GONZALEZ
SAGGIO
HARLAN

October 8, 2015

Ms. Nancy Ryan
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King, Jr. Drive
Milwaukee WI, 53212

Re: Pilot Test and Remedial Approval; Former Express Cleaners; 3941 North Main Street, Racine, Wisconsin; BRRTS Number 02-52-547631

Dear Ms. Ryan:

Huntoon Environmental Consulting, LLC ("HEC") has completed the Pilot Test of the Cool-Ox™ treatment product from Deep Earth Technologies, Inc. I enclose HEC's final pilot test report dated October 8, 2015. A pdf is being provided to you via email.

Based on the results of the Pilot Test, HEC has concluded that the Cool-Ox™ treatment product will achieve the desired the cleanup of the site if treatment is performed as proposed in HEC's proposal dated July 21, 2015.

The Ehrlich Family Limited Partnership ("EFLP"), hereby renews its request for your approval of HEC's proposal dated July 21, 2015. Additionally, the EFLP requests your approval timely to allow treatment to begin on October 19, 2015. That date is crucial because the remedial sub-contractor has a window of availability beginning then and if we wait longer, freezing weather may compromise the ability to mix the treatment compound into soil and/or compromise the effectiveness of the treatment compound above the frost level.

Please contact me to discuss this letter and request for approval or to arrange a conference call to discuss the Pilot Test.

Yours Very Truly,

William P. Scott

Enclosure

cc: James C. Small, Ehrlich Family Limited Partnership
Lori Huntoon, Huntoon Environmental Consulting, LLC
Robert Nauta, RJN Environmental Services, LLC

Huntoon Environmental Consulting, LLC

October 8, 2015

Ms. Nancy Ryan
Wisconsin Department of Natural Resources
2300 North Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212

RE: Summary of Cool-Ox ™ Pilot Test Results
Former Express Cleaners
Racine, Wisconsin
BRRTS Number 02-52-547631

Dear Ms. Ryan:

Huntoon Environmental Consulting, LLC (HEC) is pleased to provide this Summary of Pilot Test Results, providing soil concentrations analyzed to date for Cool-Ox™ Pilot Tests conducted at the Former Express Cleaners site in Racine, Wisconsin.

IN-SITU PILOT TEST – JULY 24, 2015

As approved by the Wisconsin Department of Natural Resources (WDNR) by letter dated July 22, 2015, an In-Situ Pilot Test was conducted at the former Express Cleaners site on July 24, 2015 to demonstrate the effectiveness of the recommended remedial treatment of soil and groundwater at the Site prior to full-scale implementation of the remedial action plan.

Cool-Ox™ was applied to a limited portion of the area of contamination consisting of a 5 foot x 6 foot area located immediately outside the back door of the former dry cleaning operation as described in the Interim Report of Soil Remediation Pilot Test dated August 6, 2015. As noted therein, to avoid striking utility and gas lines, the actual in-situ treatment area was moved several feet north of the initially proposed location. This location was selected due to its proximity to boring location B-4, which had the highest tetrachloroethene (PCE) concentration discovered above the water table during the former site investigation.

The pilot test incorporated the same actions as the proposed full scale remedial soil blending option. An area five feet by six feet was accessed using a backhoe and the upper two feet of soil was removed and set aside for replacement.

Upon removal of soil from the upper two feet and placement on plastic laid down within the area of contamination, a pre-treatment soil sample was collected from a random location at a depth of 2.5 feet bls. After excavation of soils to a depth of 5 feet, a pre-treatment soil sample was collected from a random location within the area of the excavation at a depth of 4.5 feet. The two discrete soil samples above were taken from different in-situ locations in the excavation. The soils were not mixed prior to collection of the pre-remediation samples, which is consistent with the request for Pilot Test Change Order dated July 21, 2015.

Following collection of the two pre-treatment soil samples, Cool-Ox reagent was placed in the excavation and mixed with in-situ soils below 5 feet. Upon mixing, the remaining contaminated soil was replaced and mixed with additional reagent. Immediately upon addition of Cool-Ox™, an effervescent foam was observed oozing from the mixed soil.

Upon completion of blending of impacted soils from two to five feet in depth, the overburden material was placed at the surface. As described by the remediation contractor, Deep Earth Technologies, the Cool-Ox™ reaction, which begins immediately upon application, continues to remediate contaminated soils for a period of 60 to 90 days after treatment.

Confirmation soil sampling was conducted as follows:

Confirmation Sample Date	Elapsed Time Post-treatment
07/24/15 (initial)	pre-mixing; pre-treatment
08/07/15	14 days
08/13/15	20 days
08/28/15	35 days
09/22/15	60 days

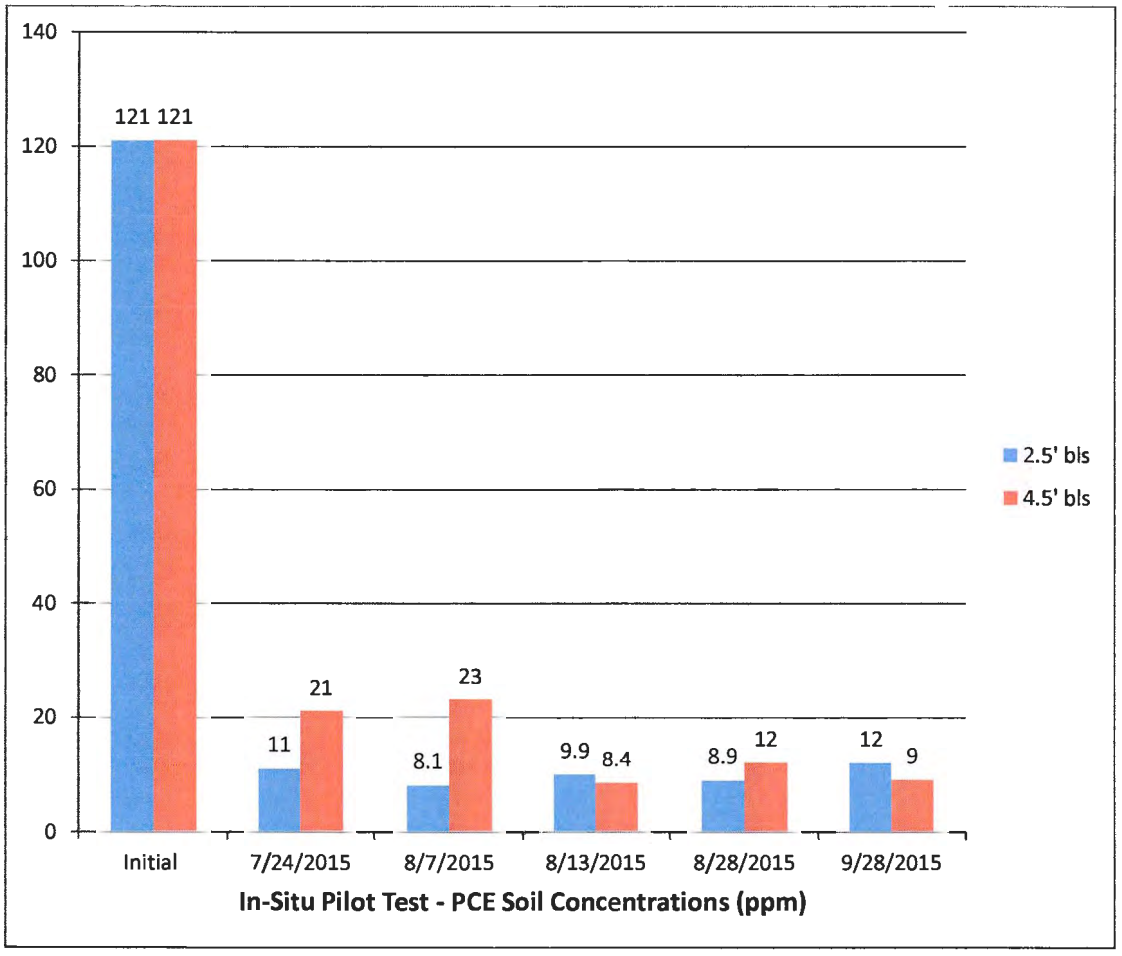
In-Situ Pilot Test Results

The non-residential direct contact residual contaminant level (RCL) for PCE is 30.7 mg/kg, and the proposed RCL target for the Pilot Test is an order of magnitude lower, at 3 mg/kg. The results of confirmation samples collected to date are provided below:

Huntoon Environmental Consulting, LLC - PO Box 259927 Madison, Wisconsin 53725 - 608.886.7245

	Cool-Ox™ In-Situ Pilot Test, Former Express Cleaners Site, Racine, WI			
	CONSTITUENTS DETECTED (ppm)			
	2.5 feet bls		4.5 feet bls	
collection date	PCE	TCE	PCE	TCE
7/24/15 (initial)	11.0	0.05	21.0	0.10
8/07/15	8.1	0.04	23.0	0.09
8/13/15	9.9	0.05	8.4	0.04
8/28/15	8.9	0.03	12.0	0.04
9/28/15	12.0	0.05	9.0	0.04

The In-Situ Pilot Test soil sample results are illustrated below:



Confirmation sample results continue to indicate a downward trend as indicated above, although results have not yet reached the achievement goal of 3 ppm. The higher concentrations detected indicate that soil initially tested within the treatment area likely had lower concentrations than other soil in the test area and mixing after the initial sampling likely blended lesser-contaminated with more-contaminated soil; and/or contaminants moved from the surrounding area to the treatment area after mixing. This is explained below:

- The in-situ pilot test was conducted in one portion of the most contaminated area, as identified in previous site assessments. This area is outside the back door of the former cry cleaner in a location where former operators may have stored waste or discharged waste to the environment. Concentrations of PCE in soil samples previously collected from this area were detected at 121 ppm. It is expected that the initial sample collected before mixing and before treatment with Cool-Ox™ was collected from an isolated area that did not exhibit concentrations as high as surrounding soils. In retrospect, one would not expect a uniform distribution of contaminant in such an area.

- Pilot tests conducted in-situ have limitations when completed adjacent to contaminated materials. Treatment of a limited area of soil within the most heavily contaminated area, as is the situation at the former Express Cleaners site, is directly influenced by residual contamination migrating from surrounding soils through capillary action. Fine grained soils, as were observed during the excavation, are known to create a more extensive capillary fringe than coarse-grained soils. It is likely that contaminants within soils outside the treatment area were drawn into the treatment area by capillary action above the water table.

- Similar to the above, it is likely that as the water table fluctuated from rain events during the test period, contaminants were drawn into the treatment area by dispersion below the elevated water table.

EX-SITU PILOT TEST – SEPTEMBER 14, 2015

To correct for the transport of contaminants into the test area from the surrounding contaminated soils, and for the absence of samples collected post-mixing but pre-treatment, a secondary Pilot Test was performed Ex-Situ to demonstrate the effectiveness of Cool-Ox™ in remediating contaminated soils at the Site without the interference from surrounding contaminated soils. An area of soil (approximately 2 feet wide by 2 feet long and 5 feet deep) was excavated from within the contaminated area and placed into a covered container that was secured and stored within the area of contamination at the site.

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Upon thorough mixing of the soils in the container, a pre-treatment sample was collected for analysis of chlorinated volatile organic compounds (CVOCs), including PCE, trichloroethylene (TCE) and cis-1,2-Dichloroethene (DCE). After the pre-treatment soil sample was collected, the soil was treated with the Cool-Ox™ solution (at the same volume per cubic yard as the initial pilot test) and a confirmation sample was collected for analysis of CVOCs immediately after treatment. As with the In-Situ Pilot Test, an effervescent foam was immediately produced in the contaminated soil upon introduction of the Cool-Ox™. A final confirmation sample was collected for analysis two weeks after treatment.

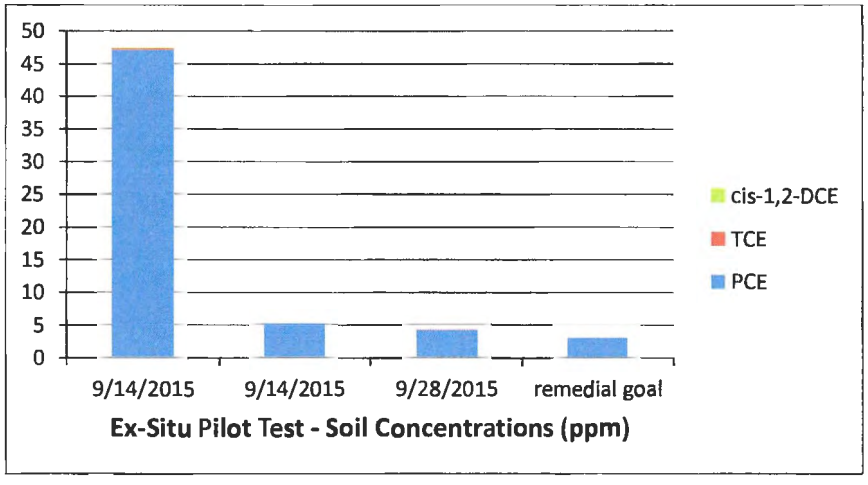
Ex-Situ Pilot Test Results

The detections of PCE in ex-situ soil samples are provided below:

	Cool-Ox™ Ex-Situ Pilot Test, Former Express Cleaners Site, Racine, WI			
	CONSTITUENTS DETECTED (ppm)			
collection date		PCE	TCE	Cis-1,2-DCE
9/14/15	Initial pre-treatment	47.0	0.20	0.04*
9/14/15	Immediately post-treatment	5.1	No detect	No detect
9/28/15	Two weeks post treatment	4.2	0.02*	No detect

*result is less than the Reporting Limit but greater or equal to the Method Detection Limit; an approximated value

The In-Situ Pilot Test soil sample results are illustrated below:



DISCUSSION

Pursuant to discussions with the Department, HEC had designed the initial pilot test to meet the Department's requirement that the test be performed under actual conditions existing at the contaminated site. This is specifically why the test was proposed as in-situ. Upon review and evaluation of the August 7, 2015 confirmation sample data received from the In-Situ Pilot Test results, HEC conferred with Deep Earth Technologies. Deep Earth Technologies maintains that the results are not unexpected and demonstrate, in HEC's words, that the CO2 expelled upon breaking of chemical bonds of the chlorinated compounds (observed as vigorous effervescence) creates subsurface negative pressure as the gas escapes at the surface, thus drawing contamination from surrounding contaminated areas via enhanced capillary action. Deep Earth Technologies explains that the increase in contaminant concentration was not unexpected, and would not have occurred if the entire contaminated area had been treated. Upon learning this information, HEC and the property owner made the decision to perform an Ex-Situ Pilot Test in order to observe contaminant reductions under conditions where the supply of contamination in adjacent soils is eliminated.

In retrospect, it is not realistic to expect the soils within the test area to be of uniform contaminant concentration. Therefore, the discrete samples collected before soil mixing are not considered representative of the contaminated mass after mixing. Also in retrospect, based upon the initial soil descriptions in previous Site Investigation reports, it was not apparent that the silty soils would allow the strong chemical reaction caused by the Cool-Ox™ to draw contamination in from the surrounding area.

Upon realization of the shortcomings of the In-Situ Pilot Test process, the Ex-Situ Pilot Test was initiated to correct for variability in the test soils and to establish boundary conditions that eliminate introduction of additional contaminants by capillary action or other processes. The combined results of both the In-Situ and Ex-Situ Pilot Tests demonstrate the actual response of incorporating Cool-Ox™ into a contaminated soil environment, and together the data from these tests indicate that Cool-Ox™ is extremely effective in eliminating PCE and TCE without generating harmful breakdown products. In actual remedial treatment, groundwater and soils below the water table will be treated via groundwater injection so that contamination from below is not expected to simply rise by capillary action into the unsaturated soil.

REMEDIAL EFFECTIVENESS AS FINAL REMEDY

The results of the pilot tests justify the use of Cool-Ox™ and a final remedial remedy at the former Express Cleaners Site. The Pilot Tests have demonstrated the effectiveness of Cool-Ox under actual conditions present at the site and the ability of Cool-Ox™ to substantially reduce chlorinated volatile organics in the soils beneath the Site. In-situ chemical oxidation has proven to be effective in remediating the substances present at the Site and has met all of the following requirements:

- Cool-Ox has proven to be effective in remediating the type of hazardous substances present at the Site under the conditions existing at the site. Based on results of the in-situ and ex-situ pilot tests, as well as experience gained at other sites with similar site characteristics and conditions, the effectiveness would be enhanced by increasing the area treated to include the entire heavily contaminated area.

- Cool-Ox has been demonstrated that it can be implemented in the manner proposed without posing a significant risk of harm to human health, safety, welfare or the environment; and,

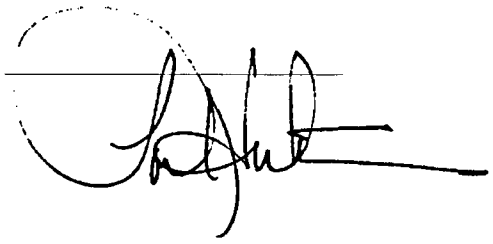
- Cool-Ox will result in the substantial reduction or control, or both, of the hazardous substances present at the site to a degree and in a manner that is in compliance with the requirements of chapter NR722.09 Wisconsin Administrative Code.

Based on an assessment and determination of the effectiveness of the natural attenuation processes occurring at the Site and results of the pilot tests conducted, in addition to an evaluation of the extent and degree of chlorinated contaminants, the site geologic and hydrogeologic setting, site geochemistry, and redox potential, it is determined that in-situ chemical oxidation, combined with enhanced RNA, is the most effective and efficient remedial option for the Site.

If you have any questions or require additional information, please contact us. We are prepared to conduct the final remediation, groundwater monitoring, and vapor intrusion testing at the Site within the next four weeks, given the remediation contractor's schedule and while the weather still permits, upon your authorization to proceed. We request approval to proceed timely such that mixing of Cool-Ox can occur in October and be allowed to react before freezing conditions are established in the soil profile. Ideally, we would mix Cool-Ox beginning on October 19, 2015.

