



October 11, 2017

Crown Cleaners
ATTN: Mr. Alan Anderson
5018 EP True Parkway
West Des Moines, IA 50265

RE: Chlorinate Solvents Monitoring – 2017 Quarter 3.

Dear Mr. Anderson:

Impact7G, Inc. (Impact7G) conducted chlorinated solvents monitoring of the Crown Cleaners facility and adjacent restaurant at 5018 EP True Parkway, West Des Moines, IA (Property). Impact7G collected samples to determine exposure levels to chlorinated solvents including: 1,2 Dichloroethane (aka Ethylene dichloride) (DCE), Tetrachloroethylene (aka Perchloroethylene) (PCE), Trichloroethylene (TCE), and Vinylidene Chloride. The monitoring location within the dry cleaning facility was in the boiler room, near the dry cleaning machine. The monitoring location within the adjacent restaurant was in the kitchen area. Personal monitoring pumps were calibrated to a flow rate of 0.013 Liters (L) per minute using a digital TSI 4146 Primary Calibrator. Each location was monitored for approximately 4.0 hours.

TABLE 1 – 2017 Q3 Monitoring Results (ppm)

Constituent	Cleaners Q2-1	Restaurant Q2-2	OSHA PEL	ACGIH TLV
1,2 Dichloroethane (DCE)	<0.106	<0.114	50	10
Tetrachloroethylene (PCE)	<0.315	<0.341	100	25
Trichloroethylene (TCE)	<0.389	<0.431	100	10
Vinylidene Chloride	<0.539	<0.584	--	5

No constituents were detected to be above the laboratory's Reporting limit, or OSHA's Permissible Exposure Limit (PEL) and the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV). Both of these reference values are based on an 8-hour Time Weighted Average (TWA).

Should any questions arise, please feel free to contact Brandon Neilson at 515-473-6256 or bneilson@impact7g.com.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Brandon Neilson', written over a light blue horizontal line.

Brandon Neilson, CIH

Enclosures – Analytical Results



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Cedar Falls

704 Enterprise Drive

Cedar Falls, IA 50613

Tel: (319)277-2401

TestAmerica Job ID: 310-114433-1

Client Project/Site: Crown Cleaners, Q3

For:

Impact7G, Inc

9550 Hickman Road

Suite 105

Clive, Iowa 50325

Attn: Brandon Neilsen



Authorized for release by:

9/25/2017 4:37:01 PM

Brian Graettinger, Manager of Project Management

(319)277-2401

brian.graettinger@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: Impact7G, Inc
Project/Site: Crown Cleaners, Q3

TestAmerica Job ID: 310-114433-1

Job ID: 310-114433-1

Laboratory: TestAmerica Cedar Falls

Narrative

Job Narrative
310-114433-1

Comments

No additional comments.

Receipt

The samples were received on 9/15/2017 6:20 PM in good condition.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Impact7G, Inc
Project/Site: Crown Cleaners, Q3

TestAmerica Job ID: 310-114433-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-114433-1	Q3-01 (drycleaners)	Air	09/14/17 00:00	09/15/17 18:20
310-114433-2	Q3-02 (mexican restaurant)	Air	09/14/17 00:00	09/15/17 18:20
310-114433-3	Q3-Blank	Air	09/14/17 00:00	09/15/17 18:20



September 25, 2017

BRIAN GRAETTINGER
TESTAMERICA ANALYTICAL TESTING CORP
CEDAR FALLS DIVISION
704 ENTERPRISE DRIVE
CEDAR FALLS, IA 50613

Laboratory Workorder ID: V262031

Client Project ID: 310-114433

Received: September 19, 2017

Reported: September 25, 2017

Attached are the results we obtained on the analysis of your samples submitted to Analytics. Any Chains-of-Custody associated by this sample group are enclosed. Air concentrations are calculated as a convenience to the client and the overall accuracy of this result depends on both the accuracy of the air volume and the amount found by analysis. Theoretical air volumes for passive monitors are calculated using the sampling time submitted and the manufacture's listed sampling rate for each compound. Results provided in this report relate only to the items tested.

For blanks and non-detects the results indicated with a '<' value represents the reporting limit for the analysis. Unless otherwise noted results are not corrected for blank values.

Unless the signature of the appropriate manager(s) appears on this report, this report should be considered PRELIMINARY and is subject to change.

We appreciate your confidence in allowing Analytics to be your testing laboratory. Any questions regarding this report can be addressed by calling our customer services department at (800) 888-8061.

