

Summit Scientific

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November 15, 2012

Aimee Cole
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: BC - Praxair Assessment

Enclosed are the results of analyses for samples received by Summit Scientific on 11/08/12 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury For Ben Shrewsbury
President / Laboratory Manager



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: BC - Praxair Assessment

Project Number: 0345-12007
Project Manager: Aimee Cole

Reported:
11/15/12 15:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R211057-01	Water	11/07/12 12:20	11/08/12 16:00
MW02	R211057-02	Water	11/07/12 12:30	11/08/12 16:00
MW04	R211057-03	Water	11/07/12 12:40	11/08/12 16:00
MW05	R211057-04	Water	11/07/12 12:45	11/08/12 16:00
MW06	R211057-05	Water	11/07/12 12:50	11/08/12 16:00
MW07	R211057-06	Water	11/07/12 12:55	11/08/12 16:00
MW09	R211057-07	Water	11/07/12 13:05	11/08/12 16:00
MW10	R211057-08	Water	11/07/12 13:10	11/08/12 16:00
MW13	R211057-09	Water	11/07/12 13:25	11/08/12 16:00
MW14	R211057-10	Water	11/07/12 13:30	11/08/12 16:00
MW15	R211057-11	Water	11/07/12 13:35	11/08/12 16:00
MW16	R211057-12	Water	11/07/12 13:40	11/08/12 16:00
MW12	R211057-13	Water	11/07/12 13:20	11/08/12 16:00
MW11	R211057-14	Water	11/07/12 13:15	11/08/12 16:00

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LT Environmental, Inc.
 4600 West 60th Avenue
 Arvada CO, 80003

Project: BC - Praxair Assessment

Project Number: 0345-12007
 Project Manager: Aimee Cole

Reported:
 11/15/12 15:57

MW01
R211057-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/07/12 12:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	810	100	ug/l	100	2111002	11/10/12	11/10/12	EPA 8260B	
Toluene	ND	1.0	"	1	"	"	"	"	
Ethylbenzene	160	1.0	"	"	"	"	"	"	
Xylenes (total)	910	100	"	100	"	"	"	"	

Date Sampled: 11/07/12 12:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.7 %	49.7-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		134 %	51-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.6 %	50.1-150		"	"	"	"	

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Reported:
 11/15/12 15:57

MW02
R211057-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/07/12 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	2400	100	ug/l	100	2111002	11/10/12	11/11/12	EPA 8260B	
Toluene	ND	1.0	"	1	"	"	"	"	
Ethylbenzene	700	100	"	100	"	"	"	"	
Xylenes (total)	5400	100	"	"	"	"	"	"	

Date Sampled: 11/07/12 12:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		71.0 %	49.7-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		136 %	51-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		84.8 %	50.1-150		"	"	"	"	

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Project: BC - Praxair Assessment

Project Number: 0345-12007
 Project Manager: Aimee Cole

Reported:
 11/15/12 15:57

MW04
R211057-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/07/12 12:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	2.5	1.0	ug/l	1	2111002	11/10/12	11/11/12	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	62	1.0	"	"	"	"	"	"	
Xylenes (total)	60	1.0	"	"	"	"	"	"	

Date Sampled: 11/07/12 12:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		83.5 %	49.7-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	51-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %	50.1-150		"	"	"	"	

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Reported:
 11/15/12 15:57

MW05
R211057-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/07/12 12:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2111002	11/10/12	11/11/12	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 11/07/12 12:45

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		84.9 %	49.7-150		"	"	"	"	
Surrogate: Toluene-d8		98.5 %	51-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	50.1-150		"	"	"	"	

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Reported:
 11/15/12 15:57

MW06
R211057-05 (Water)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/07/12 12:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	9.8	1.0	ug/l	1	2111002	11/10/12	11/11/12	EPA 8260B	
Toluene	1.6	1.0	"	"	"	"	"	"	
Ethylbenzene	200	1.0	"	"	"	"	"	"	
Xylenes (total)	540	1.0	"	"	"	"	"	"	