Sincerely,

HUNTOON ENVIRONMENTAL CONSULTING, LLC



Lori Huntoon, P.G.
Principal Hydrogeologist

Huntoon Environmental Consulting, LLC - PO Box 259927 Madison, Wisconsin 53725 - 608.886.7245

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-99016-1
Client Project/Site: Express Cleaners (Former) - 2015-13

For:
Huntoon Environmental Consulting
PO BOX 259927
Madison, Wisconsin 53725

Attn: Lori Huntoon

Sandie Fredrick

Authorized for release by:
7/31/2015 10:09:03 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

LINKS

Review your project results through TotalAccess

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Table of Contents

Case Narrative

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) - 2015-13

TestAmerica Job ID: 500-99016-1

Job ID: 500-99016-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-99016-1

Comments
No additional comments.

Receipt
The samples were received on 7/25/2015 9:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.0° C.

GC/MS VOA
Method(s) 8260B: The laboratory control sample (LCS) for preparation batch 297126 recovered outside control limits for the majority of the analytes. These analytes were biased high in the preparation batch LCS but were within limits in the analytical batch LCS; therefore, the data has been reported.

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

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

Detection Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) - 2015-13

TestAmerica Job ID: 500-99016-1

Client Sample ID: PILOT 2.5

Lab Sample ID: 500-99016-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	11000	*	61	10	ug/Kg	50	☼	8260B	Total/NA
Trichloroethene	49	*	31	11	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: PILOT 5.0

Lab Sample ID: 500-99016-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	100		35	13	ug/Kg	50	☼	8260B	Total/NA
Tetrachloroethene - DL	21000	*	700	120	ug/Kg	500	☼	8260B	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-99016-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) - 2015-13

TestAmerica Job ID: 500-99016-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) - 2015-13

TestAmerica Job ID: 500-99016-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-99016-1	PILOT 2.5	Solid	07/24/15 10:30	07/25/15 09:25
500-99016-2	PILOT 5.0	Solid	07/24/15 10:45	07/25/15 09:25
500-99016-3	TRIP BLANK	Solid	07/24/15 00:00	07/25/15 09:25

Client Sample ID: PILOT 2.5
Date Collected: 07/24/15 10:30
Date Received: 07/25/15 09:25

Lab Sample ID: 500-99016-1
Matrix: Solid
Percent Solids: 89.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<12	*	61	12	ug/Kg	☼	07/24/15 09:00	07/28/15 04:31	50
1,1,2,2-Tetrachloroethane	<14		61	14	ug/Kg	☼	07/24/15 09:00	07/28/15 04:31	50
Carbon tetrachloride	<16	*	61	16	ug/Kg	☼	07/24/15 09:00	07/28/15 04:31	50
Chloroform	<13	*	61	13	ug/Kg	☼	07/24/15 09:00	07/28/15 04:31	50
cis-1,2-Dichloroethene	<7.5	*	61	7.5	ug/Kg	☼	07/24/15 09:00	07/28/15 04:31	50
Methylene Chloride	<42	*	310	42	ug/Kg	☼	07/24/15 09:00	07/28/15 04:31	50
Tetrachloroethene	**11000**	*	61	10	ug/Kg	☼	07/24/15 09:00	07/28/15 04:31	50
Trichloroethene	**49**	*	31	11	ug/Kg	☼	07/24/15 09:00	07/28/15 04:31	50
Vinyl chloride	<6.4		15	6.4	ug/Kg	☼	07/24/15 09:00	07/28/15 04:31	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 125*	*07/24/15 09:00*	*07/28/15 04:31*	*50*
4-Bromofluorobenzene (Surr)	*93*		*75 - 120*	*07/24/15 09:00*	*07/28/15 04:31*	*50*
Dibromofluoromethane	*94*		*75 - 120*	*07/24/15 09:00*	*07/28/15 04:31*	*50*
Toluene-d8 (Surr)	*88*		*75 - 120*	*07/24/15 09:00*	*07/28/15 04:31*	*50*

Client Sample ID: PILOT 5.0
Date Collected: 07/24/15 10:45
Date Received: 07/25/15 09:25

Lab Sample ID: 500-99016-2
Matrix: Solid
Percent Solids: 83.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<14	*	70	14	ug/Kg	☼	07/24/15 09:00	07/28/15 05:20	50
1,1,2,2-Tetrachloroethane	<16		70	16	ug/Kg	☼	07/24/15 09:00	07/28/15 05:20	50
Carbon tetrachloride	<18	*	70	18	ug/Kg	☼	07/24/15 09:00	07/28/15 05:20	50
Chloroform	<14	*	70	14	ug/Kg	☼	07/24/15 09:00	07/28/15 05:20	50
cis-1,2-Dichloroethene	<8.6	*	70	8.6	ug/Kg	☼	07/24/15 09:00	07/28/15 05:20	50
Methylene Chloride	<48	*	350	48	ug/Kg	☼	07/24/15 09:00	07/28/15 05:20	50
Trichloroethene	100	*	35	13	ug/Kg	☼	07/24/15 09:00	07/28/15 05:20	50
Vinyl chloride	<7.2		17	7.2	ug/Kg	☼	07/24/15 09:00	07/28/15 05:20	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 125*	*07/24/15 09:00*	*07/28/15 05:20*	*50*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*	*07/24/15 09:00*	*07/28/15 05:20*	*50*
Dibromofluoromethane	*95*		*75 - 120*	*07/24/15 09:00*	*07/28/15 05:20*	*50*
Toluene-d8 (Surr)	*89*		*75 - 120*	*07/24/15 09:00*	*07/28/15 05:20*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	21000	*	700	120	ug/Kg	☼	07/24/15 09:00	07/28/15 05:45	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 125*	*07/24/15 09:00*	*07/28/15 05:45*	*500*
4-Bromofluorobenzene (Surr)	*103*		*75 - 120*	*07/24/15 09:00*	*07/28/15 05:45*	*500*
Dibromofluoromethane	*95*		*75 - 120*	*07/24/15 09:00*	*07/28/15 05:45*	*500*
Toluene-d8 (Surr)	*91*		*75 - 120*	*07/24/15 09:00*	*07/28/15 05:45*	*500*

Client Sample ID: TRIP BLANK
Date Collected: 07/24/15 00:00
Date Received: 07/25/15 09:25

Lab Sample ID: 500-99016-3
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10	*	50	10	ug/Kg		07/24/15 09:00	07/28/15 04:55	50
1,1,2,2-Tetrachloroethane	<12		50	12	ug/Kg		07/24/15 09:00	07/28/15 04:55	50
Carbon tetrachloride	<13	*	50	13	ug/Kg		07/24/15 09:00	07/28/15 04:55	50
Chloroform	<10	*	50	10	ug/Kg		07/24/15 09:00	07/28/15 04:55	50
cis-1,2-Dichloroethene	<6.2	*	50	6.2	ug/Kg		07/24/15 09:00	07/28/15 04:55	50
Methylene Chloride	<34	*	250	34	ug/Kg		07/24/15 09:00	07/28/15 04:55	50
Tetrachloroethene	<8.4	*	50	8.4	ug/Kg		07/24/15 09:00	07/28/15 04:55	50
Trichloroethene	<9.3	*	25	9.3	ug/Kg		07/24/15 09:00	07/28/15 04:55	50
Vinyl chloride	<5.2		13	5.2	ug/Kg		07/24/15 09:00	07/28/15 04:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 125*	*07/24/15 09:00*	*07/28/15 04:55*	*50*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*	*07/24/15 09:00*	*07/28/15 04:55*	*50*
Dibromofluoromethane	*94*		*75 - 120*	*07/24/15 09:00*	*07/28/15 04:55*	*50*
Toluene-d8 (Surr)	*90*		*75 - 120*	*07/24/15 09:00*	*07/28/15 04:55*	*50*

Definitions/Glossary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) - 2015-13

TestAmerica Job ID: 500-99016-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

QC Association Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) - 2015-13

TestAmerica Job ID: 500-99016-1

GC/MS VOA

Prep Batch: 297126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99016-1	PILOT 2.5	Total/NA	Solid	5035	
500-99016-2	PILOT 5.0	Total/NA	Solid	5035	
500-99016-2 - DL	PILOT 5.0	Total/NA	Solid	5035	
500-99016-3	TRIP BLANK	Total/NA	Solid	5035	
LB3 500-297126/17-A	Method Blank	Total/NA	Solid	5035	
LCS 500-297126/18-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 297254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99016-1	PILOT 2.5	Total/NA	Solid	8260B	297126
500-99016-2	PILOT 5.0	Total/NA	Solid	8260B	297126
500-99016-2 - DL	PILOT 5.0	Total/NA	Solid	8260B	297126
500-99016-3	TRIP BLANK	Total/NA	Solid	8260B	297126
LB3 500-297126/17-A	Method Blank	Total/NA	Solid	8260B	297126
LCS 500-297126/18-A	Lab Control Sample	Total/NA	Solid	8260B	297126
LCS 500-297254/3	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-297254/7	Method Blank	Total/NA	Solid	8260B	

General Chemistry

Analysis Batch: 297252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99016-1	PILOT 2.5	Total/NA	Solid	Moisture	
500-99016-2	PILOT 5.0	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) - 2015-13

TestAmerica Job ID: 500-99016-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	**Client Sample ID**	(75-125)	(75-120)	(75-120)	(75-120)
500-99016-1	PILOT 2.5	98	93	94	88
500-99016-2	PILOT 5.0	96	96	95	89
500-99016-2 - DL	PILOT 5.0	97	103	95	91
500-99016-3	TRIP BLANK	95	99	94	90
LB3 500-297126/17-A	Method Blank	96	97	96	88
LCS 500-297126/18-A	Lab Control Sample	92	92	92	94
LCS 500-297254/3	Lab Control Sample	93	96	93	93
MB 500-297254/7	Method Blank	98	102	96	90

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-297126/17-A
Matrix: Solid
Analysis Batch: 297254

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 297126

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		50	10	ug/Kg		07/26/15 10:00	07/27/15 22:41	50
1,1,2,2-Tetrachloroethane	<12		50	12	ug/Kg		07/26/15 10:00	07/27/15 22:41	50
Carbon tetrachloride	<13		50	13	ug/Kg		07/26/15 10:00	07/27/15 22:41	50
Chloroform	<10		50	10	ug/Kg		07/26/15 10:00	07/27/15 22:41	50
cis-1,2-Dichloroethene	<6.2		50	6.2	ug/Kg		07/26/15 10:00	07/27/15 22:41	50
Methylene Chloride	<34		250	34	ug/Kg		07/26/15 10:00	07/27/15 22:41	50
Tetrachloroethene	<8.4		50	8.4	ug/Kg		07/26/15 10:00	07/27/15 22:41	50
Trichloroethene	<9.3		25	9.3	ug/Kg		07/26/15 10:00	07/27/15 22:41	50
Vinyl chloride	<5.2		13	5.2	ug/Kg		07/26/15 10:00	07/27/15 22:41	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 125*	*07/26/15 10:00*	*07/27/15 22:41*	*50*
4-Bromofluorobenzene (Surr)	*97*		*75 - 120*	*07/26/15 10:00*	*07/27/15 22:41*	*50*
Dibromofluoromethane	*96*		*75 - 120*	*07/26/15 10:00*	*07/27/15 22:41*	*50*
Toluene-d8 (Surr)	*88*		*75 - 120*	*07/26/15 10:00*	*07/27/15 22:41*	*50*

Lab Sample ID: LCS 500-297126/18-A
Matrix: Solid
Analysis Batch: 297254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 297126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	3480	*	ug/Kg		139	70 - 125
1,1,2,2-Tetrachloroethane	2500	3330		ug/Kg		133	68 - 133
Carbon tetrachloride	2500	3570	*	ug/Kg		143	70 - 136
Chloroform	2500	3430	*	ug/Kg		137	70 - 120
cis-1,2-Dichloroethene	2500	3550	*	ug/Kg		142	70 - 120
Methylene Chloride	2500	3070	*	ug/Kg		123	70 - 120
Tetrachloroethene	2500	3600	*	ug/Kg		144	70 - 129
Trichloroethene	2500	3690	*	ug/Kg		148	70 - 122
Vinyl chloride	2500	2180		ug/Kg		87	63 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 125*
4-Bromofluorobenzene (Surr)	*92*		*75 - 120*
Dibromofluoromethane	*92*		*75 - 120*
Toluene-d8 (Surr)	*94*		*75 - 120*

Lab Sample ID: MB 500-297254/7
Matrix: Solid
Analysis Batch: 297254

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/Kg			07/27/15 22:16	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/Kg			07/27/15 22:16	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/Kg			07/27/15 22:16	1
Chloroform	<0.21		1.0	0.21	ug/Kg			07/27/15 22:16	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/Kg			07/27/15 22:16	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-297254/7
Matrix: Solid
Analysis Batch: 297254

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.68		5.0	0.68	ug/Kg			07/27/15 22:16	1
Tetrachloroethene	<0.17		1.0	0.17	ug/Kg			07/27/15 22:16	1
Trichloroethene	<0.19		0.50	0.19	ug/Kg			07/27/15 22:16	1
Vinyl chloride	<0.10		0.25	0.10	ug/Kg			07/27/15 22:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 125*		*07/27/15 22:16*	*1*
4-Bromofluorobenzene (Surr)	*102*		*75 - 120*		*07/27/15 22:16*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*07/27/15 22:16*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*07/27/15 22:16*	*1*

Lab Sample ID: LCS 500-297254/3
Matrix: Solid
Analysis Batch: 297254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	47.7		ug/Kg		95	70 - 125
1,1,2,2-Tetrachloroethane	50.0	51.2		ug/Kg		102	68 - 133
Carbon tetrachloride	50.0	47.7		ug/Kg		95	70 - 136
Chloroform	50.0	47.1		ug/Kg		94	70 - 120
cis-1,2-Dichloroethene	50.0	49.4		ug/Kg		99	70 - 120
Methylene Chloride	50.0	42.7		ug/Kg		85	70 - 120
Tetrachloroethene	50.0	46.8		ug/Kg		94	70 - 129
Trichloroethene	50.0	49.2		ug/Kg		98	70 - 122
Vinyl chloride	50.0	43.2		ug/Kg		86	63 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 125*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*
Dibromofluoromethane	*93*		*75 - 120*
Toluene-d8 (Surr)	*93*		*75 - 120*

Lab Chronicle

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) - 2015-13

TestAmerica Job ID: 500-99016-1

Client Sample ID: PILOT 2.5
Date Collected: 07/24/15 10:30
Date Received: 07/25/15 09:25

Lab Sample ID: 500-99016-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	297252	07/27/15 13:52	LWN	TAL CHI

Client Sample ID: PILOT 2.5
Date Collected: 07/24/15 10:30
Date Received: 07/25/15 09:25

Lab Sample ID: 500-99016-1
Matrix: Solid
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			297126	07/24/15 09:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	297254	07/28/15 04:31	PMF	TAL CHI

Client Sample ID: PILOT 5.0
Date Collected: 07/24/15 10:45
Date Received: 07/25/15 09:25

Lab Sample ID: 500-99016-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	297252	07/27/15 13:52	LWN	TAL CHI

Client Sample ID: PILOT 5.0
Date Collected: 07/24/15 10:45
Date Received: 07/25/15 09:25

Lab Sample ID: 500-99016-2
Matrix: Solid
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			297126	07/24/15 09:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	297254	07/28/15 05:20	PMF	TAL CHI
Total/NA	Prep	5035	DL		297126	07/24/15 09:00	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	500	297254	07/28/15 05:45	PMF	TAL CHI

Client Sample ID: TRIP BLANK
Date Collected: 07/24/15 00:00
Date Received: 07/25/15 09:25

Lab Sample ID: 500-99016-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			297126	07/24/15 09:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	297254	07/28/15 04:55	PMF	TAL CHI

Laboratory References:
TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) - 2015-13

TestAmerica Job ID: 500-99016-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-15 *

* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-99016

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler:

(optional) Report To		(optional) Bill To	
Contact:	LORI HUNTOON	Contact:	SAME
Company:	HUNTOON ENV. CONS	Company:	
Address:	P.O. BOX 259927	Address:	
Address:	MADISON WI 53725	Address:	
Phone:	608.886.7245	Phone:	
Fax:		Fax:	
E-Mail:	lorihuntoonpg@gmail.com	PO#/Reference#:	500-99016 COC

Client	GSH	Client Project #	2015-13
Project Name	EXPRESS CLEANERS (former)		
Project Location/State	RACINE WI	Lab Project #	
Sampler	LCH	Lab PM	

Preservative: MEOH

Parameter: CVOCs

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	CVOCs	Comments
1		PILOT 2.5	7/24/15	10:30	2	S	X	
2		PILOT 5.0	7/24/15	10:45	2	S	X	
3		TRIP BLANK			2			

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date: _____

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	HEL	7/24/15			TA	7/25/15	0925

Lab Courier:
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments: please email results in addition to hard copy. thanks!!

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-99638-1
Client Project/Site: Express Cleaners - 2015-13

For:
Huntoon Environmental Consulting
PO BOX 259927
Madison, Wisconsin 53725

Attn: Lori Huntoon

Sandie Fredrick

Authorized for release by:
8/12/2015 3:29:43 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

..... LINKS .....

Review your project results through TotalAccess

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Table of Contents

Case Narrative

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners - 2015-13

TestAmerica Job ID: 500-99638-1

Job ID: 500-99638-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-99638-1

Comments
No additional comments.

