

Hazardous Waste Section  
File Room Document Transmittal Sheet

Your Name: Kathleen Z. Lawson  
EPA ID: NCD049773245  
Facility Name: Trex Properties  
Document Group: Closure (C )  
Document Type: Closure Report/Certification (CR)  
Description: Closure Report Addendum  
Date of Doc: 2/24/2016  
Author of Doc: Trex Properties

---

**File Room Use Only**

NCD049773245

Date Recieved by File Room:

Month	Day	Year

Scanner's Initials:

Date Scanned:

**TREX PROPERTIES LLC**

ELT TREX PROPERTIES LLC  
1650 DES PERES RD., STE 303  
SAINT LOUIS, MO 63131  
314-835-1515 P  
314-835-1616 F

February 24, 2016

Ms. Kathy Lawson  
NCDEQ, Division of Solid Waste Management  
217 West Jones Street  
Raleigh, NC 27603  
VIA: email ([Kathleen.lawson@ncdenr.gov](mailto:Kathleen.lawson@ncdenr.gov)) and USPS

RE: Closure Report (February 24, 2016)  
3114 Cullman Ave.  
Charlotte, NC 28206  
EPA ID # NCD 049 773 245

Dear Ms. Lawson:

Attached for your review is a closure report generated by Withers and Ravenel on behalf of Trex Properties, LLC (Trex) for the decontamination work performed at the Trex Site located at 3114 Cullman Ave., Charlotte, NC o.

Decontamination of the storage areas and permitted units occurred on three occasions, once in October, once in December, and the most current on February 3, 2016. Decontamination for the most recent event was performed in areas 4, 5 and 6 east. The third event was predicated on elevated levels of some halogenated compounds and n-di-butylphthalate.

If you have any questions regarding the closure certification report, please feel free to give me a call at 248.358.5800.131.

Best regards,



David Craig  
Senior Project Manager

CC: File  
R. Becker – EAG  
B. Bellis – W&R



WithersRavenel

Our People. Your Success.

# HAZARDOUS WASTE STORAGE AREA DECONTAMINATION CERTIFICATION ADDENDUM #1

**TREX PROPERTIES LLC  
FORMER DETREX FACILITY  
3114 Cullman Avenue  
Charlotte, Mecklenburg County, North Carolina  
EPA ID # NCD 049 773 245  
WR Project No.: 03130430.2**

**Prepared for:**

David Craig  
Enviro Analytical Group  
c/o Trex Properties LLC  
24901 Northwestern Highway, Suite 410  
Southfield, Michigan 48075-2209

**Prepared by:**

**WithersRavenel**

115 Mackenan Drive  
Cary, North Carolina 27511  
North Carolina Firm License No. C-0832

**February 24, 2016**



WithersRavenel

Our People. Your Success.

February 24, 2016

Mr. David Craig  
Trex Properties, LLC  
1650 Des Peres Road, Suite 303  
St. Louis, MO 63131

Subject: Hazardous Waste Storage Area Decontamination Certification  
3114 Cullman Avenue  
Charlotte, North Carolina  
EPA ID # NCD 049 773 245  
WR Project #: 03130430.2

Dear Mr. Craig:

WithersRavenel respectfully submits this Hazardous Waste Storage Area Decontamination Certification Report Addendum #1 regarding the former Detrex facility located at 3114 Cullman Avenue in Charlotte, North Carolina. The activities documented in the attached report were conducted in substantial conformance with the RCRA Part B Permit Closure Plan and the scope of work outlined in the Request for Proposals prepared by EnviroAnalytics Group, LLC (EAG) dated February 2015.

Should you have any comments or questions regarding this submittal, please do not hesitate to contact WithersRavenel at (910) 256-9277.

Sincerely,

WithersRavenel

Wesley Ross Perry, P.E.  
Staff Engineer

Brian J. Bellis, P.G.  
Project Manager

## Table of Contents

<b>1. Introduction .....</b>	<b>1</b>
<b>2. Decontamination procedures .....</b>	<b>2</b>
2.1. Additional Decontamination Activities .....	2
2.2. Sampling Procedures .....	2
<b>3. Summary of Analyses .....</b>	<b>3</b>
3.1. Results .....	3
3.2. Area #4 .....	3
3.3. Area #5 .....	3
3.4. Area #6 East .....	3
3.5. Tap Water Sample .....	3
3.6. Field Blanks .....	3
3.7. Trip Blanks .....	3
<b>4. Conclusion .....</b>	<b>4</b>
<b>5. Certification Statement .....</b>	<b>5</b>

## Attachments

- Attachment 1: Table 1: Summary of Analytical Results  
Attachment 2: Laboratory Analytical Report

## 1. INTRODUCTION

On behalf of Trex Properties (EPA ID # NCD 049 773 245), the purpose of this document is certify the effectiveness of decontamination procedures for process equipment and licensed hazardous waste container storage areas at its 3114 Cullman Ave., Charlotte, North Carolina facility (Facility). The container storage areas covered under this certification, as referenced in the operating license, include: interior container storage and containment areas (**Area #1, Area #2, Area #3, Area #4, and Area #5**), an exterior container storage area comprised of two (2) tractor trailers (**Area #6 East and Area #6 West**), and the exterior tank farm area located inside a secondary containment along the northern side of the facility (**Outside Area**). In addition to the containment areas, a 1,000-gallon feed tank (**Feeder Tank**) located in containment Area #4 and the Luwa Solvex Solvent Recovery System (**LUWA**) located in containment Area #5 are also covered under this certification. Refer to Site Plan in **Attachment 1**.

Decontamination procedures are specified in the State of North Carolina Division of Waste Management Hazardous Waste Management Permit for the subject facility and its attached Closure Plan. Specifically, Closure Plan sections I-1a: Closure of Tanks and/or Process Equipment, and I-1b: Closure of Container Storage Areas and Containment Buildings, specify the procedures to decontaminate the areas and the criteria to be used to verify that the areas are decontaminated. The list of COCs/waste codes can be found in **Attachment 2**.