Date Sampled: 11/07/12 12:50

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		74.2 %	49.7-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		120 %	51-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.0 %	50.1-150		"	"	"	"	

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Reported:
 11/15/12 15:57

MW07
R211057-06 (Water)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/07/12 12:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	2.0	1.0	ug/l	1	2111002	11/10/12	11/11/12	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	1.2	1.0	"	"	"	"	"	"	
Xylenes (total)	8.7	1.0	"	"	"	"	"	"	

Date Sampled: 11/07/12 12:55

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.7 %	49.7-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	51-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.5 %	50.1-150		"	"	"	"	

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Reported:
 11/15/12 15:57

MW09
R211057-07 (Water)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/07/12 13:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	4100	100	ug/l	100	2111002	11/10/12	11/11/12	EPA 8260B	
Toluene	4600	100	"	"	"	"	"	"	
Ethylbenzene	430	100	"	"	"	"	"	"	
Xylenes (total)	3500	100	"	"	"	"	"	"	

Date Sampled: 11/07/12 13:05

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.1 %	49.7-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.6 %	51-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.3 %	50.1-150		"	"	"	"	

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Reported:
 11/15/12 15:57

MW10
R211057-08 (Water)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/07/12 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	120	1.0	ug/l	1	2111002	11/10/12	11/11/12	EPA 8260B	
Toluene	5.2	1.0	"	"	"	"	"	"	
Ethylbenzene	5.1	1.0	"	"	"	"	"	"	
Xylenes (total)	30	1.0	"	"	"	"	"	"	

Date Sampled: 11/07/12 13:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	49.7-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	51-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.0 %	50.1-150		"	"	"	"	

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Reported:
 11/15/12 15:57

MW13
R211057-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/07/12 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2111002	11/10/12	11/11/12	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 11/07/12 13:25

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		86.6 %	49.7-150		"	"	"	"	
Surrogate: Toluene-d8		97.7 %	51-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.2 %	50.1-150		"	"	"	"	

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Reported:
 11/15/12 15:57

MW14
R211057-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/07/12 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	1.1	1.0	ug/l	1	2111002	11/10/12	11/11/12	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 11/07/12 13:30

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		83.4 %	49.7-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.0 %	51-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.2 %	50.1-150		"	"	"	"	

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Reported:
 11/15/12 15:57

MW15
R211057-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/07/12 13:35

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	16	1.0	ug/l	1	2111002	11/10/12	11/11/12	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 11/07/12 13:35

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	49.7-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.5 %	51-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.1 %	50.1-150		"	"	"	"	

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Reported:
 11/15/12 15:57

MW16
R211057-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/07/12 13:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	2.9	1.0	ug/l	1	2111002	11/10/12	11/11/12	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 11/07/12 13:40

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.6 %	49.7-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.8 %	51-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.8 %	50.1-150		"	"	"	"	

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Reported:
 11/15/12 15:57

MW12
R211057-13 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/07/12 13:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2111002	11/10/12	11/11/12	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 11/07/12 13:20

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		87.5 %	49.7-150		"	"	"	"	
Surrogate: Toluene-d8		96.5 %	51-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.8 %	50.1-150		"	"	"	"	

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Reported:
 11/15/12 15:57

MW11
R211057-14 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 11/07/12 13:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2111002	11/10/12	11/11/12	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: 11/07/12 13:15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		85.1 %	49.7-150		"	"	"	"	
Surrogate: Toluene-d8		98.3 %	51-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	50.1-150		"	"	"	"	

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Reported:
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike Level	Source		%REC		RPD		Notes
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch 2111002 - EPA 5030 Water MS

Blank (2111002-BLK1)