Receipt
The samples were received on 8/8/2015 9:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.0° C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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

Detection Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners - 2015-13

TestAmerica Job ID: 500-99638-1

Client Sample ID: CS 2.5

Lab Sample ID: 500-99638-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8100		64	11	ug/Kg	50	☼	8260B	Total/NA
Trichloroethene	43		32	12	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: CS 5.0

Lab Sample ID: 500-99638-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	32	J	63	7.8	ug/Kg	50	☼	8260B	Total/NA
Tetrachloroethene	23000		630	110	ug/Kg	500	☼	8260B	Total/NA
Trichloroethene	90		32	12	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-99638-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners - 2015-13

TestAmerica Job ID: 500-99638-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners - 2015-13

TestAmerica Job ID: 500-99638-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-99638-1	CS 2.5	Solid	08/07/15 10:00	08/08/15 09:55
500-99638-2	CS 5.0	Solid	08/07/15 10:25	08/08/15 09:55
500-99638-3	Trip Blank	Solid	08/07/15 00:00	08/08/15 09:55

Client Sample ID: CS 2.5
Date Collected: 08/07/15 10:00
Date Received: 08/08/15 09:55

Lab Sample ID: 500-99638-1
Matrix: Solid
Percent Solids: 87.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<13		64	13	ug/Kg	☼	08/07/15 10:00	08/11/15 17:28	50
1,1,2,2-Tetrachloroethane	<15		64	15	ug/Kg	☼	08/07/15 10:00	08/11/15 17:28	50
Carbon tetrachloride	<16		64	16	ug/Kg	☼	08/07/15 10:00	08/11/15 17:28	50
Chloroform	<13		64	13	ug/Kg	☼	08/07/15 10:00	08/11/15 17:28	50
cis-1,2-Dichloroethene	<7.9		64	7.9	ug/Kg	☼	08/07/15 10:00	08/11/15 17:28	50
Methylene Chloride	<44		320	44	ug/Kg	☼	08/07/15 10:00	08/11/15 17:28	50
Tetrachloroethene	**8100**		64	11	ug/Kg	☼	08/07/15 10:00	08/11/15 17:28	50
Trichloroethene	**43**		32	12	ug/Kg	☼	08/07/15 10:00	08/11/15 17:28	50
Vinyl chloride	<6.6		16	6.6	ug/Kg	☼	08/07/15 10:00	08/11/15 17:28	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 125*	*08/07/15 10:00*	*08/11/15 17:28*	*50*
4-Bromofluorobenzene (Surr)	*94*		*75 - 120*	*08/07/15 10:00*	*08/11/15 17:28*	*50*
Dibromofluoromethane	*92*		*75 - 120*	*08/07/15 10:00*	*08/11/15 17:28*	*50*
Toluene-d8 (Surr)	*101*		*75 - 120*	*08/07/15 10:00*	*08/11/15 17:28*	*50*

Client Sample Results

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners - 2015-13

TestAmerica Job ID: 500-99638-1

Client Sample ID: CS 5.0
Date Collected: 08/07/15 10:25
Date Received: 08/08/15 09:55

Lab Sample ID: 500-99638-2
Matrix: Solid
Percent Solids: 88.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<13		63	13	ug/Kg	☼	08/09/15 16:15	08/11/15 17:56	50
1,1,2,2-Tetrachloroethane	<15		63	15	ug/Kg	☼	08/09/15 16:15	08/11/15 17:56	50
Carbon tetrachloride	<16		63	16	ug/Kg	☼	08/09/15 16:15	08/11/15 17:56	50
Chloroform	<13		63	13	ug/Kg	☼	08/09/15 16:15	08/11/15 17:56	50
cis-1,2-Dichloroethene	**32**	**J**	63	7.8	ug/Kg	☼	08/09/15 16:15	08/11/15 17:56	50
Methylene Chloride	<43		320	43	ug/Kg	☼	08/09/15 16:15	08/11/15 17:56	50
Tetrachloroethene	**23000**		630	110	ug/Kg	☼	08/09/15 16:15	08/12/15 07:41	500
Trichloroethene	**90**		32	12	ug/Kg	☼	08/09/15 16:15	08/11/15 17:56	50
Vinyl chloride	<6.6		16	6.6	ug/Kg	☼	08/09/15 16:15	08/11/15 17:56	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 125*	*08/09/15 16:15*	*08/11/15 17:56*	*50*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 125*	*08/09/15 16:15*	*08/12/15 07:41*	*500*
4-Bromofluorobenzene (Surr)	*94*		*75 - 120*	*08/09/15 16:15*	*08/11/15 17:56*	*50*
4-Bromofluorobenzene (Surr)	*91*		*75 - 120*	*08/09/15 16:15*	*08/12/15 07:41*	*500*
Dibromofluoromethane	*91*		*75 - 120*	*08/09/15 16:15*	*08/11/15 17:56*	*50*
Dibromofluoromethane	*89*		*75 - 120*	*08/09/15 16:15*	*08/12/15 07:41*	*500*
Toluene-d8 (Surr)	*100*		*75 - 120*	*08/09/15 16:15*	*08/11/15 17:56*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*08/09/15 16:15*	*08/12/15 07:41*	*500*

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners - 2015-13

TestAmerica Job ID: 500-99638-1

Client Sample ID: Trip Blank
Date Collected: 08/07/15 00:00
Date Received: 08/08/15 09:55

Lab Sample ID: 500-99638-3
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		50	10	ug/Kg		08/07/15 00:00	08/11/15 15:40	50
1,1,2,2-Tetrachloroethane	<12		50	12	ug/Kg		08/07/15 00:00	08/11/15 15:40	50
Carbon tetrachloride	<13		50	13	ug/Kg		08/07/15 00:00	08/11/15 15:40	50
Chloroform	<10		50	10	ug/Kg		08/07/15 00:00	08/11/15 15:40	50
cis-1,2-Dichloroethene	<6.2		50	6.2	ug/Kg		08/07/15 00:00	08/11/15 15:40	50
Methylene Chloride	<34		250	34	ug/Kg		08/07/15 00:00	08/11/15 15:40	50
Tetrachloroethene	<8.4		50	8.4	ug/Kg		08/07/15 00:00	08/11/15 15:40	50
Trichloroethene	<9.3		25	9.3	ug/Kg		08/07/15 00:00	08/11/15 15:40	50
Vinyl chloride	<5.2		13	5.2	ug/Kg		08/07/15 00:00	08/11/15 15:40	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 125*	*08/07/15 00:00*	*08/11/15 15:40*	*50*
4-Bromofluorobenzene (Surr)	*94*		*75 - 120*	*08/07/15 00:00*	*08/11/15 15:40*	*50*
Dibromofluoromethane	*91*		*75 - 120*	*08/07/15 00:00*	*08/11/15 15:40*	*50*
Toluene-d8 (Surr)	*100*		*75 - 120*	*08/07/15 00:00*	*08/11/15 15:40*	*50*

Definitions/Glossary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners - 2015-13

TestAmerica Job ID: 500-99638-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

QC Association Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners - 2015-13

TestAmerica Job ID: 500-99638-1

GC/MS VOA

Prep Batch: 299140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99638-1	CS 2.5	Total/NA	Solid	5035	
500-99638-1 MS	CS 2.5	Total/NA	Solid	5035	
500-99638-1 MSD	CS 2.5	Total/NA	Solid	5035	
500-99638-3	Trip Blank	Total/NA	Solid	5035	
LB3 500-299140/6-A	Method Blank	Total/NA	Solid	5035	
LCS 500-299140/7-A	Lab Control Sample	Total/NA	Solid	5035	

Prep Batch: 299154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99638-2	CS 5.0	Total/NA	Solid	5030B	

Analysis Batch: 299361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99638-1	CS 2.5	Total/NA	Solid	8260B	299140
500-99638-1 MS	CS 2.5	Total/NA	Solid	8260B	299140
500-99638-1 MSD	CS 2.5	Total/NA	Solid	8260B	299140
500-99638-2	CS 5.0	Total/NA	Solid	8260B	299154
500-99638-3	Trip Blank	Total/NA	Solid	8260B	299140
LB3 500-299140/6-A	Method Blank	Total/NA	Solid	8260B	299140
LCS 500-299140/7-A	Lab Control Sample	Total/NA	Solid	8260B	299140
LCS 500-299361/6	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-299361/10	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 299465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99638-2	CS 5.0	Total/NA	Solid	8260B	299154
LCS 500-299465/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-299465/6	Method Blank	Total/NA	Solid	8260B	

General Chemistry

Analysis Batch: 299264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99638-1	CS 2.5	Total/NA	Solid	Moisture	
500-99638-2	CS 5.0	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners - 2015-13

TestAmerica Job ID: 500-99638-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (75-125)	BFB (75-120)	DBFM (75-120)	TOL (75-120)
500-99638-1	CS 2.5	96	94	92	101
500-99638-1 MS	CS 2.5	96	92	96	102
500-99638-1 MSD	CS 2.5	93	93	95	102
500-99638-2	CS 5.0	97	94	91	100
500-99638-2	CS 5.0	90	91	89	102
500-99638-3	Trip Blank	97	94	91	100
LB3 500-299140/6-A	Method Blank	95	92	93	101
LCS 500-299140/7-A	Lab Control Sample	97	95	96	102
LCS 500-299361/6	Lab Control Sample	92	92	93	104
LCS 500-299465/4	Lab Control Sample	95	94	95	102
MB 500-299361/10	Method Blank	93	94	89	100
MB 500-299465/6	Method Blank	97	96	90	102

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-299140/6-A
Matrix: Solid
Analysis Batch: 299361

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 299140

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		50	10	ug/Kg		08/09/15 10:30	08/11/15 15:13	50
1,1,2,2-Tetrachloroethane	<12		50	12	ug/Kg		08/09/15 10:30	08/11/15 15:13	50
Carbon tetrachloride	<13		50	13	ug/Kg		08/09/15 10:30	08/11/15 15:13	50
Chloroform	<10		50	10	ug/Kg		08/09/15 10:30	08/11/15 15:13	50
cis-1,2-Dichloroethene	<6.2		50	6.2	ug/Kg		08/09/15 10:30	08/11/15 15:13	50
Methylene Chloride	<34		250	34	ug/Kg		08/09/15 10:30	08/11/15 15:13	50
Tetrachloroethene	<8.4		50	8.4	ug/Kg		08/09/15 10:30	08/11/15 15:13	50
Trichloroethene	<9.3		25	9.3	ug/Kg		08/09/15 10:30	08/11/15 15:13	50
Vinyl chloride	<5.2		13	5.2	ug/Kg		08/09/15 10:30	08/11/15 15:13	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 125*	*08/09/15 10:30*	*08/11/15 15:13*	*50*
4-Bromofluorobenzene (Surr)	*92*		*75 - 120*	*08/09/15 10:30*	*08/11/15 15:13*	*50*
Dibromofluoromethane	*93*		*75 - 120*	*08/09/15 10:30*	*08/11/15 15:13*	*50*
Toluene-d8 (Surr)	*101*		*75 - 120*	*08/09/15 10:30*	*08/11/15 15:13*	*50*

Lab Sample ID: LCS 500-299140/7-A
Matrix: Solid
Analysis Batch: 299361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 299140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2730		ug/Kg		109	70 - 125
1,1,2,2-Tetrachloroethane	2500	2830		ug/Kg		113	68 - 133
Carbon tetrachloride	2500	2790		ug/Kg		112	70 - 136
Chloroform	2500	2910		ug/Kg		116	70 - 120
cis-1,2-Dichloroethene	2500	2720		ug/Kg		109	70 - 120
Methylene Chloride	2500	2800		ug/Kg		112	70 - 120
Tetrachloroethene	2500	2780		ug/Kg		111	70 - 129
Trichloroethene	2500	2830		ug/Kg		113	70 - 122
Vinyl chloride	2500	3150		ug/Kg		126	63 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 125*
4-Bromofluorobenzene (Surr)	*95*		*75 - 120*
Dibromofluoromethane	*96*		*75 - 120*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Sample ID: 500-99638-1 MS
Matrix: Solid
Analysis Batch: 299361

Client Sample ID: CS 2.5
Prep Type: Total/NA
Prep Batch: 299140

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	<13		3200	3160		ug/Kg	☼	99	70 - 125
1,1,2,2-Tetrachloroethane	<15		3200	3360		ug/Kg	☼	105	68 - 133
Carbon tetrachloride	<16		3200	3200		ug/Kg	☼	100	70 - 136
Chloroform	<13		3200	3380		ug/Kg	☼	106	70 - 120
cis-1,2-Dichloroethene	<7.9		3200	3140		ug/Kg	☼	98	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-99638-1 MS
Matrix: Solid
Analysis Batch: 299361

Client Sample ID: CS 2.5
Prep Type: Total/NA
Prep Batch: 299140

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	<44		3200	3250		ug/Kg	☼	102	70 - 120
Tetrachloroethene	8100		3200	11400		ug/Kg	☼	101	70 - 129
Trichloroethene	43		3200	3260		ug/Kg	☼	101	70 - 122
Vinyl chloride	<6.6		3200	3570		ug/Kg	☼	112	63 - 127

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 125*
4-Bromofluorobenzene (Surr)	*92*		*75 - 120*
Dibromofluoromethane	*96*		*75 - 120*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Sample ID: 500-99638-1 MSD
Matrix: Solid
Analysis Batch: 299361

Client Sample ID: CS 2.5
Prep Type: Total/NA
Prep Batch: 299140

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	<13		3200	2920		ug/Kg	☼	91	70 - 125	8	30
1,1,2,2-Tetrachloroethane	<15		3200	3070		ug/Kg	☼	96	68 - 133	9	30
Carbon tetrachloride	<16		3200	2950		ug/Kg	☼	92	70 - 136	8	30
Chloroform	<13		3200	3180		ug/Kg	☼	100	70 - 120	6	30
cis-1,2-Dichloroethene	<7.9		3200	2920		ug/Kg	☼	91	70 - 120	7	30
Methylene Chloride	<44		3200	2950		ug/Kg	☼	92	70 - 120	10	30
Tetrachloroethene	8100		3200	11200		ug/Kg	☼	97	70 - 129	1	30
Trichloroethene	43		3200	3040		ug/Kg	☼	94	70 - 122	7	30
Vinyl chloride	<6.6		3200	3770		ug/Kg	☼	118	63 - 127	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 125*
4-Bromofluorobenzene (Surr)	*93*		*75 - 120*
Dibromofluoromethane	*95*		*75 - 120*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Sample ID: MB 500-299361/10
Matrix: Solid
Analysis Batch: 299361

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/Kg			08/11/15 11:32	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/Kg			08/11/15 11:32	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/Kg			08/11/15 11:32	1
Chloroform	<0.21		1.0	0.21	ug/Kg			08/11/15 11:32	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/Kg			08/11/15 11:32	1
Methylene Chloride	<0.68		5.0	0.68	ug/Kg			08/11/15 11:32	1
Tetrachloroethene	<0.17		1.0	0.17	ug/Kg			08/11/15 11:32	1
Trichloroethene	<0.19		0.50	0.19	ug/Kg			08/11/15 11:32	1
Vinyl chloride	<0.10		0.25	0.10	ug/Kg			08/11/15 11:32	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-299361/10
Matrix: Solid
Analysis Batch: 299361

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		75 - 125		08/11/15 11:32	1
4-Bromofluorobenzene (Surr)	94		75 - 120		08/11/15 11:32	1
Dibromofluoromethane	89		75 - 120		08/11/15 11:32	1
Toluene-d8 (Surr)	100		75 - 120		08/11/15 11:32	1

Lab Sample ID: LCS 500-299361/6
Matrix: Solid
Analysis Batch: 299361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	41.8		ug/Kg		84	70 - 125
1,1,2,2-Tetrachloroethane	50.0	38.0		ug/Kg		76	68 - 133
Carbon tetrachloride	50.0	43.8		ug/Kg		88	70 - 136
Chloroform	50.0	43.3		ug/Kg		87	70 - 120
cis-1,2-Dichloroethene	50.0	39.7		ug/Kg		79	70 - 120
Methylene Chloride	50.0	40.8		ug/Kg		82	70 - 120
Tetrachloroethene	50.0	45.0		ug/Kg		90	70 - 129
Trichloroethene	50.0	42.7		ug/Kg		85	70 - 122
Vinyl chloride	50.0	57.9		ug/Kg		116	63 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		75 - 125
4-Bromofluorobenzene (Surr)	92		75 - 120
Dibromofluoromethane	93		75 - 120
Toluene-d8 (Surr)	104		75 - 120

Lab Sample ID: MB 500-299465/6
Matrix: Solid
Analysis Batch: 299465

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/Kg			08/11/15 21:57	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/Kg			08/11/15 21:57	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/Kg			08/11/15 21:57	1
Chloroform	<0.21		1.0	0.21	ug/Kg			08/11/15 21:57	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/Kg			08/11/15 21:57	1
Methylene Chloride	<0.68		5.0	0.68	ug/Kg			08/11/15 21:57	1
Tetrachloroethene	<0.17		1.0	0.17	ug/Kg			08/11/15 21:57	1
Trichloroethene	<0.19		0.50	0.19	ug/Kg			08/11/15 21:57	1
Vinyl chloride	<0.10		0.25	0.10	ug/Kg			08/11/15 21:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		75 - 125		08/11/15 21:57	1
4-Bromofluorobenzene (Surr)	96		75 - 120		08/11/15 21:57	1
Dibromofluoromethane	90		75 - 120		08/11/15 21:57	1
Toluene-d8 (Surr)	102		75 - 120		08/11/15 21:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-299465/4
Matrix: Solid
Analysis Batch: 299465

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	43.4		ug/Kg		87	70 - 125
1,1,2,2-Tetrachloroethane	50.0	44.4		ug/Kg		89	68 - 133
Carbon tetrachloride	50.0	44.4		ug/Kg		89	70 - 136
Chloroform	50.0	46.4		ug/Kg		93	70 - 120
cis-1,2-Dichloroethene	50.0	43.2		ug/Kg		86	70 - 120
Methylene Chloride	50.0	44.5		ug/Kg		89	70 - 120
Tetrachloroethene	50.0	44.7		ug/Kg		89	70 - 129
Trichloroethene	50.0	45.1		ug/Kg		90	70 - 122
Vinyl chloride	50.0	55.2		ug/Kg		110	63 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 125*
4-Bromofluorobenzene (Surr)	*94*		*75 - 120*
Dibromofluoromethane	*95*		*75 - 120*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Chronicle

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners - 2015-13

TestAmerica Job ID: 500-99638-1

Client Sample ID: CS 2.5
Date Collected: 08/07/15 10:00
Date Received: 08/08/15 09:55

Lab Sample ID: 500-99638-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	299264	08/10/15 12:15	LWN	TAL CHI

Client Sample ID: CS 2.5
Date Collected: 08/07/15 10:00
Date Received: 08/08/15 09:55

