

Notice: Use this form to request a **written response (on agency letterhead)** from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code., unless noted in the instructions below. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

Definitions

"Property" refers to the subject Property that is perceived to have been or has been impacted by the discharge of hazardous substances.

"Liability Clarification" refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a Property, as provided in s. 292.55, Wis. Stats.

"Technical Assistance" refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a Property in response to a request made on this form as provided in s. 292.55, Wis. Stats.

"Post-closure modification" refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

Select the Correct Form

This form should be used to request the following from the DNR:

- Technical Assistance
- Liability Clarification
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

Do not use this form if one of the following applies:

- Request for an **off-site liability exemption or clarification** for Property that has been or is perceived to be contaminated by one or more hazardous substances that originated on another Property containing the source of the contamination. Use DNR's Off-Site Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the **Lender Liability Exemption**, s 292.21, Wis. Stats., **if no response or review by DNR is requested**. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an **exemption to develop on a historic fill site** or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- **Request for closure** for Property where the investigation and cleanup actions are completed. Use DNR's Case Closure - GIS Registry Form 4400-202.

All forms, publications and additional information are available on the internet at: dnr.wi.gov/topic/Brownfields/Pubs.html.

Instructions

1. Complete sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
2. Select the type of assistance requested: Section 3 for technical assistance or post-closure modifications, Section 4 for a written determination or clarification of environmental liabilities; or Section 5 for a specialized agreement.
3. Include the fee payment that is listed in Section 3, 4, or 5, unless you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program **and** the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located. See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an electronic copy of the form and supporting materials on a compact disk. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

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Section 1. Contact and Recipient Information

Requester Information

This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

Last Name	First	MI	Organization/ Business Name		
Walters	Carina		City Administrator - City of Burlington		
Mailing Address			City	State	ZIP Code
300 N. Pine Street			Burlington	WI	53105
Phone # (include area code)	Fax # (include area code)		Email		
(262) 242-1161			cwalters@burlington.wi.gov		

The requester listed above: (select all that apply)

- ☒ Is currently the owner
- ☐ Is considering selling the Property
- ☐ Is renting or leasing the Property
- ☐ Is considering acquiring the Property
- ☐ Is a lender with a mortgagee interest in the Property
- ☐ Other. Explain the status of the Property with respect to the applicant:

Contact Information (to be contacted with questions about this request)

☐ Select if same as requester

Contact Last Name	First	MI	Organization/ Business Name		
Fellenz	Linda	J	LF Green Development		
Mailing Address			City	State	ZIP Code
5600 W. Brown Deer Rd., Suite 120			Milwaukee	WI	53223
Phone # (include area code)	Fax # (include area code)		Email		
(414) 254-4813	(414) 375-4098		lfellenz@lfgreendevlopment.com		

Environmental Consultant (if applicable)

Contact Last Name	First	MI	Organization/ Business Name		
Fellenz	Linda	J	LF Green Development		
Mailing Address			City	State	ZIP Code
5600 W. Brown Deer Rd., Suite 120			Milwaukee	WI	53223
Phone # (include area code)	Fax # (include area code)		Email		
(414) 254-4813	(414) 375-4098		lfellenz@lfgreendevlopment.com		

Section 2. Property Information

Property Name			FID No. (if known)		
Burlington Quick and Save			252208550		
BRRS No. (if known)			Parcel Identification Number		
0352296786					
Street Address			City	State	ZIP Code
256 State Street			Burlington	WI	53105
County	Municipality where the Property is located		Property is composed of:		Property Size Acres
Racine	☒ City ☐ Town ☐ Village of Burlington		☒ Single tax parcel ☐ Multiple tax parcels		

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1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.

☐ No ☒ Yes

Date requested by: 06/10/2017

Reason: Boy Scouts will be constructing and installing "Welcome to Burlington" signs on the property.

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?

☒ No. **Include the fee that is required for your request in Section 3, 4 or 5.**

☐ Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:

Section 3. Technical Assistance or Post-Closure Modifications;

Section 4. Liability Clarification; or Section 5. Specialized Agreement.

Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: [Numbers in brackets are for WI DNR Use]

- ☒ No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - **Include a fee of \$350.** Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.
- ☐ Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of \$700.**
- ☐ Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of \$1050.**
- ☐ Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of \$1050.**
- ☐ Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of \$1050.**
- ☐ Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of \$1050.**
- ☐ Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of \$350**
- ☐ Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of \$425.**
- ☐ Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of \$425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

- ☐ Schedule a Technical Assistance Meeting - **Include a fee of \$700.**
- ☐ Hazardous Waste Determination - **Include a fee of \$700.**
- ☐ Other Technical Assistance - **Include a fee of \$700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

- ☐ Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of \$1050, and:**
- ☐ Include a fee of \$300 for sites with residual soil contamination; and
- ☐ Include a fee of \$350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

Skip Sections 4 and 5 if the technical assistance you are requesting is listed above and complete Sections 6 and 7 of this form.

Section 4. Request for Liability Clarification

Select the type of liability clarification requested. Use the available space given or attach information, explanations, or specific questions that you need answered in DNR's reply. Complete Sections 6 and 7 of this form. **[Numbers in brackets are for DNR Use]**

☐ "Lender" liability exemption clarification - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of \$700.**

Provide the following documentation:

- (1) ownership status of the real Property, and/or the personal Property and fixtures;
- (2) an environmental assessment, in accordance with s. 292.21, Wis. Stats.;
- (3) the date the environmental assessment was conducted by the lender;
- (4) the date of the Property acquisition; for foreclosure actions, include a copy of the signed and dated court order confirming the sheriff's sale.
- (5) documentation showing how the Property was acquired and the steps followed under the appropriate state statutes.
- (6) a copy of the Property deed with the correct legal description; and,
- (7) the Lender Liability Exemption Environmental Assessment Tracking Form (Form 4400-196).
- (8) If no sampling was done, please provide reasoning as to why it was **not** conducted. Include this either in the accompanying environmental assessment or as an attachment to this form, and cite language in s. 292.21(1)(c)2., h.-i., Wis. Stats.:
 - h. The collection and analysis of representative samples of soil or other materials in the ground that are suspected of being contaminated based on observations made during a visual inspection of the real Property or based on aerial photographs, or other information available to the lender, including stained or discolored soil or other materials in the ground and including soil or materials in the ground in areas with dead or distressed vegetation. The collection and analysis shall identify contaminants in the soil or other materials in the ground and shall quantify concentrations.
 - i. The collection and analysis of representative samples of unknown wastes or potentially hazardous substances found on the real Property and the determination of concentrations of hazardous waste and hazardous substances found in tanks, drums or other containers or in piles or lagoons on the real Property.

☐ "Representative" liability exemption clarification (e.g. trustees, receivers, etc.) - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of \$700.**

Provide the following documentation:

- (1) ownership status of the Property;
- (2) the date of Property acquisition by the representative;
- (3) the means by which the Property was acquired;
- (4) documentation that the representative has no beneficial interest in any entity that owns, possesses, or controls the Property;
- (5) documentation that the representative has not caused any discharge of a hazardous substance on the Property; and
- (6) a copy of the Property deed with the correct legal description.

☐ Clarification of local governmental unit (LGU) liability exemption at sites with: (select all that apply)

- ☐ hazardous substances spills - s. 292.11(9)(e), Wis. Stats. [649];
- ☐ Perceived environmental contamination - [649];
- ☐ hazardous waste - s. 292.24 (2), Wis. Stats. [649]; and/or
- ☐ solid waste - s. 292.23 (2), Wis. Stats. [649].

❖ **Include a fee of \$700, a summary of the environmental liability clarification being requested, and the following:**

- (1) clear supporting documentation showing the acquisition method used, and the steps followed under the appropriate state statute(s).
- (2) current and proposed ownership status of the Property;
- (3) date and means by which the Property was acquired by the LGU, where applicable;
- (4) a map and the ¼, ¼ section location of the Property;
- (5) summary of current uses of the Property;
- (6) intended or potential use(s) of the Property;
- (7) descriptions of other investigations that have taken place on the Property; and
- (8) (for solid waste clarifications) a summary of the license history of the facility.

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Section 4. Request for Liability Clarification (cont.)