Andrew L. Teague, CIH
Technical Director

Enclosures



Analytics Corporation
10329 Stony Run Lane
Ashland, Va 23005
Phone: (804) 365-3000 Fax: (804) 365-3002
AIHA Accreditation # 176, ID 100531

Final Report

Work Order V262031

TESTAMERICA ANALYTICAL TESTING CORP
CEDAR FALLS DIVISION
704 ENTERPRISE DRIVE
CEDAR FALLS, IA 50613

Customer: 14709000
Attention: BRIAN GRAETTINGER
PO Number OR#907136

Date Received: 09/19/17
Client Project ID 310-114433

Lab ID: V262031001 Sample ID: 310-114433-1 Q3-01 DRYCLEANERS Media: Charcoal Tube 50/100mg Sample Date: 9/14/2017 Sampling Time:

Analyte	Method	Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
1,2-Dichloroethane	NIOSH Method 1003	09/21/17	4.68 L	2.0 ug	< 2 ug	ND	< 2 ug	< 0.429 mg/M3 < 0.106 ppm
Tetrachloroethylene	NIOSH Method 1003	09/21/17	4.68 L	10.0 ug	< 10 ug	ND	< 10 ug	< 2.14 mg/M3 < 0.315 ppm
Trichloroethylene	NIOSH Method 1022	09/21/17	4.68 L	10.0 ug	< 10 ug	ND	< 10 ug	< 2.14 mg/M3 < 0.398 ppm
Vinylidene Chloride	NIOSH Method 1015	09/21/17	4.68 L	10.0 ug	< 10 ug	ND	< 10 ug	< 2.14 mg/M3 < 0.539 ppm

Lab ID: V262031002 Sample ID: 310-114433-2 Q3-02 MEXICAN RESTAURANT Media: Charcoal Tube 50/100mg Sample Date: 9/14/2017 Sampling Time:

Analyte	Method	Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
1,2-Dichloroethane	NIOSH Method 1003	09/21/17	4.32 L	2.0 ug	< 2 ug	ND	< 2 ug	< 0.461 mg/M3 < 0.114 ppm
Tetrachloroethylene	NIOSH Method 1003	09/21/17	4.32 L	10.0 ug	< 10 ug	ND	< 10 ug	< 2.31 mg/M3 < 0.341 ppm
Trichloroethylene	NIOSH Method 1022	09/21/17	4.32 L	10.0 ug	< 10 ug	ND	< 10 ug	< 2.32 mg/M3 < 0.431 ppm
Vinylidene Chloride	NIOSH Method 1015	09/21/17	4.32 L	10.0 ug	< 10 ug	ND	< 10 ug	< 2.32 mg/M3 < 0.584 ppm

Lab ID: V262031003 Sample ID: 310-114433-3 Q3-BLANK Media: Charcoal Tube 50/100mg Sample Date: 9/14/2017 Sampling Time:

Analyte	Method	Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
1,2-Dichloroethane	NIOSH Method 1003	09/21/17	0 L	2.0 ug	< 2 ug	ND	< 2 ug	--
Tetrachloroethylene	NIOSH Method 1003	09/21/17	0 L	10.0 ug	< 10 ug	ND	< 10 ug	--

Report ID:: V262031-201709254610

Analysis Report Section - Page 1 of 3



Analytics Corporation
10329 Stony Run Lane
Ashland, Va 23005
Phone: (804) 365-3000 Fax: (804) 365-3002
AIHA Accreditation # 176, ID 100531

Final Report

Work Order V262031

Lab ID: V262031003 Sample ID: 310-114433-3 Q3-BLANK Media: Charcoal Tube 50/100mg Sample Date: 9/14/2017 Sampling Time:

Analyte	Method	Analysis Date	Volume		Reporting Limit	Front	Rear	Total	Concentration
Trichloroethylene	NIOSH Method 1022	09/21/17	0	L	10.0 ug	< 10 ug	ND	< 10 ug	--
Vinylidene Chloride	NIOSH Method 1015	09/21/17	0	L	10.0 ug	< 10 ug	ND	< 10 ug	--



Analytics Corporation
10329 Stony Run Lane
Ashland, Va 23005
Phone: (804) 365-3000 Fax: (804) 365-3002
AIHA Accreditation # 176, ID 100531

Final Report

Work Order V262031

General Laboratory Comments

Abbreviations:

ug = micrograms; mg=milligrams; g = grams, ppm=parts per million (volume), ppb = parts per billion (volume), mg/M3=milligrams per cubic meter of air, ug/M3=micrograms per cubic meter of air; Min=minutes, Qual=Qualifiers