## **2. DECONTAMINATION PROCEDURES**

### **2.1. ADDITIONAL DECONTAMINATION ACTIVITIES**

Due to the presence of contaminants of concern (COCs) identified in analytical results for final rinsate samples obtained during the December 2015 decontamination activities, A&D returned to the subject site on February 3, 2016 to perform additional decontamination activities. A&D personnel re-washed Area #4, Area #5, and Area #6 East in the same manner as the previous decontamination activities using a steam/hot water pressure washer.

As with the initial decontamination activities, all wash and rinsate water was contained and vacuumed into an onsite vac-truck for temporary storage. Following completion of the additional decontamination activities, all wash and rinsate water collected using the onsite vac-truck was pumped into 55-gallon drums. All drums were staged inside containment Area #1 to await disposal. As of this report the drums had not yet been disposed.

### **2.2. SAMPLING PROCEDURES**

Following the final rinsing of each containment area, potable water was discharged onto the containment area and allowed to flow across the containment area where WR personnel collected the rinsate sample using a new nitrile gloves and a peristaltic pump with new polyethylene tubing and silicone. The rinsate sample was pumped directly from the containment area into laboratory supplied containers. WR personnel also collected a sample of the potable water utilized for decontamination purposes. The "Tap Water" was collected directly into laboratory supplied containers from the end of the decontamination equipment train (potable water passed through hoses and power washer utilized to clean all areas).

In addition to the above samples, WR also collected one Field Blank sample. The Field Blank sample was collected inside the Facility by pumping laboratory provided organic-free de-ionized water utilizing a peristaltic pump with new polyethylene tubing and silicone directly into laboratory supplied containers. The purpose of this Field Blank sample was to determine if any identified COCs are a result of the tubing used during collection of the sample, or from the dissolution of COCs present in background concentrations in the ambient air of the Facility.

All sample bottles were placed in coolers with ice and a courier with Pace Analytical took custody of the samples within 24 hours of collection.

### 3. SUMMARY OF ANALYSES

Rinsate samples collected during the additional February 2016 decontamination activities were analyzed for the following methods dependent on which constituents were detected in the December 2015 laboratory analytical results:

- Area #4: EPA 8260 (Chloroform, PCE, & TCE only)
- Area #5: EPA 8270 (Di-n-butylphthalate only)
- Area #6 East: EPA 8270 (Di-n-butylphthalate only)
- Tap Water: EPA 8260 (full constituent list)
- Field Blank: EPA 8260 (Chloroform, PCE, & TCE only)  
EPA 8270 (Di-n-butylphthalate only)
- Trip Blank: EPA 8260 (full constituent list)

#### 3.1. RESULTS

Table 1 (**Attachment 1**) presents a summary of the COCs detected in the samples of decontamination water collected from each of the containment areas and sampled process equipment/tanks. Laboratory reports can be found in **Attachment 2**. The results are compared to applicable 15A NCAC 02L Groundwater Quality Standards (2L Standards) as indicated in section I-1a of the Closure Plan with the exception of DPA results, which have no listed 2L Standard and therefore are compared to the Montana Department of Environmental Quality Groundwater Quality Standards per the NCDEQ Hazardous Waste Section.

#### 3.2. AREA #4

The following constituents were detected in the final rinsate water collected in February 2016 from Area #4: chloroform and PCE. **The identified concentration of PCE exceeded the respective 2L Standard.**

#### 3.3. AREA #5

Di-n-butylphthalate was not detected above laboratory detection limits in the final rinsate sample collected in February 2016.

#### 3.4. AREA #6 EAST

Di-n-butylphthalate was not detected above laboratory detection limits in the final rinsate sample collected in February 2016.

#### 3.5. TAP WATER SAMPLE

Chloroform was detected both the Tap Water sample and the duplicate sample collected alongside it.

#### 3.6. FIELD BLANKS

No constituents were detected in the field prepared blank collected on February 3, 2016.

#### 3.7. TRIP BLANKS

WR personnel submitted a laboratory prepared and supplied trip blank sample with the cooler submitted to the lab containing samples. Analytical results indicated that no constituents were identified in the Trip Blank sample submitted on February 3, 2016.

## 4. CONCLUSION

The hazardous waste storage areas remain vacant with the exception of the above mentioned drums. The sweepings and liquids associated with the decontamination activities will be disposed of as hazardous waste. As of February 3, 2016, 26 drums are located within Storage Area #1 and all are properly sealed and in good condition. A representative of Trex is currently working on profiling the drums for appropriate disposal. Copies of the manifest for the disposal of the waste produced from the second washing will be provided as soon as they are available.

Chloroform has been consistently detected in a majority of the final rinsate samples collected throughout the decontamination activities. It was also detected in similar concentrations in the "Tap Water" sample and associated duplicate sample collected on February 3, 2016. Chloroform is a result of the chlorination of drinking water and is commonly found in municipal tap water, thus WR believes that the identified concentrations of chloroform in the "Tap Water" sample indicates that the presence of chloroform in the rinsate samples is a result of residual chloroform concentrations present in the municipal water supplied to the site. Therefore, WR does not consider chloroform to be a constituent of concern (COC) relative to the decontamination efforts at the subject site.

Based on analytical results, the containment area and process equipment/tank decontamination activities completed from October 2015 to February 2016 have successfully cleaned the containment areas to the applicable criteria with the exception of Area #4. PCE has been consistently detected in the final rinsate samples collected from Area #4 following each decontamination event in decreasing amounts. Analytical results for the most recent February 3, 2016 decontamination efforts indicated that PCE was detected in the final rinsate sample at a trace concentration of 1.1 ug/L, which slightly exceeds the laboratory detection limits and the NC Groundwater Quality Standard of 0.7 ug/L but does not exceed the National Primary Drinking Water Regulations (NPDWRs) Maximum Contaminant Level (MCL) of 5 ug/L.