Lab Sample ID: 500-99638-1
Matrix: Solid
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			299140	08/07/15 10:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	299361	08/11/15 17:28	PMF	TAL CHI

Client Sample ID: CS 5.0
Date Collected: 08/07/15 10:25
Date Received: 08/08/15 09:55

Lab Sample ID: 500-99638-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	299264	08/10/15 12:15	LWN	TAL CHI

Client Sample ID: CS 5.0
Date Collected: 08/07/15 10:25
Date Received: 08/08/15 09:55

Lab Sample ID: 500-99638-2
Matrix: Solid
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			299154	08/09/15 16:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	299361	08/11/15 17:56	PMF	TAL CHI
Total/NA	Prep	5030B			299154	08/09/15 16:15	WRE	TAL CHI
Total/NA	Analysis	8260B		500	299465	08/12/15 07:41	PMF	TAL CHI

Client Sample ID: Trip Blank
Date Collected: 08/07/15 00:00
Date Received: 08/08/15 09:55

Lab Sample ID: 500-99638-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			299140	08/07/15 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	299361	08/11/15 15:40	PMF	TAL CHI

Laboratory References:
TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners - 2015-13

TestAmerica Job ID: 500-99638-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-15 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-99638

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler: 5.0

Report To (optional)	Bill To (optional)
Contact: LORI HUNTOON	Contact:
Company: HUNTOON ENV. CONSULTING	Company:
Address: P.O. BOX 259927	Address:
Address: MADISON WI 53725	Address:
Phone: 608 886-7245	Phone:
Fax:	Fax:
E-Mail: lorihuntoonpg@gmail.com	PO#/Reference#

Client	Client Project #	Preservative
GSH	2015-13	MeOH

Project Name: EXPRESS CLEANERS (former)

Parameter: CVOCs

Project Location/State	Lab Project #
RACINE, WI	

Sampler	Lab PM
LCH	

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	CVOCs	Comments
1		CS 2.5	8/7/15	10:00	2	S	X	
2		CS 5.0	8/7/15	10:25	2	S	X	
3		TRIP BLANK	8/7/15	—	2	O		

Preservative Key
1 to 4°
ol to 4°
N to 4°
H to 4°
Cool to 4°

500-99638 COC

Turnaround Time Required (Business Days)
___ 1 Day X 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date: _____

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	HEL	8/7/15	12:22	[signature]	TA-CHI	08/08/15	09:55
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: FedEx
Hand Delivered:

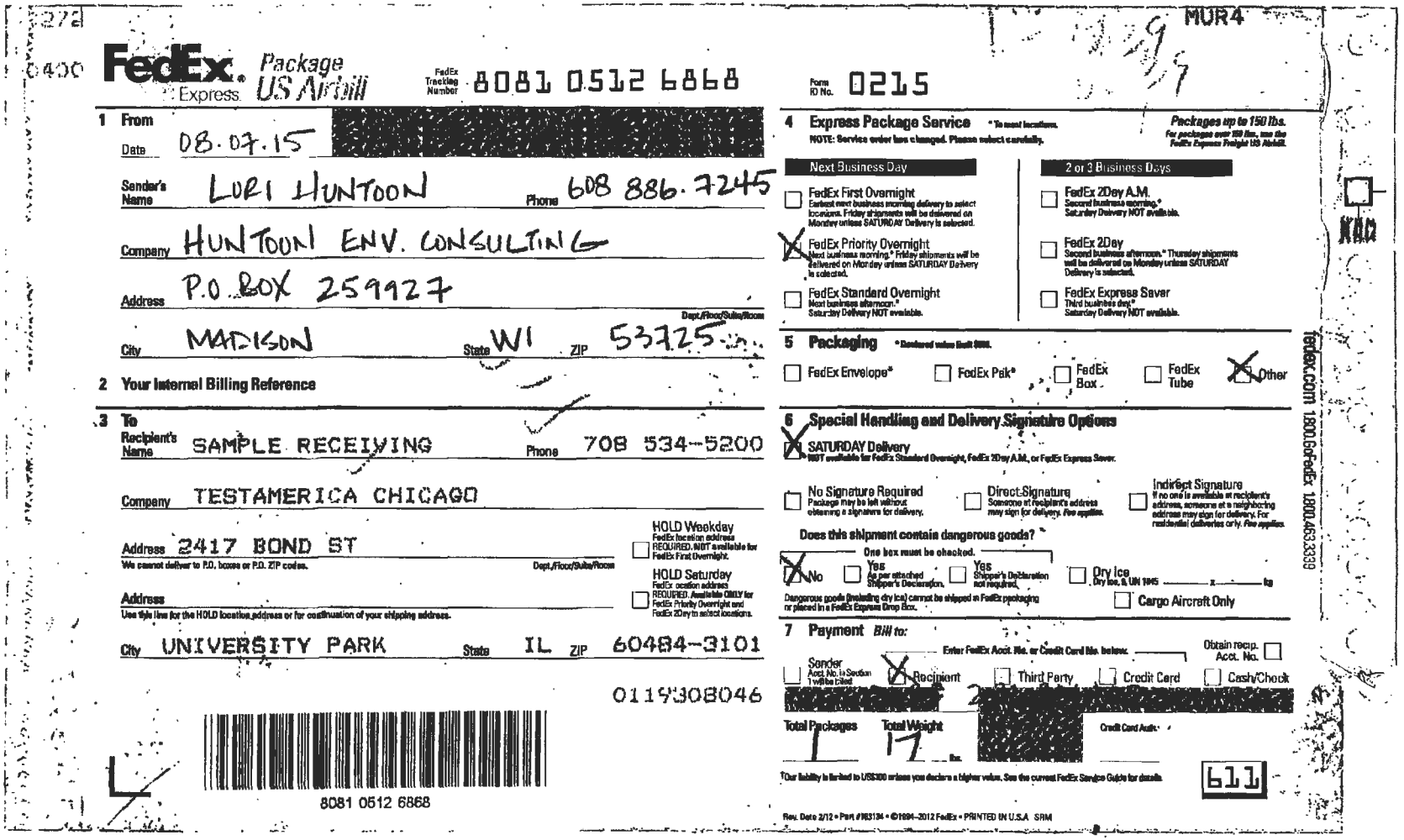
Matrix Key

WW – Wastewater	SE – Sediment
W – Water	SO – Soil
S – Soil	L – Leachate
SL – Sludge	WI – Wipe
MS – Miscellaneous	DW – Drinking Water
OL – Oil	O – Other
A – Air	

Client Comments
Please email results in addition to hard copy. thanks!!
2-day TURNAROUND time.

Lab Comments:

TAL-4124-500 (1209)
8/12/2015



FedEx Express Package US Airbill

FedEx Tracking Number 8081 0512 6868

Form ID No. 0215

MUR4

1 From

Date 08.07.15

Sender's Name LORI HUNTOON Phone 608 886.7245

Company HUNTOON ENV. CONSULTING

Address P.O. BOX 259927

Dept./Floor/Suite/Room

City MADISON State WI ZIP 53725

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE RECEIVING Phone 708 534-5200

Company TESTAMERICA CHICAGO

Address 2417 BOND ST

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City UNIVERSITY PARK State IL ZIP 60484-3101

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0119308046

8081 0512 6868

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.

For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day

- FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

- FedEx Envelope*
- FedEx Pak*
- FedEx Box
- FedEx Tube
- [X] Other

6 Special Handling and Delivery Signature Options

- [X] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- No Signature Required — Package may be left without obtaining a signature for delivery.
- Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods? One box must be checked.

- [X] No
- Yes — As per attached Shipper's Declaration.
- Yes — Shipper's Declaration not required.
- Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No.

- Sender — Acct. No. in Section 1 will be billed
- [X] Recipient
- Third Party
- Credit Card
- Cash/Check

Total Packages 1 Total Weight 17 lbs.

Credit Card Auth.

*Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

611

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fedex.com 1.800.GoFedEx 1.800.463.3339

Login Sample Receipt Checklist

Client: Huntoon Environmental Consulting

Job Number: 500-99638-1

Login Number: 99638
List Number: 1
Creator: Sanchez, Ariel M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-99919-1
Client Project/Site: Express Cleaners (Former) 2015-13

For:
Huntoon Environmental Consulting
PO BOX 259927
Madison, Wisconsin 53725

Attn: Lori Huntoon

Therese Hargraves

Authorized for release by:
8/25/2015 1:45:01 PM
Therese Hargraves, Project Manager I
therese.hargraves@testamericainc.com

Designee for

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Table of Contents

Case Narrative

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-99919-1

Job ID: 500-99919-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-99919-1

Comments
No additional comments.

Receipt
The samples were received on 8/14/2015 10:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 8.0° C.

GC/MS VOA
Method(s) 5035:

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

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

Detection Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-99919-1

Client Sample ID: PSCS-2.5'

Lab Sample ID: 500-99919-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	9900		66	11	ug/Kg	50	☼	8260B	Total/NA
Trichloroethene	49		33	12	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: PSCS-4.5'

Lab Sample ID: 500-99919-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8400		64	11	ug/Kg	50	☼	8260B	Total/NA
Trichloroethene	36		32	12	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-99919-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-99919-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-99919-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-99919-1	PSCS-2.5'	Solid	08/13/15 13:35	08/14/15 10:20
500-99919-2	PSCS-4.5'	Solid	08/13/15 13:55	08/14/15 10:20
500-99919-3	Trip Blank	Solid	08/13/15 00:00	08/14/15 10:20

Client Sample ID: PSCS-2.5'
Date Collected: 08/13/15 13:35
Date Received: 08/14/15 10:20

Lab Sample ID: 500-99919-1
Matrix: Solid
Percent Solids: 86.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<13		66	13	ug/Kg	☼	08/13/15 13:35	08/20/15 02:32	50
1,1,2,2-Tetrachloroethane	<16		66	16	ug/Kg	☼	08/13/15 13:35	08/20/15 02:32	50
Carbon tetrachloride	<17		66	17	ug/Kg	☼	08/13/15 13:35	08/20/15 02:32	50
Chloroform	<14		66	14	ug/Kg	☼	08/13/15 13:35	08/20/15 02:32	50
cis-1,2-Dichloroethene	<8.1		66	8.1	ug/Kg	☼	08/13/15 13:35	08/20/15 02:32	50
Methylene Chloride	<45		330	45	ug/Kg	☼	08/13/15 13:35	08/20/15 02:32	50
Tetrachloroethene	**9900**		66	11	ug/Kg	☼	08/13/15 13:35	08/20/15 02:32	50
Trichloroethene	**49**		33	12	ug/Kg	☼	08/13/15 13:35	08/20/15 02:32	50
Vinyl chloride	<6.9		17	6.9	ug/Kg	☼	08/13/15 13:35	08/20/15 02:32	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 125*	*08/13/15 13:35*	*08/20/15 02:32*	*50*
4-Bromofluorobenzene (Surr)	*91*		*75 - 120*	*08/13/15 13:35*	*08/20/15 02:32*	*50*
Dibromofluoromethane	*98*		*75 - 120*	*08/13/15 13:35*	*08/20/15 02:32*	*50*
Toluene-d8 (Surr)	*89*		*75 - 120*	*08/13/15 13:35*	*08/20/15 02:32*	*50*

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-99919-1

Client Sample ID: PSCS-4.5'
Date Collected: 08/13/15 13:55
Date Received: 08/14/15 10:20

Lab Sample ID: 500-99919-2
Matrix: Solid
Percent Solids: 88.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<13		64	13	ug/Kg	☼	08/14/15 18:02	08/20/15 02:59	50
1,1,2,2-Tetrachloroethane	<15		64	15	ug/Kg	☼	08/14/15 18:02	08/20/15 02:59	50
Carbon tetrachloride	<16		64	16	ug/Kg	☼	08/14/15 18:02	08/20/15 02:59	50
Chloroform	<13		64	13	ug/Kg	☼	08/14/15 18:02	08/20/15 02:59	50
cis-1,2-Dichloroethene	<7.8		64	7.8	ug/Kg	☼	08/14/15 18:02	08/20/15 02:59	50
Methylene Chloride	<43		320	43	ug/Kg	☼	08/14/15 18:02	08/20/15 02:59	50
Tetrachloroethene	**8400**		64	11	ug/Kg	☼	08/14/15 18:02	08/20/15 02:59	50
Trichloroethene	**36**		32	12	ug/Kg	☼	08/14/15 18:02	08/20/15 02:59	50
Vinyl chloride	<6.6		16	6.6	ug/Kg	☼	08/14/15 18:02	08/20/15 02:59	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 125*	*08/14/15 18:02*	*08/20/15 02:59*	*50*
4-Bromofluorobenzene (Surr)	*91*		*75 - 120*	*08/14/15 18:02*	*08/20/15 02:59*	*50*
Dibromofluoromethane	*96*		*75 - 120*	*08/14/15 18:02*	*08/20/15 02:59*	*50*
Toluene-d8 (Surr)	*90*		*75 - 120*	*08/14/15 18:02*	*08/20/15 02:59*	*50*

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-99919-1

Client Sample ID: Trip Blank
Date Collected: 08/13/15 00:00
Date Received: 08/14/15 10:20

Lab Sample ID: 500-99919-3
Matrix: Solid
Percent Solids: 100.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		50	10	ug/Kg	☼	08/13/15 00:00	08/20/15 03:25	50
1,1,2,2-Tetrachloroethane	<12		50	12	ug/Kg	☼	08/13/15 00:00	08/20/15 03:25	50
Carbon tetrachloride	<13		50	13	ug/Kg	☼	08/13/15 00:00	08/20/15 03:25	50
Chloroform	<10		50	10	ug/Kg	☼	08/13/15 00:00	08/20/15 03:25	50
cis-1,2-Dichloroethene	<6.2		50	6.2	ug/Kg	☼	08/13/15 00:00	08/20/15 03:25	50
Methylene Chloride	<34		250	34	ug/Kg	☼	08/13/15 00:00	08/20/15 03:25	50
Tetrachloroethene	<8.4		50	8.4	ug/Kg	☼	08/13/15 00:00	08/20/15 03:25	50
Trichloroethene	<9.3		25	9.3	ug/Kg	☼	08/13/15 00:00	08/20/15 03:25	50
Vinyl chloride	<5.2		13	5.2	ug/Kg	☼	08/13/15 00:00	08/20/15 03:25	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 125*	*08/13/15 00:00*	*08/20/15 03:25*	*50*
4-Bromofluorobenzene (Surr)	*94*		*75 - 120*	*08/13/15 00:00*	*08/20/15 03:25*	*50*
Dibromofluoromethane	*98*		*75 - 120*	*08/13/15 00:00*	*08/20/15 03:25*	*50*
Toluene-d8 (Surr)	*88*		*75 - 120*	*08/13/15 00:00*	*08/20/15 03:25*	*50*

Definitions/Glossary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-99919-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

QC Association Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-99919-1

GC/MS VOA

Prep Batch: 300132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99919-1	PSCS-2.5'	Total/NA	Solid	5035	
500-99919-2	PSCS-4.5'	Total/NA	Solid	5030B	
500-99919-3	Trip Blank	Total/NA	Solid	5035	
LB3 500-300132/14-A	Method Blank	Total/NA	Solid	5035	
LCS 500-300132/15-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 300681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99919-1	PSCS-2.5'	Total/NA	Solid	8260B	300132
500-99919-2	PSCS-4.5'	Total/NA	Solid	8260B	300132
500-99919-3	Trip Blank	Total/NA	Solid	8260B	300132
LB3 500-300132/14-A	Method Blank	Total/NA	Solid	8260B	300132
LCS 500-300132/15-A	Lab Control Sample	Total/NA	Solid	8260B	300132
LCS 500-300681/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-300681/7	Method Blank	Total/NA	Solid	8260B	

General Chemistry

Analysis Batch: 300125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99919-1	PSCS-2.5'	Total/NA	Solid	Moisture	
500-99919-2	PSCS-4.5'	Total/NA	Solid	Moisture	
500-99919-3	Trip Blank	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-99919-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	**Client Sample ID**	**(75-125)**	**(75-120)**	**(75-120)**	**(75-120)**
500-99919-1	PSCS-2.5'	95	91	98	89
500-99919-2	PSCS-4.5'	95	91	96	90
500-99919-3	Trip Blank	96	94	98	88
LB3 500-300132/14-A	Method Blank	90	90	95	90
LCS 500-300132/15-A	Lab Control Sample	92	87	98	90
LCS 500-300681/4	Lab Control Sample	95	90	102	90
MB 500-300681/7	Method Blank	93	95	97	91

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-300132/14-A
Matrix: Solid
Analysis Batch: 300681

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 300132

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		50	10	ug/Kg		08/14/15 17:00	08/19/15 22:32	50
1,1,2,2-Tetrachloroethane	<12		50	12	ug/Kg		08/14/15 17:00	08/19/15 22:32	50
Carbon tetrachloride	<13		50	13	ug/Kg		08/14/15 17:00	08/19/15 22:32	50
Chloroform	<10		50	10	ug/Kg		08/14/15 17:00	08/19/15 22:32	50
cis-1,2-Dichloroethene	<6.2		50	6.2	ug/Kg		08/14/15 17:00	08/19/15 22:32	50
Methylene Chloride	<34		250	34	ug/Kg		08/14/15 17:00	08/19/15 22:32	50
Tetrachloroethene	<8.4		50	8.4	ug/Kg		08/14/15 17:00	08/19/15 22:32	50
Trichloroethene	<9.3		25	9.3	ug/Kg		08/14/15 17:00	08/19/15 22:32	50
Vinyl chloride	<5.2		13	5.2	ug/Kg		08/14/15 17:00	08/19/15 22:32	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 125*	*08/14/15 17:00*	*08/19/15 22:32*	*50*
4-Bromofluorobenzene (Surr)	*90*		*75 - 120*	*08/14/15 17:00*	*08/19/15 22:32*	*50*
Dibromofluoromethane	*95*		*75 - 120*	*08/14/15 17:00*	*08/19/15 22:32*	*50*
Toluene-d8 (Surr)	*90*		*75 - 120*	*08/14/15 17:00*	*08/19/15 22:32*	*50*