Prepared: 11/10/12 Analyzed: 11/12/12

Benzene	ND	1.0	ug/l								
Toluene	ND	1.0	"								
Ethylbenzene	ND	1.0	"								
Xylenes (total)	ND	1.0	"								
Surrogate: 1,2-Dichloroethane-d4	10.6		"	13.2	80.4	49.7-150					
Surrogate: Toluene-d8	12.9		"	13.3	96.5	51-150					
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3	98.8	50.1-150					

LCS (2111002-BS1)

Prepared: 11/10/12 Analyzed: 11/12/12

Benzene	24.8	1.0	ug/l	33.3	74.5	51-132					
Toluene	27.0	1.0	"	33.3	80.9	51-138					
Ethylbenzene	30.1	1.0	"	33.3	90.2	58-146					
m,p-Xylene	63.7	2.0	"	66.7	95.5	57-144					
o-Xylene	30.1	1.0	"	33.3	90.2	53-146					
Surrogate: 1,2-Dichloroethane-d4	10.5		"	13.2	79.3	49.7-150					
Surrogate: Toluene-d8	12.8		"	13.3	96.2	51-150					
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3	96.7	50.1-150					

LCS Dup (2111002-BSD1)

Prepared: 11/10/12 Analyzed: 11/12/12

Benzene	23.5	1.0	ug/l	33.3	70.4	51-132	5.63	17			
Toluene	25.7	1.0	"	33.3	77.0	51-138	4.90	17			
Ethylbenzene	28.9	1.0	"	33.3	86.8	58-146	3.86	16			
m,p-Xylene	60.8	2.0	"	66.7	91.2	57-144	4.60	16			
o-Xylene	28.7	1.0	"	33.3	86.1	53-146	4.66	15			
Surrogate: 1,2-Dichloroethane-d4	10.4		"	13.2	78.7	49.7-150					
Surrogate: Toluene-d8	13.1		"	13.3	98.0	51-150					
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3	97.3	50.1-150					

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Reported:
11/15/12 15:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 2111002 - EPA 5030 Water MS

Matrix Spike (2111002-MS1)	Source: R211057-10			Prepared: 11/10/12		Analyzed: 11/12/12	
Benzene	28.3	1.0	ug/l	33.3	1.07	81.8	34-141
Toluene	30.7	1.0	"	33.3	ND	92.2	27-151
Ethylbenzene	34.4	1.0	"	33.3	ND	103	29-160
m,p-Xylene	72.3	2.0	"	66.7	ND	108	20-166
o-Xylene	34.7	1.0	"	33.3	ND	104	33-159
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.6</i>		<i>"</i>	<i>13.2</i>		<i>79.7</i>	<i>49.7-150</i>
<i>Surrogate: Toluene-d8</i>	<i>12.8</i>		<i>"</i>	<i>13.3</i>		<i>96.2</i>	<i>51-150</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.0</i>		<i>"</i>	<i>13.3</i>		<i>97.3</i>	<i>50.1-150</i>

Matrix Spike Dup (2111002-MSD1)	Source: R211057-10			Prepared: 11/10/12		Analyzed: 11/12/12			
Benzene	27.8	1.0	ug/l	33.3	1.07	80.3	34-141	1.75	32
Toluene	29.7	1.0	"	33.3	ND	89.0	27-151	3.54	25
Ethylbenzene	32.5	1.0	"	33.3	ND	97.5	29-160	5.65	50
m,p-Xylene	67.9	2.0	"	66.7	ND	102	20-166	6.25	36
o-Xylene	32.2	1.0	"	33.3	ND	96.8	33-159	7.43	26
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.8</i>		<i>"</i>	<i>13.2</i>		<i>82.0</i>	<i>49.7-150</i>		
<i>Surrogate: Toluene-d8</i>	<i>13.0</i>		<i>"</i>	<i>13.3</i>		<i>97.3</i>	<i>51-150</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>12.9</i>		<i>"</i>	<i>13.3</i>		<i>96.8</i>	<i>50.1-150</i>		

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: BC - Praxair Assessment

Project Number: 0345-12007
Project Manager: Aimee Cole

Reported:
11/15/12 15:57

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Summit Scientific

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