Given the fact that the very low residual concentration of PCE identified within the latest rinsate sample collected from area #4 is less than its MCL for drinking water, it is WRs opinion that the trace concentration of PCE should not pose a risk to human health or the environment, nor would it contribute to the soil and groundwater contamination present beneath and around the building. From this standpoint, we believe that no further action regarding additional contamination of the facility should be required.

## 5. CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

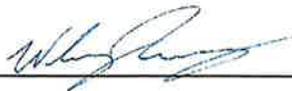


Owner / Operator Signature

Mike Roberts, Member



Date



Professional Engineer Signature

Wesley Ross Perry, PE

February 24, 2016

Date



## **ATTACHMENT 1**

### **TABLE 1: SUMMARY OF ANALYTICAL RESULTS**

**TABLE 1  
SUMMARY OF ANALYTICAL RESULTS**

Trex Properties, LLC  
3114 Cullman Ave.  
Charlotte, Mecklenburg County, North Carolina

Analytical Method		EPA 5030/8015	EPA 8015 Modified	EPA 6010			EPA 8081			EPA 8260						EPA 8270		EPA 9040	EPA 8015 DAI			
Sample ID	Date Collected	Gas Range Organics (C6-C10)	Diesel Range Organics (C10-C28)	Barium	Chromium	Lead	4,4'-DDD	Endrin aldehyde	Heptachlor epoxide	Methoxychlor	1,1,1-Trichloroethane	1,1-Dichloroethene	Chloroform	Methylene Chloride	Tetrachloroethene	Toluene	Trichloroethene	Di-n-butylphthalate	bis(2-Ethylhexyl)phthalate	pH	Dipropylamine (DPA)	
		N/A	N/A	7440-39-3	7440-47-3	7439-92-1	72-54-8	7421-93-4	1024-57-3	72-43-5	71-55-6	75-35-4	67-66-3	75-09-2	127-18-4	108-88-3	79-01-6	84-74-2	117-81-7	N/A	142-84-7	
NC 2L Standard		400	700	700	10	15	0.1	2	0.004	40	200	7	70	5	0.7	600	3	NL	3	6.5 - 8.5	0.05*	
Area #1	10/15/2015	<80	<500	17	<5.0	<5.0	<0.050	<0.050	<0.050	0.88	<1.0	<1.0	4.8	<5.0	2.9	<1.0	<1.0	<10.0	<6.0	7.9	<136	
	12/18/2015	---	---	---	---	---	---	---	---	---	<1.0	<1.0	7.7	<5.0	<1.0	<1.0	<1.0	---	---	---	---	
Area #2	10/15/2015	360	<500	11.8	<5.0	<5.0	<0.050	<0.050	<0.050	0.78	73.3	1.4	6.3	<5.0	54	2.1	343	<10.0	<6.0	8	<136	
	12/17/2015	---	---	---	---	---	---	---	---	---	<1.0	<1.0	12.6	<5.0	<1.0	<1.0	<1.0	---	---	---	---	
Area #3	10/15/2015	<80	<500	10.7	<5.0	<5.0	<0.050	<0.050	<0.050	<0.15	<0.50	<0.50	6.9	<2.5	<0.50	<0.50	<0.50	<10.0	<6.0	8.5	---	
	12/16/2015	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<136	
Area #4	10/16/2015	<80	<500	11.7	<5.0	<5.0	<0.050	<0.050	<0.050	0.83	<1.0	<1.0	5	<5.0	8.1	<1.0	13.4	<10.0	<6.0	8	<136	
	12/17/2015	---	---	---	---	---	---	---	---	---	<1.0	<1.0	6.4	<5.0	2.1	<1.0	1.6	---	---	---	---	
	2/3/2016	---	---	---	---	---	---	---	---	---	---	---	18.4	---	1.1	---	<0.47	---	---	---	---	
Area #5	10/16/2015	<80	760	29.3	15.9	6.5	0.06	<0.050	<0.050	2.2	<1.0	<1.0	3.4	<5.0	<1.0	<1.0	<1.0	<10.0	14.4	7.9	<136	
	12/17/2015	---	<500	---	<5.0	---	---	---	---	---	---	---	---	---	---	---	---	---	<6.0	---	---	
	2/3/2016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1.1	---	---	---	
DUP-2 (Area #5)	12/18/2015	---	<500	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Area #6 East	10/14/2015	<80	<500	13.8	<5.0	<5.0	<0.050	<0.050	0.081	<0.15	<0.50	<0.50	24.6	<2.5	<0.50	0.5	<0.50	<10.0	10.7	7.6	---	
	12/16/2015	---	---	---	---	---	<0.050	<0.050	<0.050	<0.15	<5.0	<5.0	10.3	<5.0	<5.0	<5.0	<5.0	<10.0	118	<6.0	---	<136
	2/3/2016	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<1.1	---	---	---	---
DUP-1 (Area #6 East)	12/16/2015	---	---	---	---	<0.050	<0.050	<0.050	<0.15	---	---	---	---	---	---	---	---	131	<6.0	---	<136	