☐ Lease liability clarification - s. 292.55, Wis. Stats. [646]

❖ **Include a fee of \$700 for a single Property, or \$1400 for multiple Properties and the information listed below:**

- (1) a copy of the proposed lease;
- (2) the name of the current owner of the Property and the person who will lease the Property;
- (3) a description of the lease holder's association with any persons who have possession, control, or caused a discharge of a hazardous substance on the Property;
- (4) map(s) showing the Property location and any suspected or known sources of contamination detected on the Property;
- (5) a description of the intended use of the Property by the lease holder, with reference to the maps to indicate which areas will be used. Explain how the use will not interfere with any future investigation or cleanup at the Property; and
- (6) all reports or investigations (e.g. Phase I and Phase II Environmental Assessments and/or Site Investigation Reports conducted under s. NR 716, Wis. Adm. Code) that identify areas of the Property where a discharge has occurred.

General or other environmental liability clarification - s. 292.55, Wis. Stats. [682] - Explain your request below.

❖ **Include a fee of \$700 and an adequate summary of relevant environmental work to date.**

☐ No Action Required (NAR) - NR 716.05, [682]

❖ **Include a fee of \$700.**

Use where an environmental discharge has or has not occurred, and applicant wants a DNR determination that no further assessment or clean-up work is required. Usually this is requested after a Phase I and Phase II environmental assessment has been conducted; the assessment reports should be submitted with this form. This is not a closure letter.

☐ Clarify the liability associated with a "closed" Property - s. 292.55, Wis. Stats. [682]

❖ **Include a fee of \$700.**

- Include a copy of any closure documents if a state agency other than DNR approved the closure.

Use this space or attach additional sheets to provide necessary information, explanations or specific questions to be answered by the DNR.

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Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: dnr.wi.gov/topic/Brownfields/lgu.html#tabx4.

☐ Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]

❖ **Include a fee of \$700, and the information listed below:**

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description; and,
- (3) a draft 75.105 agreement based on the DNR's model (dnr.wi.gov/topic/brownfields/documents/mod75-105agrmt.pdf).

☐ Agreement for assignment of tax foreclosure judgement - s.75.106, Wis. Stats. [666]

❖ **Include a fee of \$700, and the information listed below:**

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description; and,
- (3) a draft 75.105 agreement based on the DNR's model (dnr.wi.gov/topic/brownfields/documents/mod75-106agrmt.pdf).

☐ Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]

❖ **Include a fee of \$1400, and the information listed below:**

- (1) a draft schedule for remediation; and,
- (2) the name, mailing address, phone and email for each party to the agreement.

Section 6. Other Information Submitted

Identify all materials that are included with this request.

Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.

☐ Phase I Environmental Site Assessment Report - Date: _____

☒ Phase II Environmental Site Assessment Report - Date: 05/25/2017

☐ Legal Description of Property (required for all liability requests and specialized agreements)

☒ Map of the Property (required for all liability requests and specialized agreements)

Analytical results of the following sampled media: Select all that apply and include date of collection.

☐ Groundwater ☒ Soil ☐ Sediment ☐ Other medium - Describe: _____

Date of Collection: 11/23/2016

☐ A copy of the closure letter and submittal materials

☐ Draft tax cancellation agreement

☐ Draft agreement for assignment of tax foreclosure judgment

☐ Other report(s) or information - Describe: _____

For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?

☐ Yes - Date (if known): _____

☐ No

Note: The Notification for Hazardous Substance Discharge (non-emergency) form is available at:
dnr.wi.gov/files/PDF/forms/4400/4400-225.pdf.

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Section 7. Certification by the Person who completed this form

☐ I am the person submitting this request (requester)

☒ I prepared this request for: City of Burlington

Requester Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.

Signature

Date Signed

Title

Telephone Number (include area code)



**PHASE II ENVIRONMENTAL SITE ASSESSMENT
AND
REMEDIAL ACTION REPORT**

**FORMER QUICK N SAVE SITE
256 W. STATE STREET
BURLINGTON, WI**

*Prepared and
Certified for Use by:*

**City of Burlington
300 N. Pine Street
Burlington, WI 53105**

**Prepared by:
LF Green Development, LLC
5600 W Brown Deer Road, Suite 120
Milwaukee, Wisconsin 53223**

May 25, 2017



SUBMITTAL CERTIFICATION

FORMER QUICK N SAVE SITE PHASE II ENVIRONMENTAL SITE ASSESSMENT AND REMEDIAL ACTION REPORT

256 W. State Street
Burlington, WI
BRRTS #03-52-296786

I, KATHERINE M. JUNO, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

A handwritten signature in black ink that reads 'Katherine M. Juno'. The signature is written over a horizontal line.