Lab Sample ID: LCS 500-300132/15-A
Matrix: Solid
Analysis Batch: 300681

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 300132

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2510		ug/Kg		100	70 - 125
1,1,2,2-Tetrachloroethane	2500	2300		ug/Kg		92	68 - 133
Carbon tetrachloride	2500	2680		ug/Kg		107	70 - 136
Chloroform	2500	2500		ug/Kg		100	70 - 120
cis-1,2-Dichloroethene	2500	2610		ug/Kg		105	70 - 120
Methylene Chloride	2500	2410		ug/Kg		96	70 - 120
Tetrachloroethene	2500	2640		ug/Kg		105	70 - 129
Trichloroethene	2500	2980		ug/Kg		119	70 - 122
Vinyl chloride	2500	2370		ug/Kg		95	63 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 125*
4-Bromofluorobenzene (Surr)	*87*		*75 - 120*
Dibromofluoromethane	*98*		*75 - 120*
Toluene-d8 (Surr)	*90*		*75 - 120*

Lab Sample ID: MB 500-300681/7
Matrix: Solid
Analysis Batch: 300681

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/Kg			08/19/15 22:05	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/Kg			08/19/15 22:05	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/Kg			08/19/15 22:05	1
Chloroform	<0.21		1.0	0.21	ug/Kg			08/19/15 22:05	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/Kg			08/19/15 22:05	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-300681/7
Matrix: Solid
Analysis Batch: 300681

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.68		5.0	0.68	ug/Kg			08/19/15 22:05	1
Tetrachloroethene	<0.17		1.0	0.17	ug/Kg			08/19/15 22:05	1
Trichloroethene	<0.19		0.50	0.19	ug/Kg			08/19/15 22:05	1
Vinyl chloride	<0.10		0.25	0.10	ug/Kg			08/19/15 22:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 125*		*08/19/15 22:05*	*1*
4-Bromofluorobenzene (Surr)	*95*		*75 - 120*		*08/19/15 22:05*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*08/19/15 22:05*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*08/19/15 22:05*	*1*

Lab Sample ID: LCS 500-300681/4
Matrix: Solid
Analysis Batch: 300681

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	41.0		ug/Kg		82	70 - 125
1,1,2,2-Tetrachloroethane	50.0	47.6		ug/Kg		95	68 - 133
Carbon tetrachloride	50.0	43.3		ug/Kg		87	70 - 136
Chloroform	50.0	43.4		ug/Kg		87	70 - 120
cis-1,2-Dichloroethene	50.0	45.4		ug/Kg		91	70 - 120
Methylene Chloride	50.0	41.0		ug/Kg		82	70 - 120
Tetrachloroethene	50.0	43.9		ug/Kg		88	70 - 129
Trichloroethene	50.0	50.2		ug/Kg		100	70 - 122
Vinyl chloride	50.0	48.0		ug/Kg		96	63 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 125*
4-Bromofluorobenzene (Surr)	*90*		*75 - 120*
Dibromofluoromethane	*102*		*75 - 120*
Toluene-d8 (Surr)	*90*		*75 - 120*

Lab Chronicle

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-99919-1

Client Sample ID: PSCS-2.5' — **Lab Sample ID: 500-99919-1**
Date Collected: 08/13/15 13:35 — **Matrix: Solid**
Date Received: 08/14/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	300125	08/14/15 17:05	LWN	TAL CHI

Client Sample ID: PSCS-2.5' — **Lab Sample ID: 500-99919-1**
Date Collected: 08/13/15 13:35 — **Matrix: Solid**
Date Received: 08/14/15 10:20 — **Percent Solids: 86.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			300132	08/13/15 13:35	WRE	TAL CHI
Total/NA	Analysis	8260B		50	300681	08/20/15 02:32	JMP	TAL CHI

Client Sample ID: PSCS-4.5' — **Lab Sample ID: 500-99919-2**
Date Collected: 08/13/15 13:55 — **Matrix: Solid**
Date Received: 08/14/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	300125	08/14/15 17:05	LWN	TAL CHI

Client Sample ID: PSCS-4.5' — **Lab Sample ID: 500-99919-2**
Date Collected: 08/13/15 13:55 — **Matrix: Solid**
Date Received: 08/14/15 10:20 — **Percent Solids: 88.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			300132	08/14/15 18:02	WRE	TAL CHI
Total/NA	Analysis	8260B		50	300681	08/20/15 02:59	JMP	TAL CHI

Client Sample ID: Trip Blank — **Lab Sample ID: 500-99919-3**
Date Collected: 08/13/15 00:00 — **Matrix: Solid**
Date Received: 08/14/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	300125	08/17/15 09:43	LWN	TAL CHI

Client Sample ID: Trip Blank — **Lab Sample ID: 500-99919-3**
Date Collected: 08/13/15 00:00 — **Matrix: Solid**
Date Received: 08/14/15 10:20 — **Percent Solids: 100.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			300132	08/13/15 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	300681	08/20/15 03:25	JMP	TAL CHI

Laboratory References:
TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-99919-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-15 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500- 99919

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler: 8.0

(optional) Report To		(optional) Bill To	
Contact:	LORI HUNTOON	Contact:	
Company:	HUNTOON ENV. CONSULTING	Company:	STATE
Address:	P.O. BOX 259927	Address:	
Address:	MADISON WI 53725	Address:	
Phone:	608.886.7245	Phone:	
Fax:		Fax:	
E-Mail:	loribuntoonpe@gmail.com	Cost Reference#	

Client	GSH	Client Project #	2015-13
Project Name	EXPRESS CLEANERS (former)		
Project Location/State	RACINE, WI	Lab Project #	
Sampler	LW	Lab PM	

Preservative: MeOH

Parameter: CVOCs

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	CVOCs	Comments
1		PSCS-2.5'	8-13-15	13:35	2	S	X	
2		PSCS-4.5'	8-13-15	13:55	2	S	X	
3		TRIP BLANK			2	—		

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date: _____

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	HEL	8.13.15	14:45		TAL	08/14/15	1020

Lab Courier:
Shipped: FX
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
– Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments: Please email results. thank you!

Lab Comments:

500-99919 COC

TAL-4124-500 (1209)

8/25/2015

FedEx. US Airbill
Express

FedEx Tracking Number 8708 8671 8382

Recipient's Copy

1 From

Date 08.12.15

Sender's Name [redacted] Phone [redacted]

Company [redacted]

Address [redacted] Dept/Floor/Suite/Room

City [redacted] State WI ZIP [redacted]

2 Your Internal Billing Reference

3 To

Recipient's Name [redacted] Phone [redacted]

Company [redacted]

HOLD Weekday — Print FedEx location address below. NOT available for FedEx First Overnight.

HOLD Saturday — Print FedEx location address below. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Address [redacted] Dept/Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Print FedEx location address here if a HOLD option is selected.

City [redacted] State IL ZIP [redacted]

4a Express Package Service * To most locations. Packages up to 150 lbs.

- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. Packages over 150 lbs.

- [ ] FedEx 1Day Freight — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected. FedEx 1Day Freight Booking No.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:*

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Enter FedEx Acct. No. or Credit Card No. below.

Obtain Recip. Acct. No. [ ]

Total Packages	Total Weight	Total Declared Value†	Credit Card Auth.
1	13 lbs.	$ .00	

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500- 99919

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler: 8.0

Report To (optional)	Bill To (optional)
Contact: LORI HUNTOON	Contact:
Company: HUNTOON ENV. CONSULTING	Company: SAME
Address: P.O. BOX 259927	Address:
Address: MADISON WI 53725	Address:
Phone: 608.886.7245	Phone:
Fax:	Fax:
E-Mail: lorihuntoonpg@gmail.com	Lab Reference#

Client	Client Project #	Preservative
GSH	2015-13	MeOH
Project Name: EXPRESS CLEANERS (former)		Parameter
Project Location/State: RACINE, WI	Lab Project #	CVOCs
Sampler: LW	Lab PM	

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	CVOCs	Comments
1		PSCS-2.5'	8-13-15	13:35	2	S	X	
2		PSCS-4.5'	8-13-15	13:55	2	S	X	
3		TRIP BLANK			2	-		

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date: _____

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	HEL	8.13.15	14:45		TAL	08/14/15	1020
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: FX
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments: Please email results. thank you!

Lab Comments:

500-99919 COC

Login Sample Receipt Checklist

Client: Huntoon Environmental Consulting

Job Number: 500-99919-1

Login Number: 99919
List Number: 1
Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	ON ICE
Cooler Temperature is recorded.	True	8.0c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-100587-1
Client Project/Site: Express Cleaners (Former) 2015-13

For:
Huntoon Environmental Consulting
PO BOX 259927
Madison, Wisconsin 53725

Attn: Lori Huntoon

Sandie Fredrick

Authorized for release by:
9/2/2015 11:51:48 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Table of Contents

Case Narrative

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-100587-1

Job ID: 500-100587-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-100587-1

Comments
No additional comments.

Receipt
The samples were received on 8/29/2015 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.5° C.

GC/MS VOA
Method(s) 5035: extract vials for samples 1 & 2 have > 33 grams of soil and cannot be ratoi matched with methanol.

Extract vial 2 has no initial weight o the vial. The initial weight entered in TALS is the average weight of the other 5 vials received from that vial batch on 8/29/15.

Relogged as 5030B_H and prepared from bulk jars.

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

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

Detection Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-100587-1

Client Sample ID: PSCS0828-2.5

Lab Sample ID: 500-100587-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8900		63	11	ug/Kg	50	☼	8260B	Total/NA
Trichloroethene	33		31	12	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: PSCS0828-5.0

Lab Sample ID: 500-100587-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	12000		63	11	ug/Kg	50	☼	8260B	Total/NA
Trichloroethene	41		32	12	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: Trip Balnk

Lab Sample ID: 500-100587-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-100587-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-100587-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-100587-1	PSCS0828-2.5	Solid	08/28/15 12:05	08/29/15 09:40
500-100587-2	PSCS0828-5.0	Solid	08/28/15 12:35	08/29/15 09:40
500-100587-3	Trip Balnk	Solid	08/28/15 00:00	08/29/15 09:40

Client Sample Results

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-100587-1

Client Sample ID: PSCS0828-2.5
Date Collected: 08/28/15 12:05
Date Received: 08/29/15 09:40

Lab Sample ID: 500-100587-1
Matrix: Solid
Percent Solids: 88.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<13		63	13	ug/Kg	☼	08/30/15 13:32	09/01/15 13:36	50
1,1,2,2-Tetrachloroethane	<15		63	15	ug/Kg	☼	08/30/15 13:32	09/01/15 13:36	50
Carbon tetrachloride	<16		63	16	ug/Kg	☼	08/30/15 13:32	09/01/15 13:36	50
Chloroform	<13		63	13	ug/Kg	☼	08/30/15 13:32	09/01/15 13:36	50
cis-1,2-Dichloroethene	<7.7		63	7.7	ug/Kg	☼	08/30/15 13:32	09/01/15 13:36	50
Methylene Chloride	<43		310	43	ug/Kg	☼	08/30/15 13:32	09/01/15 13:36	50
Tetrachloroethene	**8900**		63	11	ug/Kg	☼	08/30/15 13:32	09/01/15 13:36	50
Trichloroethene	**33**		31	12	ug/Kg	☼	08/30/15 13:32	09/01/15 13:36	50
Vinyl chloride	<6.6		16	6.6	ug/Kg	☼	08/30/15 13:32	09/01/15 13:36	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 125*	*08/30/15 13:32*	*09/01/15 13:36*	*50*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*	*08/30/15 13:32*	*09/01/15 13:36*	*50*
Dibromofluoromethane	*87*		*75 - 120*	*08/30/15 13:32*	*09/01/15 13:36*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*08/30/15 13:32*	*09/01/15 13:36*	*50*

Client Sample ID: PSCS0828-5.0
Date Collected: 08/28/15 12:35
Date Received: 08/29/15 09:40

Lab Sample ID: 500-100587-2
Matrix: Solid
Percent Solids: 88.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<13		63	13	ug/Kg	☼	08/30/15 13:32	09/01/15 14:03	50
1,1,2,2-Tetrachloroethane	<15		63	15	ug/Kg	☼	08/30/15 13:32	09/01/15 14:03	50
Carbon tetrachloride	<16		63	16	ug/Kg	☼	08/30/15 13:32	09/01/15 14:03	50
Chloroform	<13		63	13	ug/Kg	☼	08/30/15 13:32	09/01/15 14:03	50
cis-1,2-Dichloroethene	<7.8		63	7.8	ug/Kg	☼	08/30/15 13:32	09/01/15 14:03	50
Methylene Chloride	<43		320	43	ug/Kg	☼	08/30/15 13:32	09/01/15 14:03	50
Tetrachloroethene	**12000**		63	11	ug/Kg	☼	08/30/15 13:32	09/01/15 14:03	50
Trichloroethene	**41**		32	12	ug/Kg	☼	08/30/15 13:32	09/01/15 14:03	50
Vinyl chloride	<6.6		16	6.6	ug/Kg	☼	08/30/15 13:32	09/01/15 14:03	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 125*	*08/30/15 13:32*	*09/01/15 14:03*	*50*
4-Bromofluorobenzene (Surr)	*97*		*75 - 120*	*08/30/15 13:32*	*09/01/15 14:03*	*50*
Dibromofluoromethane	*91*		*75 - 120*	*08/30/15 13:32*	*09/01/15 14:03*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*08/30/15 13:32*	*09/01/15 14:03*	*50*

Client Sample ID: Trip Balnk
Date Collected: 08/28/15 00:00
Date Received: 08/29/15 09:40

Lab Sample ID: 500-100587-3
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		50	10	ug/Kg		08/28/15 00:00	09/01/15 13:09	50
1,1,2,2-Tetrachloroethane	<12		50	12	ug/Kg		08/28/15 00:00	09/01/15 13:09	50
Carbon tetrachloride	<13		50	13	ug/Kg		08/28/15 00:00	09/01/15 13:09	50
Chloroform	<10		50	10	ug/Kg		08/28/15 00:00	09/01/15 13:09	50
cis-1,2-Dichloroethene	<6.2		50	6.2	ug/Kg		08/28/15 00:00	09/01/15 13:09	50
Methylene Chloride	<34		250	34	ug/Kg		08/28/15 00:00	09/01/15 13:09	50
Tetrachloroethene	<8.4		50	8.4	ug/Kg		08/28/15 00:00	09/01/15 13:09	50
Trichloroethene	<9.3		25	9.3	ug/Kg		08/28/15 00:00	09/01/15 13:09	50
Vinyl chloride	<5.2		13	5.2	ug/Kg		08/28/15 00:00	09/01/15 13:09	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 125*	*08/28/15 00:00*	*09/01/15 13:09*	*50*
4-Bromofluorobenzene (Surr)	*98*		*75 - 120*	*08/28/15 00:00*	*09/01/15 13:09*	*50*
Dibromofluoromethane	*88*		*75 - 120*	*08/28/15 00:00*	*09/01/15 13:09*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*08/28/15 00:00*	*09/01/15 13:09*	*50*

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

QC Association Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-100587-1

GC/MS VOA

Prep Batch: 302265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100587-3	Trip Balnk	Total/NA	Solid	5035	
LB3 500-302265/10-A	Method Blank	Total/NA	Solid	5035	
LCS 500-302265/11-A	Lab Control Sample	Total/NA	Solid	5035	

Prep Batch: 302270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100587-1	PSCS0828-2.5	Total/NA	Solid	5030B	
500-100587-2	PSCS0828-5.0	Total/NA	Solid	5030B	

Analysis Batch: 302516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100587-1	PSCS0828-2.5	Total/NA	Solid	8260B	302270
500-100587-2	PSCS0828-5.0	Total/NA	Solid	8260B	302270
500-100587-3	Trip Balnk	Total/NA	Solid	8260B	302265
LB3 500-302265/10-A	Method Blank	Total/NA	Solid	8260B	302265
LCS 500-302265/11-A	Lab Control Sample	Total/NA	Solid	8260B	302265
LCS 500-302516/3	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-302516/6	Method Blank	Total/NA	Solid	8260B	

General Chemistry

Analysis Batch: 302336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-100587-1	PSCS0828-2.5	Total/NA	Solid	Moisture	
500-100587-2	PSCS0828-5.0	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-100587-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (75-125)	BFB (75-120)	DBFM (75-120)	TOL (75-120)
500-100587-1	PSCS0828-2.5	88	96	87	102
500-100587-2	PSCS0828-5.0	90	97	91	102
500-100587-3	Trip Balnk	88	98	88	102
LB3 500-302265/10-A	Method Blank	90	99	89	103
LCS 500-302265/11-A	Lab Control Sample	83	99	92	105
LCS 500-302516/3	Lab Control Sample	88	100	94	100
MB 500-302516/6	Method Blank	91	99	92	102

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-302265/10-A
Matrix: Solid
Analysis Batch: 302516

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 302265

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		50	10	ug/Kg		08/30/15 12:00	09/01/15 12:42	50
1,1,2,2-Tetrachloroethane	<12		50	12	ug/Kg		08/30/15 12:00	09/01/15 12:42	50
Carbon tetrachloride	<13		50	13	ug/Kg		08/30/15 12:00	09/01/15 12:42	50
Chloroform	<10		50	10	ug/Kg		08/30/15 12:00	09/01/15 12:42	50
cis-1,2-Dichloroethene	<6.2		50	6.2	ug/Kg		08/30/15 12:00	09/01/15 12:42	50
Methylene Chloride	<34		250	34	ug/Kg		08/30/15 12:00	09/01/15 12:42	50
Tetrachloroethene	<8.4		50	8.4	ug/Kg		08/30/15 12:00	09/01/15 12:42	50
Trichloroethene	<9.3		25	9.3	ug/Kg		08/30/15 12:00	09/01/15 12:42	50
Vinyl chloride	<5.2		13	5.2	ug/Kg		08/30/15 12:00	09/01/15 12:42	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 125*	*08/30/15 12:00*	*09/01/15 12:42*	*50*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*	*08/30/15 12:00*	*09/01/15 12:42*	*50*
Dibromofluoromethane	*89*		*75 - 120*	*08/30/15 12:00*	*09/01/15 12:42*	*50*
Toluene-d8 (Surr)	*103*		*75 - 120*	*08/30/15 12:00*	*09/01/15 12:42*	*50*