Age Group	Number of People
1	1
2	2
3	3
4	4
5	5
6	6
7	7

Accreditation/Certification and Definitions Summary

Client: Impact7G, Inc
Project/Site: Crown Cleaners, Q3

TestAmerica Job ID: 310-114433-1

Laboratory: TestAmerica Cedar Falls

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
AIHA-LAP, LLC	IHLAP		101044	11-01-18
Georgia	State Program	4	IA100001 (OR)	09-29-17 *
Illinois	NELAP	5	200024	11-29-17
Iowa	State Program	7	007	12-01-17 *
Kansas	NELAP	7	E-10341	01-31-18
Minnesota	NELAP	5	019-999-319	12-31-17
Minnesota (Petrofund)	State Program	1	3349	08-22-17 *
North Dakota	State Program	8	R-186	09-29-17 *
Oregon	NELAP	10	IA100001	09-29-17 *

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Impact7G, Inc
Project/Site: Crown Cleaners, Q3

TestAmerica Job ID: 310-114433-1

Method	Method Description	Protocol	Laboratory
Perchloroethylene , 1,2 Dichloroethane Trichloroethylene	NIOSH 1003	NONE	Analytics
Vinylidene Chloride	NIOSH 1022	NONE	Analytics
	NIOSH 1015	NONE	Analytics

Protocol References:

NONE = NONE

Laboratory References:

Analytics = Analytics Corporation, 10329 Stony Run Lane, Ashland, VA 23005, TEL (800)888-8061



310-114433 Chain of Custody

Fax: (319) 277-2425

www.testamericainc.com

Send Report To: Brandon Neilson

Send Invoice To: 1

Company: Impact 76, Inc.

Address: 4556 Hickman Rd, Suite 105

City, State, Zip: Cline, IA 50035

Phone: (515) 473-6256 Fax: _____ Email Address: bneilson@impact76.com

Page: 1 of 1

Sampler: JH Project Name: Crownclerk - Q3 Project No.: _____ P.O. #: _____

Lab Number (Internal use Only)	Date Sampled	Sample Identification	Media Type (Filter, Tube, Passive Monitor)	Analysis Method(s)/Analytes(s)	Sampling Time (Minutes)	Air Volume (Liters)	Pump ID
	9-14-17	Q3-01 (dry cleaners)	Tube	NIOSH 1003, 1015, 1022	360	4.68	304
	L	Q3-02 (mexican restaurant)		L	360	4.32	303
	L	Q3-Blank		L	0	0	-

Sample Receipt	Reporting/Deliverables	Turn Around Time Requested
Temperature: _____ °C	Hardcopy Results: Yes _____ No _____	Next Day by 6pm _____ 2 Business Days _____
Sample Seals: Yes _____ No _____	E-Mail Results: Yes _____ No _____	3 Business Days _____ 4 Business Days _____
Sample Seals Intact: Yes _____ No _____	EDD: Yes _____ No _____ Type: _____	Standard 7 Business Days _____
Total # of Samples: _____	Data Package: Standard Level II: _____ Level III: _____ Level IV: _____	RUSH Charges Authorized Yes _____ No _____
Subject to scheduling and availability (RUSH surcharges apply)		

Instructions / Special Requirements:

Date	Time	Samples Relinquished By	Received By
9-14-17	4:39	<u>David Hyland</u>	
9/19/17	1820		<u>David Hyland</u>

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

704 Enterprise Drive • Cedar Falls, IA 50613

Tel 319-277-2401 • Fax 319-277-2425

Des Moines



310503

IH Sample Receipt Form

Client: Impact 76 Project: _____

City: Clive IA

Date: 9/15/17 Receiver's Initials: BR Time (Delivered): 1820

COC completed correctly? ☒ Yes ☐ No
(Cite inconsistencies below)

Sample Checklist (Mark non-conformance or acceptance)

<input type="checkbox"/>	Received Broken	<input type="checkbox"/>	Information Missing
<input type="checkbox"/>	Improper Media	<input type="checkbox"/>	Missing Sample
<input type="checkbox"/>	Missing Label	<input type="checkbox"/>	Sample Past Hold Date
<input type="checkbox"/>	Temperature	<input type="checkbox"/>	Extra Sample
<input type="checkbox"/>	COC Discrepancy	<input type="checkbox"/>	Insufficient Sample Volume
<input type="checkbox"/>	Other:		

Couriers

<input checked="" type="checkbox"/>	UPS	<input checked="" type="checkbox"/>	TA Courier
<input type="checkbox"/>	FedEx	<input type="checkbox"/>	Client
<input type="checkbox"/>	FedEx Ground	<input type="checkbox"/>	Other:
<input type="checkbox"/>	USPS	<input type="checkbox"/>	
<input type="checkbox"/>	Spee-Dee	<input type="checkbox"/>	

☒ The samples, as received, are acceptable for analysis

<input checked="" type="checkbox"/>	Samples not received in a cooler
<input checked="" type="checkbox"/>	Temperature not taken

Reviewed by: slr Date: 9/18/17

Comments slr