LF Green Development, LLC.
Katherine M. Juno
Geologist

May 25, 2017

Date



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FIGURES

Figure 1	Site Location
Figure 2	Soil Boring Locations
Figure 3	Soil Excavation Location Map

TABLES

Table 1	Soil Analytical Summary
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APPENDICES

Appendix A:	TSSA Report (2010)
Appendix B:	Soil Boring Logs-Phase II ESA
Appendix C:	Soil Laboratory Analytical Reports- Phase II ESA
Appendix D:	Soil Laboratory Analytical Reports- Remedial Action Excavation Samples
Appendix E:	Landfill Disposal Documentation - Soil Excavation



1 INTRODUCTION

1.1 Authorization

LF Green Development, LLC (LF Green) received authorization from the City of Burlington (Burlington) to conduct a Phase II Environmental Site Assessment (ESA) of the Former Quick N Save Property, located at 256 W. State Street, Burlington, Wisconsin 53105 (Site), in accordance with the scope of services described in our proposal submitted in April, 2015. The Phase II ESA was completed to prepare for potential redevelopment of the Site as a parking lot.

LF Green was subsequently authorized to oversee excavation of naphthalene-impacted soils identified by the Phase II ESA and to collect soil samples from the excavation to obtain No Further Action for the site in accordance with NR 708.09.

1.2 Reliance

This report was prepared on behalf of and for use by Burlington in accordance with the contract between Burlington and LF Green Development. No other party has a right to rely on the contents of this report without the written authorization of LF Green Development.

1.3 Project Objective

The objective of the work was to remove soil impacts previously identified at the site from a 2010 underground storage tank (UST) removal and the Phase II ESA and obtain No Further Action in accordance with NR 708.09.



2 SITE BACKGROUND

2.1 Site Location and Description

Site Location: 256 W. State Street, Burlington, WI
SW 1/4 of the NW 1/4 of Sec 32, T03N, R19E
Latitude: 42.6762067 Longitude: -88.2820014

WDNR Site Name: Burlington Quick N Save
BRRTS# 03-52-296786

Parcel ID: 206-03-19-32-028-000

Acreage: 0.1716 Acres

Current Zoning: B-2 (Central Business)

Planned Zoning: B-2 (Central Business)

The property is owned by the City of Burlington and is vacant. The site had been developed with a single-story structure occupied by Quick N Save convenience store, which was demolished November 2016. The property will be retained by the City of Burlington as a small greenspace with a City of Burlington sign proposed for the site.

The site is an irregularly shaped parcel bounded by West State Street to the south, Milwaukee Avenue to the west, and McHenry Street to the East. An historic commercial building, currently occupied by a tavern and restaurant, is immediately adjacent to the north side of the Quick N Save building. Three underground storage tanks (USTs) and associated piping were removed from the Site in 2010 by the prior property owners.

Adjacent Properties

Direction	Site
North	230 Milwaukee Avenue; historic restaurant building
East	McHenry Street; parking lot further east across McHenry Street
South	West State Street; single family residential further south across State Street
West	Milwaukee Avenue; single family residential further west across Milwaukee Avenue

2.2 Previous Investigation Data

LF Green completed a Phase I for the Site in April 2015. The Phase I revealed that during the removal of the 3 USTs at the site in 2010, one of the closure samples exceeded the direct contact non-industrial RCLs for naphthalene. The Phase I was titled:

PHASE I ENVIRONMENTAL SITE ASSESSMENT, 256 STATE STREET,

BURLINGTON, WISCONSIN; prepared by LF Green Development, LLC, dated April 24, 2015.