Lab Sample ID: LCS 500-302265/11-A
Matrix: Solid
Analysis Batch: 302516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 302265

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2490		ug/Kg		100	70 - 125
1,1,2,2-Tetrachloroethane	2500	2280		ug/Kg		91	68 - 133
Carbon tetrachloride	2500	2580		ug/Kg		103	70 - 136
Chloroform	2500	2390		ug/Kg		96	70 - 120
cis-1,2-Dichloroethene	2500	2450		ug/Kg		98	70 - 120
Methylene Chloride	2500	2260		ug/Kg		91	70 - 120
Tetrachloroethene	2500	2670		ug/Kg		107	70 - 129
Trichloroethene	2500	2590		ug/Kg		104	70 - 122
Vinyl chloride	2500	2460		ug/Kg		98	63 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 125*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*
Dibromofluoromethane	*92*		*75 - 120*
Toluene-d8 (Surr)	*105*		*75 - 120*

Lab Sample ID: MB 500-302516/6
Matrix: Solid
Analysis Batch: 302516

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/Kg			09/01/15 12:15	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/Kg			09/01/15 12:15	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/Kg			09/01/15 12:15	1
Chloroform	<0.21		1.0	0.21	ug/Kg			09/01/15 12:15	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/Kg			09/01/15 12:15	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-302516/6
Matrix: Solid
Analysis Batch: 302516

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.68		5.0	0.68	ug/Kg			09/01/15 12:15	1
Tetrachloroethene	<0.17		1.0	0.17	ug/Kg			09/01/15 12:15	1
Trichloroethene	<0.19		0.50	0.19	ug/Kg			09/01/15 12:15	1
Vinyl chloride	<0.10		0.25	0.10	ug/Kg			09/01/15 12:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 125*		*09/01/15 12:15*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*		*09/01/15 12:15*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*09/01/15 12:15*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*09/01/15 12:15*	*1*

Lab Sample ID: LCS 500-302516/3
Matrix: Solid
Analysis Batch: 302516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	40.9		ug/Kg		82	70 - 125
1,1,2,2-Tetrachloroethane	50.0	40.6		ug/Kg		81	68 - 133
Carbon tetrachloride	50.0	42.3		ug/Kg		85	70 - 136
Chloroform	50.0	41.0		ug/Kg		82	70 - 120
cis-1,2-Dichloroethene	50.0	41.2		ug/Kg		82	70 - 120
Methylene Chloride	50.0	40.4		ug/Kg		81	70 - 120
Tetrachloroethene	50.0	41.9		ug/Kg		84	70 - 129
Trichloroethene	50.0	40.6		ug/Kg		81	70 - 122
Vinyl chloride	50.0	44.7		ug/Kg		89	63 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 125*
4-Bromofluorobenzene (Surr)	*100*		*75 - 120*
Dibromofluoromethane	*94*		*75 - 120*
Toluene-d8 (Surr)	*100*		*75 - 120*

Lab Chronicle

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-100587-1

Client Sample ID: PSCS0828-2.5 — **Lab Sample ID: 500-100587-1**
Date Collected: 08/28/15 12:05 — **Matrix: Solid**
Date Received: 08/29/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	302336	08/31/15 09:07	LWN	TAL CHI

Client Sample ID: PSCS0828-2.5 — **Lab Sample ID: 500-100587-1**
Date Collected: 08/28/15 12:05 — **Matrix: Solid**
Date Received: 08/29/15 09:40 — **Percent Solids: 88.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			302270	08/30/15 13:32	WRE	TAL CHI
Total/NA	Analysis	8260B		50	302516	09/01/15 13:36	PMF	TAL CHI

Client Sample ID: PSCS0828-5.0 — **Lab Sample ID: 500-100587-2**
Date Collected: 08/28/15 12:35 — **Matrix: Solid**
Date Received: 08/29/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	302336	08/31/15 09:07	LWN	TAL CHI

Client Sample ID: PSCS0828-5.0 — **Lab Sample ID: 500-100587-2**
Date Collected: 08/28/15 12:35 — **Matrix: Solid**
Date Received: 08/29/15 09:40 — **Percent Solids: 88.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			302270	08/30/15 13:32	WRE	TAL CHI
Total/NA	Analysis	8260B		50	302516	09/01/15 14:03	PMF	TAL CHI

Client Sample ID: Trip Balnk — **Lab Sample ID: 500-100587-3**
Date Collected: 08/28/15 00:00 — **Matrix: Solid**
Date Received: 08/29/15 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			302265	08/28/15 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	302516	09/01/15 13:09	PMF	TAL CHI

Laboratory References:
TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-100587-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-16

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-100587

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler: 5.5

(optional) Report To	(optional) Bill To
Contact: LORI HUNTOON	Contact:
Company: HUNTOON ENV. CONSULTING	Company:
Address: P.O. BOX 259927	Address:
Address: MADISON WI 53725	Address: GAMES
Phone: 608. 886. 7245	Phone:
Fax:	Fax:
E-Mail: lorihuntoonpg@gmail.com	PO#/Reference#

Client: GSH | Client Project #: 2015-13

Project Name: EXPRESS CLEANERS (former)

Project Location/State: RACINE, WI | Lab Project #:

Sampler: LW | Lab PM:

Preservative: MeOH

Parameter: CVOCs

Preservative Key: 1 4° | 2 to 4° | 3 to 4° | 4 to 4° | 5 to 4° | 6 to 4°

500-100587 COC

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	CVOCs	Comments
1		PSCS0828-2.5	08/28/15	12:05	2	S	X	
2		PSCS0828-5.0	08/28/15	12:35	2	S	X	
3		TRIP BLANK	—	—	2	O		

Turnaround Time Required (Business Days)
1 Day 2 Days 5 Days 7 Days 10 Days 15 Days 3 BUS. Other

Requested Due Date:

Sample Disposal: Return to Client | X Disposal by Lab | Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	HEL	08.28.15	13:15		TA-CHI	08/29/15	09:40

Lab Courier:
Shipped: TA-CHI
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments: TURN AROUND = 3 BUSINESS DAYS — THANKS!

Lab Comments:

9/2/2015

500-100587 Waybill

FedEx Express Package US Airbill

FedEx Tracking Number 8089 0326 2504

Form ID No. 0215

1 From

Date 08.28.15

Sender's Name LORI HUNTOON Phone 608 886-7245

Company HUNTOON ENV. CONSULTING

Address P.O. BOX 259927

City MADISON State WI ZIP 53725

Dept./Floor/Suite/Room

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE RECEIPT Phone 708 534-5200

Company TESTAMERICA CHICAGO

Address 2417 BOND ST

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

HOLD Weekday FedEx location / REQUIRED, NOT FedEx First Overnight

Address

Use this line for the HOLD location address or for continuation of your shipping address.

HOLD Saturday FedEx location / REQUIRED, NOT FedEx First Overnight

City UNIVERSITY PARK State IL ZIP 60484

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day

- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [X] Other

6 Special Handling and Delivery Signature Options

- [X] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

- [ ] Yes — Shipper's Declaration not required. Dry ice, 9, UN 1845 — Cargo Aircraft Only
- [ ] No — Packed in FedEx packaging

Obtain recip. Acct. No.

- [ ] Credit Card
- [ ] Cash/Check

fedex.com 1.800.GoFedEx 1.800.463.3339

8089 0326 2504

ORD 60484 IL-US 01

12:00P PRIORITY OVERNIGHT

Login Sample Receipt Checklist

Client: Huntoon Environmental Consulting

Job Number: 500-100587-1

Login Number: 100587
List Number: 1
Creator: Sanchez, Ariel M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-101187-1
Client Project/Site: Express Cleaners (Former) 2015-13

For:
Huntoon Environmental Consulting
PO BOX 259927
Madison, Wisconsin 53725

Attn: Lori Huntoon

Sandie Fredrick

Authorized for release by:
9/28/2015 8:00:15 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Table of Contents

Case Narrative

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101187-1

Job ID: 500-101187-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-101187-1

Comments
No additional comments.

Receipt
The samples were received on 9/15/2015 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 8.1° C.

Receipt Exceptions
The following sample(s) was received at the laboratory outside the required temperature criteria: 8.1 had a couple bags of melted ice

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

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

Detection Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101187-1

Client Sample ID: PS2-PRE

Lab Sample ID: 500-101187-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	44	J	60	7.4	ug/Kg	50	☼	8260B	Total/NA
Trichloroethene	200		30	11	ug/Kg	50	☼	8260B	Total/NA
Tetrachloroethene - DL	47000		600	100	ug/Kg	500	☼	8260B	Total/NA

Client Sample ID: PS2-POST

Lab Sample ID: 500-101187-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	5100		65	11	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-101187-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101187-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101187-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-101187-1	PS2-PRE	Solid	09/14/15 10:05	09/15/15 10:00
500-101187-2	PS2-POST	Solid	09/14/15 11:15	09/15/15 10:00
500-101187-3	Trip Blank	Solid	09/14/15 00:00	09/15/15 10:00

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101187-1

Client Sample ID: PS2-PRE
Date Collected: 09/14/15 10:05
Date Received: 09/15/15 10:00

Lab Sample ID: 500-101187-1
Matrix: Solid
Percent Solids: 91.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<12		60	12	ug/Kg	☼	09/14/15 10:05	09/18/15 18:52	50
1,1,2,2-Tetrachloroethane	<14		60	14	ug/Kg	☼	09/14/15 10:05	09/18/15 18:52	50
Carbon tetrachloride	<15		60	15	ug/Kg	☼	09/14/15 10:05	09/18/15 18:52	50
Chloroform	<12		60	12	ug/Kg	☼	09/14/15 10:05	09/18/15 18:52	50
cis-1,2-Dichloroethene	**44**	**J**	60	7.4	ug/Kg	☼	09/14/15 10:05	09/18/15 18:52	50
Methylene Chloride	<41		300	41	ug/Kg	☼	09/14/15 10:05	09/18/15 18:52	50
Trichloroethene	**200**		30	11	ug/Kg	☼	09/14/15 10:05	09/18/15 18:52	50
Vinyl chloride	<6.2		30	6.2	ug/Kg	☼	09/14/15 10:05	09/18/15 18:52	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 125*	*09/14/15 10:05*	*09/18/15 18:52*	*50*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*	*09/14/15 10:05*	*09/18/15 18:52*	*50*
Dibromofluoromethane	*109*		*75 - 120*	*09/14/15 10:05*	*09/18/15 18:52*	*50*
Toluene-d8 (Surr)	*104*		*75 - 120*	*09/14/15 10:05*	*09/18/15 18:52*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**47000**		600	100	ug/Kg	☼	09/14/15 10:05	09/21/15 11:52	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 125*	*09/14/15 10:05*	*09/21/15 11:52*	*500*
4-Bromofluorobenzene (Surr)	*88*		*75 - 120*	*09/14/15 10:05*	*09/21/15 11:52*	*500*
Dibromofluoromethane	*105*		*75 - 120*	*09/14/15 10:05*	*09/21/15 11:52*	*500*
Toluene-d8 (Surr)	*105*		*75 - 120*	*09/14/15 10:05*	*09/21/15 11:52*	*500*

Client Sample ID: PS2-POST
Date Collected: 09/14/15 11:15
Date Received: 09/15/15 10:00

Lab Sample ID: 500-101187-2
Matrix: Solid
Percent Solids: 87.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<13		65	13	ug/Kg	☼	09/16/15 00:35	09/18/15 18:24	50
1,1,2,2-Tetrachloroethane	<15		65	15	ug/Kg	☼	09/16/15 00:35	09/18/15 18:24	50
Carbon tetrachloride	<17		65	17	ug/Kg	☼	09/16/15 00:35	09/18/15 18:24	50
Chloroform	<13		65	13	ug/Kg	☼	09/16/15 00:35	09/18/15 18:24	50
cis-1,2-Dichloroethene	<8.0		65	8.0	ug/Kg	☼	09/16/15 00:35	09/18/15 18:24	50
Methylene Chloride	<44		320	44	ug/Kg	☼	09/16/15 00:35	09/18/15 18:24	50
Tetrachloroethene	**5100**		65	11	ug/Kg	☼	09/16/15 00:35	09/18/15 18:24	50
Trichloroethene	<12		32	12	ug/Kg	☼	09/16/15 00:35	09/18/15 18:24	50
Vinyl chloride	<6.7		32	6.7	ug/Kg	☼	09/16/15 00:35	09/18/15 18:24	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 125*	*09/16/15 00:35*	*09/18/15 18:24*	*50*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*	*09/16/15 00:35*	*09/18/15 18:24*	*50*
Dibromofluoromethane	*108*		*75 - 120*	*09/16/15 00:35*	*09/18/15 18:24*	*50*
Toluene-d8 (Surr)	*104*		*75 - 120*	*09/16/15 00:35*	*09/18/15 18:24*	*50*

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101187-1

Client Sample ID: Trip Blank
Date Collected: 09/14/15 00:00
Date Received: 09/15/15 10:00

Lab Sample ID: 500-101187-3
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		50	10	ug/Kg		09/14/15 00:00	09/18/15 17:57	50
1,1,2,2-Tetrachloroethane	<12		50	12	ug/Kg		09/14/15 00:00	09/18/15 17:57	50
Carbon tetrachloride	<13		50	13	ug/Kg		09/14/15 00:00	09/18/15 17:57	50
Chloroform	<10		50	10	ug/Kg		09/14/15 00:00	09/18/15 17:57	50
cis-1,2-Dichloroethene	<6.2		50	6.2	ug/Kg		09/14/15 00:00	09/18/15 17:57	50
Methylene Chloride	<34		250	34	ug/Kg		09/14/15 00:00	09/18/15 17:57	50
Tetrachloroethene	<8.4		50	8.4	ug/Kg		09/14/15 00:00	09/18/15 17:57	50
Trichloroethene	<9.3		25	9.3	ug/Kg		09/14/15 00:00	09/18/15 17:57	50
Vinyl chloride	<5.2		25	5.2	ug/Kg		09/14/15 00:00	09/18/15 17:57	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 125*	*09/14/15 00:00*	*09/18/15 17:57*	*50*
4-Bromofluorobenzene (Surr)	*86*		*75 - 120*	*09/14/15 00:00*	*09/18/15 17:57*	*50*
Dibromofluoromethane	*108*		*75 - 120*	*09/14/15 00:00*	*09/18/15 17:57*	*50*
Toluene-d8 (Surr)	*104*		*75 - 120*	*09/14/15 00:00*	*09/18/15 17:57*	*50*

Definitions/Glossary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101187-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

QC Association Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101187-1

GC/MS VOA

Prep Batch: 304443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-101187-1	PS2-PRE	Total/NA	Solid	5035	
500-101187-1 - DL	PS2-PRE	Total/NA	Solid	5035	
500-101187-2	PS2-POST	Total/NA	Solid	5035	
500-101187-3	Trip Blank	Total/NA	Solid	5035	
LB3 500-304443/19-A	Method Blank	Total/NA	Solid	5035	
LCS 500-304443/20-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 304640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-304443/19-A	Method Blank	Total/NA	Solid	8260B	304443
LCS 500-304443/20-A	Lab Control Sample	Total/NA	Solid	8260B	304443
LCS 500-304640/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-304640/8	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 304821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-101187-1	PS2-PRE	Total/NA	Solid	8260B	304443
500-101187-2	PS2-POST	Total/NA	Solid	8260B	304443
500-101187-3	Trip Blank	Total/NA	Solid	8260B	304443
LCS 500-304821/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-304821/6	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 305057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-101187-1 - DL	PS2-PRE	Total/NA	Solid	8260B	304443
LCS 500-305057/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-305057/7	Method Blank	Total/NA	Solid	8260B	

General Chemistry

Analysis Batch: 304356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-101187-1	PS2-PRE	Total/NA	Solid	Moisture	
500-101187-2	PS2-POST	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101187-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-125)	(75-120)	(75-120)	(75-120)
500-101187-1	PS2-PRE	109	86	109	104
500-101187-1 - DL	PS2-PRE	107	88	105	105
500-101187-2	PS2-POST	110	86	108	104
500-101187-3	Trip Blank	108	86	108	104
LB3 500-304443/19-A	Method Blank	105	100	101	106
LCS 500-304443/20-A	Lab Control Sample	101	95	103	107
LCS 500-304640/5	Lab Control Sample	100	96	102	108
LCS 500-304821/4	Lab Control Sample	96	104	95	100
LCS 500-305057/5	Lab Control Sample	93	104	95	103
MB 500-304640/8	Method Blank	103	98	103	105
MB 500-304821/6	Method Blank	106	90	106	105
MB 500-305057/7	Method Blank	101	89	104	106

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-304443/19-A
Matrix: Solid
Analysis Batch: 304640

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 304443

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		50	10	ug/Kg		09/15/15 23:55	09/17/15 11:34	50
1,1,2,2-Tetrachloroethane	<12		50	12	ug/Kg		09/15/15 23:55	09/17/15 11:34	50
Carbon tetrachloride	<13		50	13	ug/Kg		09/15/15 23:55	09/17/15 11:34	50
Chloroform	<10		50	10	ug/Kg		09/15/15 23:55	09/17/15 11:34	50
cis-1,2-Dichloroethene	<6.2		50	6.2	ug/Kg		09/15/15 23:55	09/17/15 11:34	50
Methylene Chloride	<34		250	34	ug/Kg		09/15/15 23:55	09/17/15 11:34	50
Tetrachloroethene	<8.4		50	8.4	ug/Kg		09/15/15 23:55	09/17/15 11:34	50
Trichloroethene	<9.3		25	9.3	ug/Kg		09/15/15 23:55	09/17/15 11:34	50
Vinyl chloride	<5.2		25	5.2	ug/Kg		09/15/15 23:55	09/17/15 11:34	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 125*	*09/15/15 23:55*	*09/17/15 11:34*	*50*
4-Bromofluorobenzene (Surr)	*100*		*75 - 120*	*09/15/15 23:55*	*09/17/15 11:34*	*50*
Dibromofluoromethane	*101*		*75 - 120*	*09/15/15 23:55*	*09/17/15 11:34*	*50*
Toluene-d8 (Surr)	*106*		*75 - 120*	*09/15/15 23:55*	*09/17/15 11:34*	*50*

