Number: JB89425

Initiator: ANDREWS

CSR: VP

Response Date: 3/9/2015

Response: Please use ID on the label "RW-17-20150304" per Elizabeth Miller.

4.1

4

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**JB89425: Chain of Custody**  
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