Seymour Environmental Services, Inc. completed a Tanks System Site Assessment (TSSA) for three underground storage tanks (USTs) removed from the subject property in 2010. The USTs removed included a 10,000 gallon gasoline tank, a 6,000 gallon diesel tank, and a 6,000 gallon gas tank. The TSSA included collecting soil samples from the natural soils from the tank excavations and beneath the piping. A copy of the TSSA report is included as Appendix A.

Based on the Phase I ESA, a Phase II was recommended to obtain case closure for the site prior to redevelopment of the site.

2.3 Physical Setting

Historical United States Geological Survey (USGS) 15 Series – 1:62,500 Scale (Racine) and 7.5 Series - 1:24,000 Scale quadrangle topographic maps of the project area and the vicinity for the years 1905, 1907, 1959, and 1971 were reviewed to gather the historical land use information of the project area.

A review of the historical use information of the subject site showed that the area has been residential and some commercial since 1937. The subject site is identified in the 1937 aerial and appears to be a residence. The 1995 aerial shows the property as it appears today. There has been very little change since the 1995 aerial. No obvious area of concern on or adjacent to the subject site was observed.

2.3.1 Geology

The unconsolidated sediment in the Site vicinity is postglacial lower terrace deposits, which consist of sand and gravel. The deposit may contain zones of cobbles (Meyer and Hobbs, 1989). The uppermost bedrock unit in the western Site vicinity is the Middle Ordovician, St. Peter Sandstone (Olsen and Bloomgren, 1989). The St. Peter Sandstone is described as a fine- to medium-grained, friable quartz sandstone in the upper half to two thirds of the unit. The lower part of the St. Peter Sandstone contains multicolored beds of mudstone, siltstone and shale with interbedded, very coarse sandstone. The uppermost bedrock unit in the eastern Site vicinity is the Lower Ordovician, Prairie du Chien Group (Olsen and Bloomgren, 1989). The Prairie du Chien Group is described as Dolostone that varies greatly in thickness because its top is a major erosional surface.

The formation is sandy with minor amounts of shale in the upper third to half of the section. The lower part of the section is less sandy except within 10 to 15 feet of the base. The depth to bedrock in the Site vicinity is 20 feet to 50 feet below land surface (Bloomgren, Cleland and Olsen, 1989).

2.3.2 Hydrogeology

The ground contour is relatively flat at the project area (approximately 802 feet above the Mean Sea Level (MSL)). The site elevation relative to surface water elevation suggest that groundwater occurs at a depth of approximately 35 feet bgs. According to published geologic information, the regional groundwater flow direction within the Site vicinity is generally north/north easterly. However, nearby streams, lakes, wells, and/or wetlands may locally affect the flow direction of groundwater.

3 SCOPE OF SERVICES

The following tasks were conducted at the Site as part of the Phase II ESA and subsequent Remedial Action:

- Coordinated with City of Burlington and Contractors
- Advanced four soil borings designated as B1 through B4 to evaluate the nature and extent of petroleum volatile organic compound (PVOC) impacts identified during the TSSA.
- Screened soil samples collected from the soil borings for the presence of organic vapors using a photoionization detector (PID). Visual and olfactory observations regarding potential contamination also were made and recorded.
- Laboratory analyses of soil samples for the following parameters: volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and lead
- Evaluated the data and prepare Phase II ESA Report including:
 - Boring logs
 - Site maps and figures
 - Analytical tables

The area around Sample S10, collected during the TSSA, were excavated and landfilled during the demolition activities. The tasks associated with the remedial action were:

- Determine the vertical and horizontal extent of impacts around the TSSA sample S10
- Coordinate landfill profile and manifests for soil disposal;
- Supervise the demolition contractor to excavate the approximately 35 tons of soil around the TSSA sample S10 location;
- Collect closure samples following the excavation to verify that all impacted soil was removed and no impacts remain.
- Evaluated the data and prepare this report including:
 - Boring logs
 - Site maps and figures
 - Analytical tables
 - Conclusions and recommendations



4 PHASE II ESA METHODS AND PROCEDURES

4.1 General Information

The fieldwork relating to the Phase II ESA was conducted on May 12, 2016. Prior to beginning the field investigation, public utilities were cleared through Diggers hotline and a private utility locate company.