Lab Sample ID: LCS 500-304443/20-A
Matrix: Solid
Analysis Batch: 304640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 304443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2600		ug/Kg		104	70 - 125
1,1,2,2-Tetrachloroethane	2500	1950		ug/Kg		78	68 - 133
Carbon tetrachloride	2500	2670		ug/Kg		107	70 - 136
Chloroform	2500	2540		ug/Kg		101	70 - 120
cis-1,2-Dichloroethene	2500	2560		ug/Kg		102	70 - 120
Methylene Chloride	2500	2450		ug/Kg		98	70 - 120
Tetrachloroethene	2500	2690		ug/Kg		108	70 - 129
Trichloroethene	2500	2570		ug/Kg		103	70 - 122
Vinyl chloride	2500	2360		ug/Kg		94	63 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 125*
4-Bromofluorobenzene (Surr)	*95*		*75 - 120*
Dibromofluoromethane	*103*		*75 - 120*
Toluene-d8 (Surr)	*107*		*75 - 120*

Lab Sample ID: MB 500-304640/8
Matrix: Solid
Analysis Batch: 304640

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/Kg			09/17/15 11:10	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/Kg			09/17/15 11:10	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/Kg			09/17/15 11:10	1
Chloroform	<0.21		1.0	0.21	ug/Kg			09/17/15 11:10	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/Kg			09/17/15 11:10	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-304640/8
Matrix: Solid
Analysis Batch: 304640

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<0.68		5.0	0.68	ug/Kg			09/17/15 11:10	1
Tetrachloroethene	<0.17		1.0	0.17	ug/Kg			09/17/15 11:10	1
Trichloroethene	<0.19		0.50	0.19	ug/Kg			09/17/15 11:10	1
Vinyl chloride	<0.10		0.50	0.10	ug/Kg			09/17/15 11:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 125*		*09/17/15 11:10*	*1*
4-Bromofluorobenzene (Surr)	*98*		*75 - 120*		*09/17/15 11:10*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*09/17/15 11:10*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*09/17/15 11:10*	*1*

Lab Sample ID: LCS 500-304640/5
Matrix: Solid
Analysis Batch: 304640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	45.4		ug/Kg		91	70 - 125
1,1,2,2-Tetrachloroethane	50.0	34.7		ug/Kg		69	68 - 133
Carbon tetrachloride	50.0	46.5		ug/Kg		93	70 - 136
Chloroform	50.0	44.1		ug/Kg		88	70 - 120
cis-1,2-Dichloroethene	50.0	44.4		ug/Kg		89	70 - 120
Methylene Chloride	50.0	42.3		ug/Kg		85	70 - 120
Tetrachloroethene	50.0	47.3		ug/Kg		95	70 - 129
Trichloroethene	50.0	44.2		ug/Kg		88	70 - 122
Vinyl chloride	50.0	49.0		ug/Kg		98	63 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 125*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*
Dibromofluoromethane	*102*		*75 - 120*
Toluene-d8 (Surr)	*108*		*75 - 120*

Lab Sample ID: MB 500-304821/6
Matrix: Solid
Analysis Batch: 304821

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/Kg			09/18/15 11:29	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/Kg			09/18/15 11:29	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/Kg			09/18/15 11:29	1
Chloroform	<0.21		1.0	0.21	ug/Kg			09/18/15 11:29	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/Kg			09/18/15 11:29	1
Methylene Chloride	<0.68		5.0	0.68	ug/Kg			09/18/15 11:29	1
Tetrachloroethene	<0.17		1.0	0.17	ug/Kg			09/18/15 11:29	1
Trichloroethene	<0.19		0.50	0.19	ug/Kg			09/18/15 11:29	1
Vinyl chloride	<0.10		0.50	0.10	ug/Kg			09/18/15 11:29	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-304821/6
Matrix: Solid
Analysis Batch: 304821

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 125*		*09/18/15 11:29*	*1*
4-Bromofluorobenzene (Surr)	*90*		*75 - 120*		*09/18/15 11:29*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*09/18/15 11:29*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*09/18/15 11:29*	*1*

Lab Sample ID: LCS 500-304821/4
Matrix: Solid
Analysis Batch: 304821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	41.6		ug/Kg		83	70 - 125
1,1,2,2-Tetrachloroethane	50.0	57.9		ug/Kg		116	68 - 133
Carbon tetrachloride	50.0	43.1		ug/Kg		86	70 - 136
Chloroform	50.0	44.2		ug/Kg		88	70 - 120
cis-1,2-Dichloroethene	50.0	47.3		ug/Kg		95	70 - 120
Methylene Chloride	50.0	50.1		ug/Kg		100	70 - 120
Tetrachloroethene	50.0	49.1		ug/Kg		98	70 - 129
Trichloroethene	50.0	47.1		ug/Kg		94	70 - 122
Vinyl chloride	50.0	48.0		ug/Kg		96	63 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 125*
4-Bromofluorobenzene (Surr)	*104*		*75 - 120*
Dibromofluoromethane	*95*		*75 - 120*
Toluene-d8 (Surr)	*100*		*75 - 120*

Lab Sample ID: MB 500-305057/7
Matrix: Solid
Analysis Batch: 305057

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/Kg			09/21/15 10:29	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/Kg			09/21/15 10:29	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/Kg			09/21/15 10:29	1
Chloroform	<0.21		1.0	0.21	ug/Kg			09/21/15 10:29	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/Kg			09/21/15 10:29	1
Methylene Chloride	<0.68		5.0	0.68	ug/Kg			09/21/15 10:29	1
Tetrachloroethene	<0.17		1.0	0.17	ug/Kg			09/21/15 10:29	1
Trichloroethene	<0.19		0.50	0.19	ug/Kg			09/21/15 10:29	1
Vinyl chloride	<0.10		0.50	0.10	ug/Kg			09/21/15 10:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 125*		*09/21/15 10:29*	*1*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*09/21/15 10:29*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*09/21/15 10:29*	*1*
Toluene-d8 (Surr)	*106*		*75 - 120*		*09/21/15 10:29*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-305057/5
Matrix: Solid
Analysis Batch: 305057

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	41.7		ug/Kg		83	70 - 125
1,1,2,2-Tetrachloroethane	50.0	53.9		ug/Kg		108	68 - 133
Carbon tetrachloride	50.0	42.2		ug/Kg		84	70 - 136
Chloroform	50.0	42.9		ug/Kg		86	70 - 120
cis-1,2-Dichloroethene	50.0	46.2		ug/Kg		92	70 - 120
Methylene Chloride	50.0	49.1		ug/Kg		98	70 - 120
Tetrachloroethene	50.0	49.2		ug/Kg		98	70 - 129
Trichloroethene	50.0	46.3		ug/Kg		93	70 - 122
Vinyl chloride	50.0	52.6		ug/Kg		105	63 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 125*
4-Bromofluorobenzene (Surr)	*104*		*75 - 120*
Dibromofluoromethane	*95*		*75 - 120*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Chronicle

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101187-1

Client Sample ID: PS2-PRE

Lab Sample ID: 500-101187-1
Date Collected: 09/14/15 10:05
Matrix: Solid
Date Received: 09/15/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	304356	09/15/15 15:23	LWN	TAL CHI

Client Sample ID: PS2-PRE

Lab Sample ID: 500-101187-1
Date Collected: 09/14/15 10:05
Matrix: Solid
Date Received: 09/15/15 10:00
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			304443	09/14/15 10:05	WRE	TAL CHI
Total/NA	Analysis	8260B		50	304821	09/18/15 18:52	EMA	TAL CHI
Total/NA	Prep	5035	DL		304443	09/14/15 10:05	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	500	305057	09/21/15 11:52	TCT	TAL CHI

Client Sample ID: PS2-POST

Lab Sample ID: 500-101187-2
Date Collected: 09/14/15 11:15
Matrix: Solid
Date Received: 09/15/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	304356	09/15/15 15:23	LWN	TAL CHI

Client Sample ID: PS2-POST

Lab Sample ID: 500-101187-2
Date Collected: 09/14/15 11:15
Matrix: Solid
Date Received: 09/15/15 10:00
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			304443	09/16/15 00:35	WRE	TAL CHI
Total/NA	Analysis	8260B		50	304821	09/18/15 18:24	EMA	TAL CHI

Client Sample ID: Trip Blank

Lab Sample ID: 500-101187-3
Date Collected: 09/14/15 00:00
Matrix: Solid
Date Received: 09/15/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			304443	09/14/15 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	304821	09/18/15 17:57	EMA	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101187-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-16

Analysis Method	Prep Method	Matrix	Analyte

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-101187
Chain of Custody Number:
Page 1 of 1
Temperature °C of Cooler: 8.1

(optional) Report To	(optional) Bill To
Contact: LORI HUNTOON	Contact:
Company: HUNTOON ENV. CONSULT LLC	Company:
Address: P.O. BOX 259927	Address:
Address: MADISON WI 53725	Address:
Phone: 608.886.7245	Phone:
Fax:	Fax:
E-Mail: lorihuntoon@gmail.com	PO#/Reference#

Client: GSH	Client Project #: 2015-13
Project Name: EXPRESS CLEANERS (former)	Preservative: J
Project Location/State: RACINE, WI	Parameter: CVOCs
Sampler: LeH	Lab Project #:
	Lab PM:

Preservative Key: 1 to 4°, 2 Cool to 4°, 3 ool to 4°, 4 ol to 4°, 5 Cool to 4°

500-101187 COC

9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Comments
1		PS2-PRE	9/14/15	1005	2	S	X
2		PS2-POST	9/14/15	1115	2	S	X
3		TRIP BLANK			2	O	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date

Sample Disposal: [ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	HRL	9/14/15			TA-CHI	09/15/15	1000
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: FedEx
Hand Delivered:

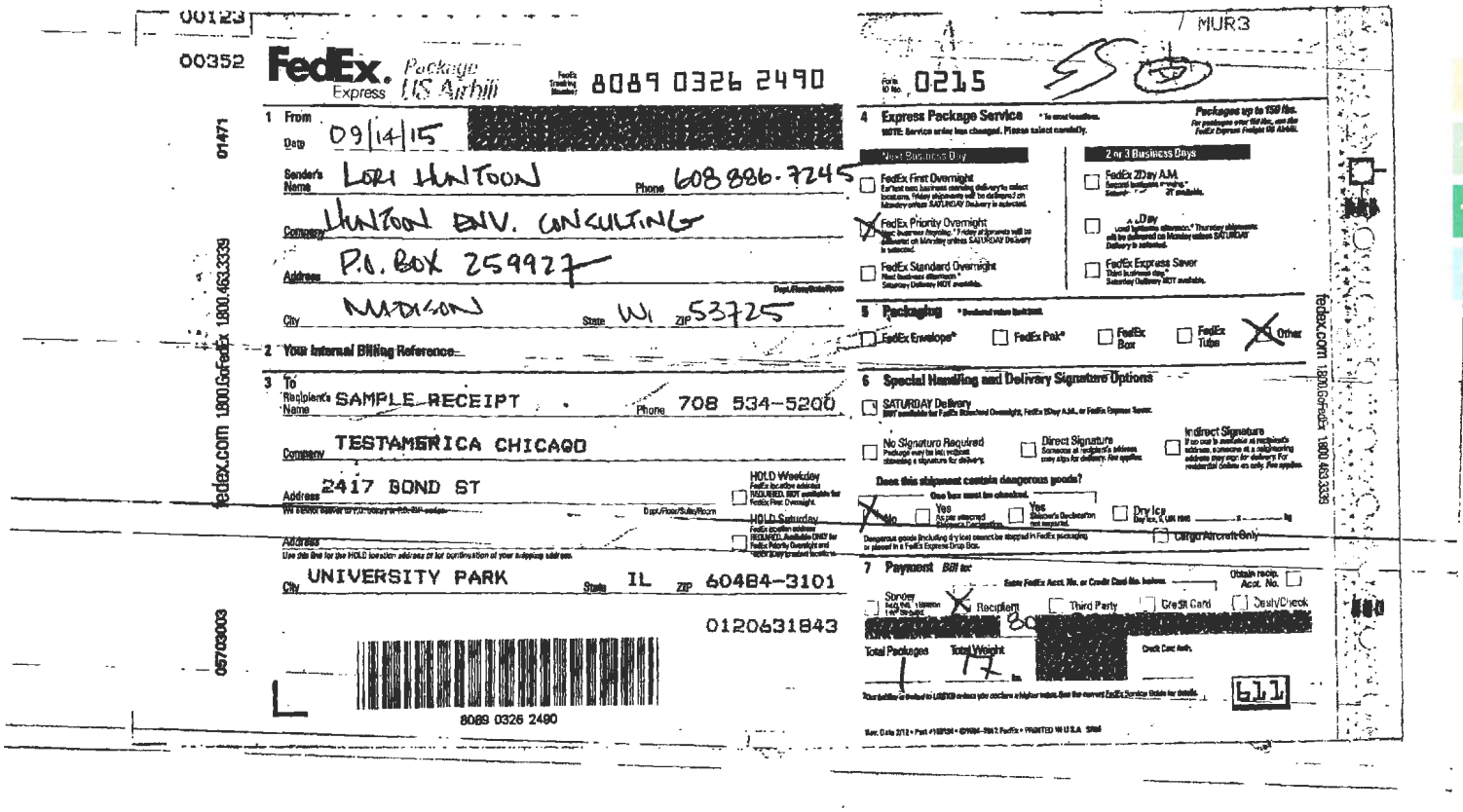
Matrix Key
WW – Wastewater, W – Water, S – Soil, SL – Sludge, MS – Miscellaneous, OL – Oil, A – Air
SE – Sediment, SO – Soil, L – Leachate, WI – Wipe, DW – Drinking Water, O – Other

Client Comments: regular turnaround time - thx.

Lab Comments:

TAL-4124-600 (1209)

500-101187 Waybill



Login Sample Receipt Checklist

Client: Huntoon Environmental Consulting

Job Number: 500-101187-1

Login Number: 101187
List Number: 1
Creator: Sanchez, Ariel M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	On ICE
Cooler Temperature is recorded.	True	8.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-101801-1
Client Project/Site: Express Cleaners (Former) 2015-13

For:
Huntoon Environmental Consulting
PO BOX 259927
Madison, Wisconsin 53725

Attn: Lori Huntoon

Sandie Fredrick

Authorized for release by:
10/1/2015 4:32:12 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

LINKS

Review your project results through TotalAccess

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Table of Contents

Case Narrative

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101801-1

Job ID: 500-101801-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-101801-1

Comments
No additional comments.

Receipt
The samples were received on 9/29/2015 10:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 9.1° C.

Receipt Exceptions
Samples 1-3 are filled with ~30g of soil, in 10ml of MeOH. PSCS 0928-2.5 (500-101801-1), PSCS 0928-5.0 (500-101801-2), PS2-2WK (500-101801-3)

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

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

Detection Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101801-1

Client Sample ID: PSCS 0928-2.5

Lab Sample ID: 500-101801-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	12000		65	11	ug/Kg	50	☼	8260B	Total/NA
Trichloroethene	52		33	12	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: PSCS 0928-5.0

Lab Sample ID: 500-101801-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	9000		65	11	ug/Kg	50	☼	8260B	Total/NA
Trichloroethene	40		32	12	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: PS2-2WK

Lab Sample ID: 500-101801-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	4200		63	11	ug/Kg	50	☼	8260B	Total/NA
Trichloroethene	16	J	31	12	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-101801-4

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101801-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101801-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-101801-1	PSCS 0928-2.5	Solid	09/28/15 14:15	09/29/15 10:05
500-101801-2	PSCS 0928-5.0	Solid	09/28/15 14:55	09/29/15 10:05
500-101801-3	PS2-2WK	Solid	09/28/15 15:15	09/29/15 10:05
500-101801-4	TRIP BLANK	Solid	09/28/15 00:00	09/29/15 10:05

Client Sample Results

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101801-1

Client Sample ID: PSCS 0928-2.5
Date Collected: 09/28/15 14:15
Date Received: 09/29/15 10:05

Lab Sample ID: 500-101801-1
Matrix: Solid
Percent Solids: 86.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<13		65	13	ug/Kg	☼	09/28/15 14:15	09/30/15 12:16	50
1,1,2,2-Tetrachloroethane	<15		65	15	ug/Kg	☼	09/28/15 14:15	09/30/15 12:16	50
Carbon tetrachloride	<17		65	17	ug/Kg	☼	09/28/15 14:15	09/30/15 12:16	50
Chloroform	<13		65	13	ug/Kg	☼	09/28/15 14:15	09/30/15 12:16	50
cis-1,2-Dichloroethene	<8.0		65	8.0	ug/Kg	☼	09/28/15 14:15	09/30/15 12:16	50
Methylene Chloride	<44		330	44	ug/Kg	☼	09/28/15 14:15	09/30/15 12:16	50
Tetrachloroethene	**12000**		65	11	ug/Kg	☼	09/28/15 14:15	09/30/15 12:16	50
Trichloroethene	**52**		33	12	ug/Kg	☼	09/28/15 14:15	09/30/15 12:16	50
Vinyl chloride	<6.8		33	6.8	ug/Kg	☼	09/28/15 14:15	09/30/15 12:16	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 125*	*09/28/15 14:15*	*09/30/15 12:16*	*50*
4-Bromofluorobenzene (Surr)	*103*		*75 - 120*	*09/28/15 14:15*	*09/30/15 12:16*	*50*
Dibromofluoromethane	*92*		*75 - 120*	*09/28/15 14:15*	*09/30/15 12:16*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*09/28/15 14:15*	*09/30/15 12:16*	*50*