Area #6 West	10/14/2015	<80	<500	10.4	<5.0	<5.0	<0.050	0.23	0.13	<0.15	<0.50	<0.50	7.8	<2.5	<0.50	<0.50	<0.50	<10.0	<6.0	8.4	---	
	12/16/2015	---	---	---	---	---	<0.050	<0.050	<0.050	<0.15	---	---	---	---	---	---	---	---	---	---	---	<136
Feeder Tank	10/14/2015	<80	<500	15.8	<5.0	<5.0	<0.050	<0.050	<0.050	<0.15	<0.50	<0.50	7	<2.5	<0.50	<0.50	<0.50	<10.0	<6.0	8.4	---	
	12/16/2015	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<136
LUWA	10/15/2015	<80	<500	18.6	20.9	<5.0	<0.050	<0.050	<0.050	<0.15	<0.50	<0.50	8	<2.5	<0.50	<0.50	<0.50	<10.0	<6.0	8.1	---	
	12/16/2015	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<136
Outside Area	12/18/2015	---	---	---	<5.0	---	---	---	---	---	<1.0	<1.0	13.7	<5.0	<1.0	<1.0	---	---	---	---	---	
DUP-3 (Outside Area)	12/18/2015	---	---	---	<5.0	---	---	---	---	---	<1.0	<1.0	13.4	<5.0	<1.0	<1.0	---	---	---	---	---	
Tap Water	2/3/2016	---	---	---	---	---	---	---	---	---	<0.48	<0.56	23.4	<0.97	<0.46	<0.26	<0.47	---	---	---	---	
Dup-1 (Tap Water)	2/3/2016	---	---	---	---	---	---	---	---	---	<0.48	<0.56	23.4	<0.97	<0.46	<0.26	<0.47	---	---	---	---	
Field Blank-1	10/14/2015	<80	<500	6.2	<5.0	<5.0	<0.050	<0.050	<0.050	<0.15	<0.50	<0.50	<0.50	<2.5	<0.50	<0.50	<0.50	<10.0	<6.0	5.8	<136	
Field Blank-2	10/15/2015	<80	<500	<5.0	<5.0	<5.0	<0.050	<0.050	<0.050	<0.15	<0.50	<0.50	<0.50	<2.5	<0.50	<0.50	<0.50	<10.0	<6.0	5.6	---	
Field Blank-1	12/16/2015	---	---	---	---	---	<0.050	<0.050	<0.050	<0.15	---	---	---	---	---	---	---	<10.0	<6.0	---	---	
Field Blank-2	12/18/2015	---	<500	---	<5.0	---	---	---	---	---	---	<5.0	<5.0	---	---	---	<10.0	<6.0	---	---	---	
Field Blank-1	2/3/2016	---	---	---	---	---	---	---	---	---	---	---	<0.14	---	<0.46	---	<0.47	<1.1	---	---	---	
Trip Blank-1	10/15/2015	---	---	---	---	---	---	---	---	---	<0.50	<0.50	<0.50	<2.5	<0.50	<0.50	<0.50	---	---	---	---	
Trip Blank-1	10/16/2015	---	---	---	---	---	---	---	---	---	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	---	---	---	---	
Trip Blank-2	10/15/2015	---	---	---	---	---	---	---	---	---	<0.50	<0.50	<0.50	<2.5	<0.50	<0.50	<0.50	---	---	---	---	
Trip Blank-2	10/16/2015	---	---	---	---	---	---	---	---	---	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	---	---	---	---	
Trip Blank-3	10/15/2015	---	---	---	---	---	---	---	---	---	<0.50	<0.50	<0.50	<2.5	<0.50	<0.50	<0.50	---	---	---	---	
Trip Blank-3	10/16/2015	---	---	---	---	---	---	---	---	---	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	---	---	---	---	
Trip Blank-4	10/15/2015	---	---	---	---	---	---	---	---	---	<0.50	<0.50	<0.50	<2.5	<0.50	<0.50	<0.50	---	---	---	---	
Trip Blank-4	10/16/2015	---	---	---	---	---	---	---	---	---	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	---	---	---	---	
Trip Blank-5	10/15/2015	---	---	---	---	---	---	---	---	---	<0.50	<0.50	<0.50	<2.5	<0.50	<0.50	<0.50	---	---	---	---	
Trip Blank-6	10/15/2015	---	---	---	---	---	---	---	---	---	<0.50	<0.50	<0.50	<2.5	<0.50	<0.50	<0.50	---	---	---	---	
Trip Blank-7	10/15/2015	---	---	---	---	---	---	---	---	---	<0.50	<0.50	<0.50	<2.5	<0.50	<0.50	<0.50	---	---	---	---	
Trip Blank-1	12/16/2015	---	---	---	---	---	---	---	---	---	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	---	---	---	---	
Trip Blank-2	12/18/2015	---	---	---	---	---	---	---	---	---	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	---	---	---	---	
Trip Blank-1	2/3/2016	---	---	---	---	---	---	---	---	---	<0.48	<0.56	<0.14	<0.97	<0.46	<0.26	<0.47	---	---	---	---	
GCLs for Groundwater		NL	NL	700,000	10,000	15,000	NL	NL	NL	NL	200,000	7,000	70,000	5,000	700	260,000	3,000	NL	170	NL	NL	