Four (4) direct push soil borings (designated B1 through B4) were advanced at the Site. Soil boring locations were chosen to evaluate the nature and extent of previous impacts identified.

All equipment decontamination, sample collection, sample custody records, and analysis were performed in general accordance with methods prescribed by the United States EPA and the WDNR.

4.2 Soil Evaluation

4.2.1 Soil Borings

Horizon Exploration Company was contracted by LF Green to advanced four soil borings, designated as B1 through B4 at the Site to depths of 20 feet below ground surface (bgs). The soil borings were completed with a hydraulically-driven push-probe sampling rig. To collect the soil samples from the borings, a disposable thin-walled PVC liner was placed inside of a 5-foot long sampling tool. The borehole was then advanced using a dual-tube system, which allows for the inner sampling tool to be pushed through a larger outer-diameter rod a total penetration depth of up to 5 feet. After advancing the tooling, the sampler was removed from the borehole, but the outer rod remained, keeping the borehole open, and the soil sample was retrieved from the PVC liner for field screening and classification. The process was then repeated to the termination

depths of the borings. Boring locations are shown in Figure 2. The Phase II ESA soil boring logs are included as Appendix B.

Upon completion, soil borings were sealed with bentonite in accordance with Wisconsin Department of Natural Resources (WDNR) NR 141 regulations.

4.2.2 Soil Classification and Monitoring

The soils encountered in the soil borings were visually and manually classified in the field by an environmental technician using ASTM D 2487 “Unified Soils Classification System” and ASTM D 2488 “Recommended Practice for Visual and Manual Description of Soils.” In addition, the soil samples were screened for the presence of organic vapors using a PID. The PID was equipped with a 10.6 electron-volt lamp and calibrated to an isobutylene standard. The PID was used to perform a headspace method of field-analyses, as recommended by the WDNR in Petroleum Remediation Program Guidance.

4.2.3 Soil Laboratory Analyses

Two soil samples for laboratory analyses were collected from each soil boring. If indications of contamination were observed in the field, the samples for laboratory analyses were collected from that interval. If no indications of contamination were observed, the soil samples were collected from the depth most likely to be impacted based on the potential contaminant source. One sample was taken at shallow depths (2-4 ft.) the depth of the piping runs and, since groundwater was not encountered, the second sample was collected from the depth most likely to be the approximate depth of the bottom of the USTs (10-12 ft.).

Samples were delivered to Pace Analytical (Pace) and analyzed for a combination of the following parameters:

- VOCs using United States Environmental Protection Agency (EPA) Method 8260
- Lead using EPA Methods 6010
- PAHs using EPA Method 8270

Soil laboratory analytical reports are included as Appendix C.

4.3 Groundwater Evaluation

Groundwater was not encountered by the soil borings. Monitoring wells were therefore not installed.



5 PHASE II ESA FINDINGS

5.1 Geologic Conditions

Soil boring logs with descriptions of the various soil strata and groundwater-level information encountered in the soil borings are included in Appendix B. The depths shown as changes between the soil types are approximate. The actual changes may be transitional, and the transition depths are likely to be horizontally variable.

Throughout much of the Site, light brown silty sand or sand with some gravel was encountered in all borings to a maximum drilled depth of 20 feet bgs. The borings did not encounter groundwater.

5.2 Field Screening

Soils collected during drilling activities were field screened for evidence of volatile organic vapors. PID readings were taken of all the soils collected and were PID screened at 2 foot intervals. The PID screening did not detect measurable vapor levels.

A summary of the soil screening results for the soil samples is provided in Table 1.

5.3 Soil Analytical Testing Results

The WDNR has established Direct Contact RCLs for Industrial and Non-Industrial sites and Groundwater Pathway RCLs. The soil sample analytical results were compared to Direct Contact RCLs (0 to 4 feet bgs) and Groundwater Pathway RCLs. A brief summary of soil analytical results from both the TSSA sampling and the May 2016 Phase II sampling is discussed below. A detailed summary is provided in Table 1.