Client Sample ID: PSCS 0928-5.0
Lab Sample ID: 500-101801-2
Date Collected: 09/28/15 14:55
Matrix: Solid
Date Received: 09/29/15 10:05
Percent Solids: 87.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<13		65	13	ug/Kg	☼	09/28/15 14:55	09/30/15 12:42	50
1,1,2,2-Tetrachloroethane	<15		65	15	ug/Kg	☼	09/28/15 14:55	09/30/15 12:42	50
Carbon tetrachloride	<17		65	17	ug/Kg	☼	09/28/15 14:55	09/30/15 12:42	50
Chloroform	<13		65	13	ug/Kg	☼	09/28/15 14:55	09/30/15 12:42	50
cis-1,2-Dichloroethene	<8.0		65	8.0	ug/Kg	☼	09/28/15 14:55	09/30/15 12:42	50
Methylene Chloride	<44		320	44	ug/Kg	☼	09/28/15 14:55	09/30/15 12:42	50
Tetrachloroethene	**9000**		65	11	ug/Kg	☼	09/28/15 14:55	09/30/15 12:42	50
Trichloroethene	**40**		32	12	ug/Kg	☼	09/28/15 14:55	09/30/15 12:42	50
Vinyl chloride	<6.7		32	6.7	ug/Kg	☼	09/28/15 14:55	09/30/15 12:42	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 125*	*09/28/15 14:55*	*09/30/15 12:42*	*50*
4-Bromofluorobenzene (Surr)	*100*		*75 - 120*	*09/28/15 14:55*	*09/30/15 12:42*	*50*
Dibromofluoromethane	*92*		*75 - 120*	*09/28/15 14:55*	*09/30/15 12:42*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*09/28/15 14:55*	*09/30/15 12:42*	*50*

Client Sample Results

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101801-1

Client Sample ID: PS2-2WK
Date Collected: 09/28/15 15:15
Date Received: 09/29/15 10:05

Lab Sample ID: 500-101801-3
Matrix: Solid
Percent Solids: 88.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<13		63	13	ug/Kg	☼	09/28/15 15:15	09/30/15 13:09	50
1,1,2,2-Tetrachloroethane	<15		63	15	ug/Kg	☼	09/28/15 15:15	09/30/15 13:09	50
Carbon tetrachloride	<16		63	16	ug/Kg	☼	09/28/15 15:15	09/30/15 13:09	50
Chloroform	<13		63	13	ug/Kg	☼	09/28/15 15:15	09/30/15 13:09	50
cis-1,2-Dichloroethene	<7.7		63	7.7	ug/Kg	☼	09/28/15 15:15	09/30/15 13:09	50
Methylene Chloride	<43		310	43	ug/Kg	☼	09/28/15 15:15	09/30/15 13:09	50
Tetrachloroethene	**4200**		63	11	ug/Kg	☼	09/28/15 15:15	09/30/15 13:09	50
Trichloroethene	**16**	**J**	31	12	ug/Kg	☼	09/28/15 15:15	09/30/15 13:09	50
Vinyl chloride	<6.5		31	6.5	ug/Kg	☼	09/28/15 15:15	09/30/15 13:09	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 125*	*09/28/15 15:15*	*09/30/15 13:09*	*50*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*	*09/28/15 15:15*	*09/30/15 13:09*	*50*
Dibromofluoromethane	*93*		*75 - 120*	*09/28/15 15:15*	*09/30/15 13:09*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*09/28/15 15:15*	*09/30/15 13:09*	*50*

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101801-1

Client Sample ID: TRIP BLANK
Date Collected: 09/28/15 00:00
Date Received: 09/29/15 10:05

Lab Sample ID: 500-101801-4
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		50	10	ug/Kg		09/28/15 00:00	09/30/15 11:49	50
1,1,2,2-Tetrachloroethane	<12		50	12	ug/Kg		09/28/15 00:00	09/30/15 11:49	50
Carbon tetrachloride	<13		50	13	ug/Kg		09/28/15 00:00	09/30/15 11:49	50
Chloroform	<10		50	10	ug/Kg		09/28/15 00:00	09/30/15 11:49	50
cis-1,2-Dichloroethene	<6.2		50	6.2	ug/Kg		09/28/15 00:00	09/30/15 11:49	50
Methylene Chloride	<34		250	34	ug/Kg		09/28/15 00:00	09/30/15 11:49	50
Tetrachloroethene	<8.4		50	8.4	ug/Kg		09/28/15 00:00	09/30/15 11:49	50
Trichloroethene	<9.3		25	9.3	ug/Kg		09/28/15 00:00	09/30/15 11:49	50
Vinyl chloride	<5.2		25	5.2	ug/Kg		09/28/15 00:00	09/30/15 11:49	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 125*	*09/28/15 00:00*	*09/30/15 11:49*	*50*
4-Bromofluorobenzene (Surr)	*101*		*75 - 120*	*09/28/15 00:00*	*09/30/15 11:49*	*50*
Dibromofluoromethane	*93*		*75 - 120*	*09/28/15 00:00*	*09/30/15 11:49*	*50*
Toluene-d8 (Surr)	*103*		*75 - 120*	*09/28/15 00:00*	*09/30/15 11:49*	*50*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

QC Association Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101801-1

GC/MS VOA

Prep Batch: 306306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-101801-1	PSCS 0928-2.5	Total/NA	Solid	5035	
500-101801-2	PSCS 0928-5.0	Total/NA	Solid	5035	
500-101801-3	PS2-2WK	Total/NA	Solid	5035	
500-101801-3 MS	PS2-2WK	Total/NA	Solid	5035	
500-101801-3 MSD	PS2-2WK	Total/NA	Solid	5035	
500-101801-4	TRIP BLANK	Total/NA	Solid	5035	
LB3 500-306306/6-A	Method Blank	Total/NA	Solid	5035	
LCS 500-306306/7-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 306338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-101801-1	PSCS 0928-2.5	Total/NA	Solid	8260B	306306
500-101801-2	PSCS 0928-5.0	Total/NA	Solid	8260B	306306
500-101801-3	PS2-2WK	Total/NA	Solid	8260B	306306
500-101801-3 MS	PS2-2WK	Total/NA	Solid	8260B	306306
500-101801-3 MSD	PS2-2WK	Total/NA	Solid	8260B	306306
500-101801-4	TRIP BLANK	Total/NA	Solid	8260B	306306
LB3 500-306306/6-A	Method Blank	Total/NA	Solid	8260B	306306
LCS 500-306306/7-A	Lab Control Sample	Total/NA	Solid	8260B	306306
LCS 500-306338/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-306338/7	Method Blank	Total/NA	Solid	8260B	

General Chemistry

Analysis Batch: 306390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-101801-1	PSCS 0928-2.5	Total/NA	Solid	Moisture	
500-101801-2	PSCS 0928-5.0	Total/NA	Solid	Moisture	
500-101801-3	PS2-2WK	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101801-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (75-125)	BFB (75-120)	DBFM (75-120)	TOL (75-120)
500-101801-1	PSCS 0928-2.5	107	103	92	102
500-101801-2	PSCS 0928-5.0	107	100	92	102
500-101801-3	PS2-2WK	109	101	93	102
500-101801-3 MS	PS2-2WK	108	99	97	103
500-101801-3 MSD	PS2-2WK	106	99	99	103
500-101801-4	TRIP BLANK	105	101	93	103
LB3 500-306306/6-A	Method Blank	104	103	92	103
LCS 500-306306/7-A	Lab Control Sample	103	100	96	105
LCS 500-306338/4	Lab Control Sample	101	100	93	106
MB 500-306338/7	Method Blank	105	102	91	104

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-306306/6-A
Matrix: Solid
Analysis Batch: 306338

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306306

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		50	10	ug/Kg		09/29/15 23:10	09/30/15 11:22	50
1,1,2,2-Tetrachloroethane	<12		50	12	ug/Kg		09/29/15 23:10	09/30/15 11:22	50
Carbon tetrachloride	<13		50	13	ug/Kg		09/29/15 23:10	09/30/15 11:22	50
Chloroform	<10		50	10	ug/Kg		09/29/15 23:10	09/30/15 11:22	50
cis-1,2-Dichloroethene	<6.2		50	6.2	ug/Kg		09/29/15 23:10	09/30/15 11:22	50
Methylene Chloride	<34		250	34	ug/Kg		09/29/15 23:10	09/30/15 11:22	50
Tetrachloroethene	<8.4		50	8.4	ug/Kg		09/29/15 23:10	09/30/15 11:22	50
Trichloroethene	<9.3		25	9.3	ug/Kg		09/29/15 23:10	09/30/15 11:22	50
Vinyl chloride	<5.2		25	5.2	ug/Kg		09/29/15 23:10	09/30/15 11:22	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 125*	*09/29/15 23:10*	*09/30/15 11:22*	*50*
4-Bromofluorobenzene (Surr)	*103*		*75 - 120*	*09/29/15 23:10*	*09/30/15 11:22*	*50*
Dibromofluoromethane	*92*		*75 - 120*	*09/29/15 23:10*	*09/30/15 11:22*	*50*
Toluene-d8 (Surr)	*103*		*75 - 120*	*09/29/15 23:10*	*09/30/15 11:22*	*50*

Lab Sample ID: LCS 500-306306/7-A
Matrix: Solid
Analysis Batch: 306338

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2920		ug/Kg		117	70 - 125
1,1,2,2-Tetrachloroethane	2500	2480		ug/Kg		99	68 - 133
Carbon tetrachloride	2500	2940		ug/Kg		118	70 - 136
Chloroform	2500	2780		ug/Kg		111	70 - 120
cis-1,2-Dichloroethene	2500	2540		ug/Kg		102	70 - 120
Methylene Chloride	2500	2440		ug/Kg		98	70 - 120
Tetrachloroethene	2500	2800		ug/Kg		112	70 - 129
Trichloroethene	2500	2620		ug/Kg		105	70 - 122
Vinyl chloride	2500	2080		ug/Kg		83	63 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 125*
4-Bromofluorobenzene (Surr)	*100*		*75 - 120*
Dibromofluoromethane	*96*		*75 - 120*
Toluene-d8 (Surr)	*105*		*75 - 120*

Lab Sample ID: 500-101801-3 MS
Matrix: Solid
Analysis Batch: 306338

Client Sample ID: PS2-2WK
Prep Type: Total/NA
Prep Batch: 306306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	<13		3140	3170		ug/Kg	☼	101	70 - 125
1,1,2,2-Tetrachloroethane	<15		3140	2800		ug/Kg	☼	89	68 - 133
Carbon tetrachloride	<16		3140	3220		ug/Kg	☼	102	70 - 136
Chloroform	<13		3140	3170		ug/Kg	☼	101	70 - 120
cis-1,2-Dichloroethene	<7.7		3140	2920		ug/Kg	☼	93	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-101801-3 MS
Matrix: Solid
Analysis Batch: 306338

Client Sample ID: PS2-2WK
Prep Type: Total/NA
Prep Batch: 306306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	<43		3140	2830		ug/Kg	☼	90	70 - 120
Tetrachloroethene	4200		3140	7170		ug/Kg	☼	94	70 - 129
Trichloroethene	16	J	3140	2920		ug/Kg	☼	92	70 - 122
Vinyl chloride	<6.5		3140	2960		ug/Kg	☼	94	63 - 127

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 125*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*
Dibromofluoromethane	*97*		*75 - 120*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: 500-101801-3 MSD
Matrix: Solid
Analysis Batch: 306338

Client Sample ID: PS2-2WK
Prep Type: Total/NA
Prep Batch: 306306

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	<13		3140	3070		ug/Kg	☼	98	70 - 125	3	30
1,1,2,2-Tetrachloroethane	<15		3140	2680		ug/Kg	☼	85	68 - 133	4	30
Carbon tetrachloride	<16		3140	3040		ug/Kg	☼	97	70 - 136	6	30
Chloroform	<13		3140	3020		ug/Kg	☼	96	70 - 120	5	30
cis-1,2-Dichloroethene	<7.7		3140	2790		ug/Kg	☼	89	70 - 120	5	30
Methylene Chloride	<43		3140	2730		ug/Kg	☼	87	70 - 120	4	30
Tetrachloroethene	4200		3140	6950		ug/Kg	☼	87	70 - 129	3	30
Trichloroethene	16	J	3140	2780		ug/Kg	☼	88	70 - 122	5	30
Vinyl chloride	<6.5		3140	2780		ug/Kg	☼	88	63 - 127	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 125*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*
Dibromofluoromethane	*99*		*75 - 120*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: MB 500-306338/7
Matrix: Solid
Analysis Batch: 306338

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.20		1.0	0.20	ug/Kg			09/30/15 10:55	1
1,1,2,2-Tetrachloroethane	<0.23		1.0	0.23	ug/Kg			09/30/15 10:55	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/Kg			09/30/15 10:55	1
Chloroform	<0.21		1.0	0.21	ug/Kg			09/30/15 10:55	1
cis-1,2-Dichloroethene	<0.12		1.0	0.12	ug/Kg			09/30/15 10:55	1
Methylene Chloride	<0.68		5.0	0.68	ug/Kg			09/30/15 10:55	1
Tetrachloroethene	<0.17		1.0	0.17	ug/Kg			09/30/15 10:55	1
Trichloroethene	<0.19		0.50	0.19	ug/Kg			09/30/15 10:55	1
Vinyl chloride	<0.10		0.50	0.10	ug/Kg			09/30/15 10:55	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-306338/7
Matrix: Solid
Analysis Batch: 306338

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 125		09/30/15 10:55	1
4-Bromofluorobenzene (Surr)	102		75 - 120		09/30/15 10:55	1
Dibromofluoromethane	91		75 - 120		09/30/15 10:55	1
Toluene-d8 (Surr)	104		75 - 120		09/30/15 10:55	1

Lab Sample ID: LCS 500-306338/4
Matrix: Solid
Analysis Batch: 306338

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	54.4		ug/Kg		109	70 - 125
1,1,2,2-Tetrachloroethane	50.0	47.8		ug/Kg		96	68 - 133
Carbon tetrachloride	50.0	54.6		ug/Kg		109	70 - 136
Chloroform	50.0	52.5		ug/Kg		105	70 - 120
cis-1,2-Dichloroethene	50.0	47.9		ug/Kg		96	70 - 120
Methylene Chloride	50.0	46.3		ug/Kg		93	70 - 120
Tetrachloroethene	50.0	53.1		ug/Kg		106	70 - 129
Trichloroethene	50.0	48.7		ug/Kg		97	70 - 122
Vinyl chloride	50.0	53.3		ug/Kg		107	63 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		75 - 125
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane	93		75 - 120
Toluene-d8 (Surr)	106		75 - 120

Lab Chronicle

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101801-1

Client Sample ID: PSCS 0928-2.5 — **Lab Sample ID: 500-101801-1**
Date Collected: 09/28/15 14:15 — **Matrix: Solid**
Date Received: 09/29/15 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	306390	09/30/15 14:42	LWN	TAL CHI

Client Sample ID: PSCS 0928-2.5 — **Lab Sample ID: 500-101801-1**
Date Collected: 09/28/15 14:15 — **Matrix: Solid**
Date Received: 09/29/15 10:05 — **Percent Solids: 86.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306306	09/28/15 14:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	306338	09/30/15 12:16	PMF	TAL CHI

Client Sample ID: PSCS 0928-5.0 — **Lab Sample ID: 500-101801-2**
Date Collected: 09/28/15 14:55 — **Matrix: Solid**
Date Received: 09/29/15 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	306390	09/30/15 14:42	LWN	TAL CHI

Client Sample ID: PSCS 0928-5.0 — **Lab Sample ID: 500-101801-2**
Date Collected: 09/28/15 14:55 — **Matrix: Solid**
Date Received: 09/29/15 10:05 — **Percent Solids: 87.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306306	09/28/15 14:55	WRE	TAL CHI
Total/NA	Analysis	8260B		50	306338	09/30/15 12:42	PMF	TAL CHI

Client Sample ID: PS2-2WK — **Lab Sample ID: 500-101801-3**
Date Collected: 09/28/15 15:15 — **Matrix: Solid**
Date Received: 09/29/15 10:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	306390	09/30/15 14:42	LWN	TAL CHI

Client Sample ID: PS2-2WK — **Lab Sample ID: 500-101801-3**
Date Collected: 09/28/15 15:15 — **Matrix: Solid**
Date Received: 09/29/15 10:05 — **Percent Solids: 88.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306306	09/28/15 15:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	306338	09/30/15 13:09	PMF	TAL CHI

Lab Chronicle

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101801-1

Client Sample ID: TRIP BLANK
Date Collected: 09/28/15 00:00
Date Received: 09/29/15 10:05

Lab Sample ID: 500-101801-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			306306	09/28/15 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	306338	09/30/15 11:49	PMF	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: Huntoon Environmental Consulting
Project/Site: Express Cleaners (Former) 2015-13

TestAmerica Job ID: 500-101801-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-16

Analysis Method	Prep Method	Matrix	Analyte

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-101801

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler: 9.1

(optional) Report To	(optional) Bill To
Contact: HUNTOON ENV. CONSULTING LLC	Contact:
Company: LORI HUNTOON	Company:
Address: P.O. BOX 259927	Address:
Address: MADISON WI 53725	Address:
Phone: 608.886.7245	Phone:
Fax:	Fax:
E-Mail: lorihuntoonpg@gmail.com	PO #/Reference#: 500-101801 COC

Client	Client Project #	Preservative
GSH	2015-13	
Project Name		**Parameter**
EXPRESS CLEANERS (former)		CVOCs
Project Location/State	**Lab Project #**	
RACINE, WI		
Sampler	**Lab PM**	
LW		

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	CVOCs	Comments
1		PSCS 0928-2.5	09.28.15	14:15	2	S	X	
2		PSCS 0928-5.0	09.28.15	14:55	2	S	X	
3		PS2 - 2WK	09.28.15	15:15	2	S	X	
4		TRIP BLANK	09.28.15		2	O		

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date: ____

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	HEI	09.28.15	16:30		TA	9/29/15	1005
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

Login Sample Receipt Checklist

Client: Huntoon Environmental Consulting

Job Number: 500-101801-1

Login Number: 101801
List Number: 1
Creator: James, Jeff A

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	9.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	see NCM
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Huntoon Environmental Consulting

Job Number: 500-99016-1

Login Number: 99016
List Number: 1
Creator: James, Jeff A

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	6.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	