**Notes:**

- 1.) All results provided in ug/L (micrograms per liter) or parts per billion
- 2.) Compounds analyzed for by laboratory but not listed were not detected above laboratory detection limits. See the laboratory report included in the Appendix for a full list of constituents.
- 3.) NC 2L Standard - North Carolina Groundwater Quality Standard as per NC Administrative Code 15A NCAC 02L
- 4.) GCLs for Groundwater = NCDENR UST Section Gross Contamination Levels for Groundwater
- 5.) Underlined Method detection limits (MDLs) exceed the respective NC 2L Standard.
- 6.) \* = Dipropylamine results are compared to the Montana Numeric Water Quality Standards as no standard is currently listed under the 2L Standards.

NL	= Not Listed
---	= Compound Not Analyzed for by Laboratory.
Result	= Result Exceeds Laboratory Detection Limits
Result	= Result Exceeds 2L Standard

**ATTACHMENT 2**  
**LABORATORY ANALYTICAL REPORT**

February 18, 2016

David Craig  
EnviroAnalytics Group  
1650 Des Peres Road  
Suite 303  
Saint Louis, MO 63131

RE: Project: Trex Property  
Pace Project No.: 92285221

Dear David Craig:

Enclosed are the analytical results for sample(s) received by the laboratory on February 03, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Taylor Ezell  
taylor.ezell@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## CERTIFICATIONS

Project: Trex Property

Pace Project No.: 92285221

---

### **Charlotte Certification IDs**

9800 Kincey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001  
Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
Virginia/VELAP Certification #: 460221

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## SAMPLE SUMMARY

Project: Trex Property

Pace Project No.: 92285221

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92285221001	Area #4	Water	02/03/16 10:15	02/03/16 14:22
92285221002	Tap Water	Water	02/03/16 13:00	02/03/16 14:22
92285221003	Dup-1	Water	02/03/16 00:00	02/03/16 14:22
92285221004	Trip Blank	Water	02/03/16 00:00	02/03/16 14:22
92285221005	Area #5	Water	02/03/16 11:30	02/03/16 14:22
92285221006	Area #6 East	Water	02/03/16 12:40	02/03/16 14:22
92285221007	Field Blank-1	Water	02/03/16 13:30	02/03/16 14:22

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SAMPLE ANALYTE COUNT

Project: Trex Property

Pace Project No.: 92285221

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92285221001	Area #4	EPA 8260	NB	6
92285221002	Tap Water	EPA 8260	NB	25
92285221003	Dup-1	EPA 8260	NB	25
92285221004	Trip Blank	EPA 8260	NB	25
92285221005	Area #5	EPA 8270	RES	4
92285221006	Area #6 East	EPA 8270	RES	4
92285221007	Field Blank-1	EPA 8270	RES	4
		EPA 8260	NB	6

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Trex Property

Pace Project No.: 92285221

Sample: Area #4		Lab ID: 92285221001		Collected: 02/03/16 10:15	Received: 02/03/16 14:22	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
Chloroform	<b>18.4</b>	ug/L	1.0	0.14	1		02/05/16 23:30	67-66-3	
Tetrachloroethene	<b>1.1</b>	ug/L	1.0	0.46	1		02/05/16 23:30	127-18-4	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/05/16 23:30	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/05/16 23:30	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		02/05/16 23:30	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		02/05/16 23:30	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Trex Property  
Pace Project No.: 92285221

**Sample: Tap Water**      **Lab ID: 92285221002**      Collected: 02/03/16 13:00      Received: 02/03/16 14:22      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level</b>									
Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		02/06/16 07:32	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		02/06/16 07:32	71-43-2	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/06/16 07:32	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/06/16 07:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/06/16 07:32	108-90-7	
Chloroform	<b>23.6</b>	ug/L	1.0	0.14	1		02/06/16 07:32	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/06/16 07:32	106-46-7	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		02/06/16 07:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/06/16 07:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/06/16 07:32	156-59-2	
Ethyl acetate	ND	ug/L	20.0	0.48	1		02/06/16 07:32	141-78-6	
Isobutanol	ND	ug/L	100	35.0	1		02/06/16 07:32	78-83-1	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/06/16 07:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/06/16 07:32	108-10-1	
Pentachloroethane	ND	ug/L	50.0	50.0	1		02/06/16 07:32	76-01-7	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/06/16 07:32	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/06/16 07:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/06/16 07:32	71-55-6	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/06/16 07:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/06/16 07:32	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/06/16 07:32	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/06/16 07:32	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/06/16 07:32	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		02/06/16 07:32	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		02/06/16 07:32	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Trex Property  
Pace Project No.: 92285221

**Sample: Dup-1**      **Lab ID: 92285221003**      Collected: 02/03/16 00:00      Received: 02/03/16 14:22      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level</b>									
Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		02/06/16 07:49	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		02/06/16 07:49	71-43-2	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/06/16 07:49	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/06/16 07:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/06/16 07:49	108-90-7	
Chloroform	<b>23.4</b>	ug/L	1.0	0.14	1		02/06/16 07:49	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/06/16 07:49	106-46-7	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		02/06/16 07:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/06/16 07:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/06/16 07:49	156-59-2	
Ethyl acetate	ND	ug/L	20.0	0.48	1		02/06/16 07:49	141-78-6	
Isobutanol	ND	ug/L	100	35.0	1		02/06/16 07:49	78-83-1	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/06/16 07:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/06/16 07:49	108-10-1	
Pentachloroethane	ND	ug/L	50.0	50.0	1		02/06/16 07:49	76-01-7	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/06/16 07:49	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/06/16 07:49	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/06/16 07:49	71-55-6	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/06/16 07:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/06/16 07:49	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/06/16 07:49	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/06/16 07:49	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/06/16 07:49	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		02/06/16 07:49	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		02/06/16 07:49	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Trex Property

Pace Project No.: 92285221

**Sample: Trip Blank**      **Lab ID: 92285221004**      Collected: 02/03/16 00:00      Received: 02/03/16 14:22      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV Low Level</b>									
Analytical Method: EPA 8260									
Acetone	ND	ug/L	25.0	10.0	1		02/05/16 18:15	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		02/05/16 18:15	71-43-2	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/05/16 18:15	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/05/16 18:15	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/05/16 18:15	108-90-7	
Chloroform	ND	ug/L	1.0	0.14	1		02/05/16 18:15	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/05/16 18:15	106-46-7	
1,2-Dichloroethane	ND	ug/L	1.0	0.24	1		02/05/16 18:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/05/16 18:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/05/16 18:15	156-59-2	
Ethyl acetate	ND	ug/L	20.0	0.48	1		02/05/16 18:15	141-78-6	
Isobutanol	ND	ug/L	100	35.0	1		02/05/16 18:15	78-83-1	
Methylene Chloride	ND	ug/L	2.0	0.97	1		02/05/16 18:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/05/16 18:15	108-10-1	
Pentachloroethane	ND	ug/L	50.0	50.0	1		02/05/16 18:15	76-01-7	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/05/16 18:15	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/05/16 18:15	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/05/16 18:15	71-55-6	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/05/16 18:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/05/16 18:15	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/05/16 18:15	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/05/16 18:15	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/05/16 18:15	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		02/05/16 18:15	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		02/05/16 18:15	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Trex Property

Pace Project No.: 92285221

Sample: Area #5		Lab ID: 92285221005		Collected: 02/03/16 11:30		Received: 02/03/16 14:22		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	02/04/16 12:00	02/05/16 16:00	84-74-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	44	%	21-110		1	02/04/16 12:00	02/05/16 16:00	4165-60-0	
2-Fluorobiphenyl (S)	41	%	27-110		1	02/04/16 12:00	02/05/16 16:00	321-60-8	
Terphenyl-d14 (S)	80	%	31-107		1	02/04/16 12:00	02/05/16 16:00	1718-51-0	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Trex Property

Pace Project No.: 92285221

Sample: Area #6 East		Lab ID: 92285221006		Collected: 02/03/16 12:40	Received: 02/03/16 14:22	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	02/04/16 12:00	02/05/16 16:24	84-74-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	49	%	21-110		1	02/04/16 12:00	02/05/16 16:24	4165-60-0	
2-Fluorobiphenyl (S)	45	%	27-110		1	02/04/16 12:00	02/05/16 16:24	321-60-8	
Terphenyl-d14 (S)	89	%	31-107		1	02/04/16 12:00	02/05/16 16:24	1718-51-0	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Trex Property

Pace Project No.: 92285221

Sample: Field Blank-1		Lab ID: 92285221007		Collected: 02/03/16 13:30		Received: 02/03/16 14:22		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV HVI Semivol Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Di-n-butylphthalate	ND	ug/L	10.0	1.1	1	02/04/16 12:00	02/05/16 16:49	84-74-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	62	%	21-110		1	02/04/16 12:00	02/05/16 16:49	4165-60-0	
2-Fluorobiphenyl (S)	62	%	27-110		1	02/04/16 12:00	02/05/16 16:49	321-60-8	
Terphenyl-d14 (S)	85	%	31-107		1	02/04/16 12:00	02/05/16 16:49	1718-51-0	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
Chloroform	ND	ug/L	1.0	0.14	1		02/05/16 18:32	67-66-3	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/05/16 18:32	127-18-4	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/05/16 18:32	79-01-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/05/16 18:32	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		02/05/16 18:32	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		02/05/16 18:32	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Trex Property  
Pace Project No.: 92285221

QC Batch: MSV/35463 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level  
Associated Lab Samples: 92285221001, 92285221004, 92285221007

METHOD BLANK: 1661080 Matrix: Water  
Associated Lab Samples: 92285221001, 92285221004, 92285221007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	0.48	02/05/16 16:36	
1,1-Dichloroethene	ug/L	ND	1.0	0.56	02/05/16 16:36	
1,2-Dichloroethane	ug/L	ND	1.0	0.24	02/05/16 16:36	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	02/05/16 16:36	
2-Butanone (MEK)	ug/L	ND	5.0	0.96	02/05/16 16:36	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	0.33	02/05/16 16:36	
Acetone	ug/L	ND	25.0	10.0	02/05/16 16:36	
Benzene	ug/L	ND	1.0	0.25	02/05/16 16:36	
Carbon tetrachloride	ug/L	ND	1.0	0.25	02/05/16 16:36	
Chlorobenzene	ug/L	ND	1.0	0.23	02/05/16 16:36	
Chloroform	ug/L	ND	1.0	0.14	02/05/16 16:36	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.19	02/05/16 16:36	
Methylene Chloride	ug/L	ND	2.0	0.97	02/05/16 16:36	
Tetrachloroethene	ug/L	ND	1.0	0.46	02/05/16 16:36	
Toluene	ug/L	ND	1.0	0.26	02/05/16 16:36	
Trichloroethene	ug/L	ND	1.0	0.47	02/05/16 16:36	
Trichlorofluoromethane	ug/L	ND	1.0	0.20	02/05/16 16:36	
Vinyl chloride	ug/L	ND	1.0	0.62	02/05/16 16:36	
Xylene (Total)	ug/L	ND	2.0	0.66	02/05/16 16:36	
1,2-Dichloroethane-d4 (S)	%	100	70-130		02/05/16 16:36	
4-Bromofluorobenzene (S)	%	96	70-130		02/05/16 16:36	
Toluene-d8 (S)	%	101	70-130		02/05/16 16:36	

LABORATORY CONTROL SAMPLE: 1661081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.9	114	70-130	
1,1-Dichloroethene	ug/L	50	57.7	115	70-132	
1,2-Dichloroethane	ug/L	50	51.3	103	70-130	
1,4-Dichlorobenzene	ug/L	50	58.1	116	70-130	
2-Butanone (MEK)	ug/L	100	118	118	70-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	121	121	70-140	
Acetone	ug/L	100	112	112	50-175	
Benzene	ug/L	50	55.6	111	70-130	
Carbon tetrachloride	ug/L	50	59.2	118	70-132	
Chlorobenzene	ug/L	50	56.9	114	70-130	
Chloroform	ug/L	50	54.4	109	70-130	
cis-1,2-Dichloroethene	ug/L	50	55.8	112	70-131	
Methylene Chloride	ug/L	50	48.7	97	63-130	
Tetrachloroethene	ug/L	50	57.4	115	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Trex Property  
Pace Project No.: 92285221

LABORATORY CONTROL SAMPLE: 1661081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	54.1	108	70-130	
Trichloroethene	ug/L	50	55.8	112	70-130	
Trichlorofluoromethane	ug/L	50	52.6	105	62-133	
Vinyl chloride	ug/L	50	52.6	105	50-150	
Xylene (Total)	ug/L	150	166	111	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 1661082

Parameter	Units	92285091001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	500	587	117	70-130	
1,1-Dichloroethene	ug/L	ND	500	594	119	70-166	
1,2-Dichloroethane	ug/L	ND	500	528	105	70-130	
1,4-Dichlorobenzene	ug/L	ND	500	555	111	70-130	
2-Butanone (MEK)	ug/L	ND	1000	1120	112	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	1000	1210	121	70-130	
Acetone	ug/L	ND	1000	956	96	70-130	
Benzene	ug/L	0.98 mg/L	500	1580	120	70-148	
Carbon tetrachloride	ug/L	ND	500	612	122	70-130	
Chlorobenzene	ug/L	ND	500	565	113	70-146	
Chloroform	ug/L	ND	500	546	107	70-130	
cis-1,2-Dichloroethene	ug/L	ND	500	567	113	70-130	
Methylene Chloride	ug/L	ND	500	511	100	70-130	
Tetrachloroethene	ug/L	ND	500	575	115	70-130	
Toluene	ug/L	3.7 mg/L	500	4240	115	70-155	
Trichloroethene	ug/L	ND	500	579	116	69-151	
Trichlorofluoromethane	ug/L	ND	500	582	116	70-130	
Vinyl chloride	ug/L	ND	500	561	112	70-130	
1,2-Dichloroethane-d4 (S)	%				96	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				103	70-130	

SAMPLE DUPLICATE: 1661083

Parameter	Units	92285091005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	8.5J		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Trex Property

Pace Project No.: 92285221

SAMPLE DUPLICATE: 1661083

Parameter	Units	92285091005 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	1.1 mg/L	1070	2	30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	2.5 mg/L	2430	2	30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	4.5 mg/L	4450	1	30	
1,2-Dichloroethane-d4 (S)	%	100	100	0		
4-Bromofluorobenzene (S)	%	99	98	1		
Toluene-d8 (S)	%	100	100	1		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Trex Property  
Pace Project No.: 92285221

QC Batch: MSV/35465 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level  
Associated Lab Samples: 92285221002, 92285221003

METHOD BLANK: 1661176 Matrix: Water  
Associated Lab Samples: 92285221002, 92285221003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	0.48	02/06/16 02:00	
1,1-Dichloroethene	ug/L	ND	1.0	0.56	02/06/16 02:00	
1,2-Dichloroethane	ug/L	ND	1.0	0.24	02/06/16 02:00	
1,4-Dichlorobenzene	ug/L	ND	1.0	0.33	02/06/16 02:00	
2-Butanone (MEK)	ug/L	ND	5.0	0.96	02/06/16 02:00	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	0.33	02/06/16 02:00	
Acetone	ug/L	ND	25.0	10.0	02/06/16 02:00	
Benzene	ug/L	ND	1.0	0.25	02/06/16 02:00	
Carbon tetrachloride	ug/L	ND	1.0	0.25	02/06/16 02:00	
Chlorobenzene	ug/L	ND	1.0	0.23	02/06/16 02:00	
Chloroform	ug/L	ND	1.0	0.14	02/06/16 02:00	
cis-1,2-Dichloroethene	ug/L	ND	1.0	0.19	02/06/16 02:00	
Methylene Chloride	ug/L	ND	2.0	0.97	02/06/16 02:00	
Tetrachloroethene	ug/L	ND	1.0	0.46	02/06/16 02:00	
Toluene	ug/L	ND	1.0	0.26	02/06/16 02:00	
Trichloroethene	ug/L	ND	1.0	0.47	02/06/16 02:00	
Trichlorofluoromethane	ug/L	ND	1.0	0.20	02/06/16 02:00	
Vinyl chloride	ug/L	ND	1.0	0.62	02/06/16 02:00	
Xylene (Total)	ug/L	ND	2.0	0.66	02/06/16 02:00	
1,2-Dichloroethane-d4 (S)	%	101	70-130		02/06/16 02:00	
4-Bromofluorobenzene (S)	%	96	70-130		02/06/16 02:00	
Toluene-d8 (S)	%	100	70-130		02/06/16 02:00	

LABORATORY CONTROL SAMPLE: 1661177

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.8	106	70-130	
1,1-Dichloroethene	ug/L	50	52.8	106	70-132	
1,2-Dichloroethane	ug/L	50	50.4	101	70-130	
1,4-Dichlorobenzene	ug/L	50	53.7	107	70-130	
2-Butanone (MEK)	ug/L	100	111	111	70-145	
4-Methyl-2-pentanone (MIBK)	ug/L	100	115	115	70-140	
Acetone	ug/L	100	104	104	50-175	
Benzene	ug/L	50	50.7	101	70-130	
Carbon tetrachloride	ug/L	50	54.0	108	70-132	
Chlorobenzene	ug/L	50	52.3	105	70-130	
Chloroform	ug/L	50	50.9	102	70-130	
cis-1,2-Dichloroethene	ug/L	50	51.5	103	70-131	
Methylene Chloride	ug/L	50	46.1	92	63-130	
Tetrachloroethene	ug/L	50	52.4	105	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Trex Property  
Pace Project No.: 92285221

LABORATORY CONTROL SAMPLE: 1661177

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	49.2	98	70-130	
Trichloroethene	ug/L	50	50.1	100	70-130	
Trichlorofluoromethane	ug/L	50	48.5	97	62-133	
Vinyl chloride	ug/L	50	46.5	93	50-150	
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 1661178

Parameter	Units	92285363001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	23.7	119	70-130	
1,1-Dichloroethene	ug/L	ND	20	23.5	118	70-166	
1,2-Dichloroethane	ug/L	ND	20	20.7	104	70-130	
1,4-Dichlorobenzene	ug/L	ND	20	22.0	110	70-130	
2-Butanone (MEK)	ug/L	ND	40	43.3	108	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	40	46.7	117	70-130	
Acetone	ug/L	ND	40	42.8	102	70-130	
Benzene	ug/L	ND	20	22.9	115	70-148	
Carbon tetrachloride	ug/L	ND	20	24.8	124	70-130	
Chlorobenzene	ug/L	ND	20	22.0	110	70-146	
Chloroform	ug/L	ND	20	22.5	113	70-130	
cis-1,2-Dichloroethene	ug/L	ND	20	22.5	113	70-130	
Methylene Chloride	ug/L	ND	20	19.9	100	70-130	
Tetrachloroethene	ug/L	ND	20	22.4	112	70-130	
Toluene	ug/L	ND	20	23.2	115	70-155	
Trichloroethene	ug/L	ND	20	22.2	111	69-151	
Trichlorofluoromethane	ug/L	ND	20	23.0	115	70-130	
Vinyl chloride	ug/L	ND	20	22.6	113	70-130	
1,2-Dichloroethane-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 1661179

Parameter	Units	92285363002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Trex Property

Pace Project No.: 92285221

SAMPLE DUPLICATE: 1661179

Parameter	Units	92285363002 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	103	103	0		
4-Bromofluorobenzene (S)	%	95	97	2		
Toluene-d8 (S)	%	102	101	1		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Trex Property  
Pace Project No.: 92285221

QC Batch: OEXT/40593 Analysis Method: EPA 8270  
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV HVI  
Associated Lab Samples: 92285221005, 92285221006, 92285221007

METHOD BLANK: 1659947 Matrix: Water  
Associated Lab Samples: 92285221005, 92285221006, 92285221007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Di-n-butylphthalate	ug/L	ND	10.0	1.1	02/05/16 14:21	
2,4,6-Tribromophenol (S)	%	45	27-110		02/05/16 14:21	
2-Fluorobiphenyl (S)	%	54	27-110		02/05/16 14:21	
2-Fluorophenol (S)	%	33	12-110		02/05/16 14:21	
Nitrobenzene-d5 (S)	%	57	21-110		02/05/16 14:21	
Phenol-d6 (S)	%	25	10-110		02/05/16 14:21	
Terphenyl-d14 (S)	%	86	31-107		02/05/16 14:21	

LABORATORY CONTROL SAMPLE: 1659948

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Di-n-butylphthalate	ug/L	50	48.2	96	56-125	
2,4,6-Tribromophenol (S)	%			84	27-110	
2-Fluorobiphenyl (S)	%			61	27-110	
2-Fluorophenol (S)	%			46	12-110	
Nitrobenzene-d5 (S)	%			66	21-110	
Phenol-d6 (S)	%			34	10-110	
Terphenyl-d14 (S)	%			95	31-107	

MATRIX SPIKE SAMPLE: 1659949

Parameter	Units	92284976001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Di-n-butylphthalate	ug/L	ND	50	45.7	91	26-110	
2,4,6-Tribromophenol (S)	%				60	27-110	
2-Fluorobiphenyl (S)	%				45	27-110	
2-Fluorophenol (S)	%				35	12-110	
Nitrobenzene-d5 (S)	%				50	21-110	
Phenol-d6 (S)	%				25	10-110	
Terphenyl-d14 (S)	%				85	31-107	

SAMPLE DUPLICATE: 1659950

Parameter	Units	92285016001 Result	Dup Result	RPD	Max RPD	Qualifiers
Di-n-butylphthalate	ug/L	ND	ND		30	IO
2,4,6-Tribromophenol (S)	%	19	9	70		S2
2-Fluorobiphenyl (S)	%	73	72	1		
2-Fluorophenol (S)	%	3	3	6		S2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Trex Property

Pace Project No.: 92285221

SAMPLE DUPLICATE: 1659950

Parameter	Units	92285016001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrobenzene-d5 (S)	%	56	58	3		
Phenol-d6 (S)	%	13	14	5		
Terphenyl-d14 (S)	%	54	44	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALIFIERS

Project: Trex Property  
Pace Project No.: 92285221

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether, Styrene, and Vinyl chloride.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### WORKORDER QUALIFIERS

WO: 92285221

[1] Report revised on 2/18/16 to update analyte list.

### ANALYTE QUALIFIERS

IO The internal standard response was outside the laboratory acceptance limits confirmed by reanalysis. The results reported are from the most QC compliant analysis.

S2 Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Trex Property

Pace Project No.: 92285221

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92285221005	Area #5	EPA 3510	OEXT/40593	EPA 8270	MSSV/11843
92285221006	Area #6 East	EPA 3510	OEXT/40593	EPA 8270	MSSV/11843
92285221007	Field Blank-1	EPA 3510	OEXT/40593	EPA 8270	MSSV/11843
92285221001	Area #4	EPA 8260	MSV/35463		
92285221002	Tap Water	EPA 8260	MSV/35465		
92285221003	Dup-1	EPA 8260	MSV/35465		
92285221004	Trip Blank	EPA 8260	MSV/35463		
92285221007	Field Blank-1	EPA 8260	MSV/35463		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



Document Name:  
**Sample Condition Upon Receipt (SCUR)**  
 Document No.:  
**F-CHR-CS-003-rev.17**

Document Revised: 26OCT2015  
 Page 1 of 2  
 Issuing Authority:  
 Pace Huntersville Quality Office

**Sample Condition Upon Receipt**

Client Name: Enviro Analytix Corp Project #: **WO# : 92285221**

Courier:  Fed Ex  UPS  USPS  Client  
 Commercial  Pace  Other: \_\_\_\_\_

**WO# : 92285221**

Custody Seal on Cooler/Box Present?  Yes  No Seals Intact?  Yes  No

Packing Material:  Bubble Wrap  Bubble Bags  None  Other: \_\_\_\_\_

Thermometer Used:  T1505 Type of Ice:  Wet  Blue  None  Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 19.3 Biological Tissue Frozen?  Yes  No  N/A  
 Temp should be above freezing to 6°C Correction Factor: 0.0 °C Date and Initials of Person Examining Contents: CA 2-3-16

USDA Regulated Soil ( N/A, water sample)  
 Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?  Yes  No  
 Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)?  Yes  No

If Yes to either question, fill out a Regulated Soil Checklist and include with SCUR/COC paperwork.

	COMMENTS:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes Date/Time/ID/Analysis Matrix: <u>H2O</u>	
All containers needing acid/base preservation have been checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl<2; NaOH >9 Sulfide, NaOH >12 Cyanide) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples checked for dechlorization <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____	

**CLIENT NOTIFICATION/RESOLUTION**

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/Resolution: \_\_\_\_\_

Field Data Required?  Yes  No

Project Manager SCURF Review: (Signature) Date: 2/5