- **VOCs** – No VOCs were detected in the soil boring samples. Naphthalene was detected in the TSSA sample #10 at a concentration exceeding the Non-Industrial Pathway Direct Contact RCL.
- **PAHs** – concentrations detected did not exceed the Non-Industrial Direct Contact Pathway RCLs.
- **Lead** - Lead concentrations detected in Phase II sample B3-1 (2-4 feet bgs) and sample B4-1 (2-4 feet bgs) exceeded the Background Threshold Value but did not exceed direct contact RCLs. Although the lead levels detected in these samples exceed the Groundwater Pathway RCL, the shallow depth of the samples, the low solubility of lead in groundwater, and the depth to groundwater (greater than 20 feet) indicate that the groundwater pathway is not at risk from shallow lead impacts.

The complete Phase II ESA laboratory reports with chain of custody forms are attached in Appendix C.

5.4 Quality Assurance/Quality Control

All down-hole boring and sampling equipment was decontaminated before use and between sampling events by scrubbing off soil particles with a brush and water in a bucket with an Alconox solution and then rinsing the sampler in a separate bucket of clean water. Two or more geoprobe samplers were used alternately to minimize drilling delays during decontamination of the sampler.

The samples were collected in the laboratory provided jars as required by WDNR guidance documents. All samples were stored in a cooler with ice and maintained at a temperature of approximately 4 C until delivered under chain of custody procedures to laboratory personnel.

Analyses were performed using EPA or other recognized standard procedures. Data were reviewed prior to release, quality-control guidelines were generally met, and the data is considered usable. Specific information on standard operating procedures, detection limits, and quality-control measures is available upon request.

6 REMEDIAL ACTION

In 2016, following the Phase II Investigation activities the on-site buildings were removed for future development. Prior to the demolition of the buildings, a landfill profile was acquired to allow for landfilling of soils around Sample S-10 (from the original TSSA Report). Following the demolition activities, approximately 47 tons of soil around sample S-10 was excavated and landfilled. Five closure soil samples were collected from the sidewalls and bottom of the excavation (EAST, WEST, NORTH, SOUTH, and BOTTOM). The excavation location and soil sampling locations are depicted as Figure 3.

Soil samples collected following the excavation were analyzed for lead and VOCs. VOCs were not detected in the excavation samples, and lead concentrations detected were below the NR 720 RCLs in all samples. Soil laboratory analytical reports are included as Appendix D. Landfill disposal documentation is included as Appendix E.

7 CONCLUSIONS

Based on the results of the Phase II ESA and the results from the excavation of soils around sample S-10, we conclude the following:

- Non-Industrial Direct Contact Pathway RCLs were exceeded for naphthalene in one of the 20 samples analyzed (TSSA and Phase II samples).
- Groundwater was not encountered in the soil borings completed, and the groundwater pathway is not at risk.
- There is no risk of vapor migration from the source area. The source of the impacts is isolated to the shallow soil in the area of the former dispenser islands, more than 100 feet from any building. Free product was not detected in any of the soil samples, and the soil borings did not encounter groundwater.
- Approximately 47 tons of soil from around the former sample S-10 were excavated and landfilled during the building demolition. Laboratory results from the closure samples collected from the bottom and sidewalls of the excavation were all no detect for VOCs.
- The future land use for the site will be a greenspace with a welcome sign for the City of Burlington.
- No Further Action in accordance with NR 708.09 is appropriate for this site.



8 RECOMMENDATIONS

Based on the results of the Phase II ESA and remedial excavation, LF Green recommends that the City of Burlington pursue a No Further Action letter in accordance with NR 708.09.

The City of Burlington is submitting this report, with appropriate fee (\$350) and completion of RR Form 440-237 (<http://dnr.wi.gov/files/PDF/forms/4400/4400-237.pdf>) to WDNR requesting a No Further Action.



9 ASSESSMENT LIMITATIONS

The analyses and conclusions submitted in this report are based on our field observations and the results of laboratory chemical analyses of soil samples from the soil borings and soil excavation samples completed for this project.

In performing its services, LF Green used that degree of care and skill ordinarily exercised under similar circumstances by reputable members of its profession currently practicing in the same locality. No warranty, express or implied, is made.



FIGURES

FIGURE I - SITE LOCATION MAP

256 W State St



SITE

Figure 2 -Boring Location Map

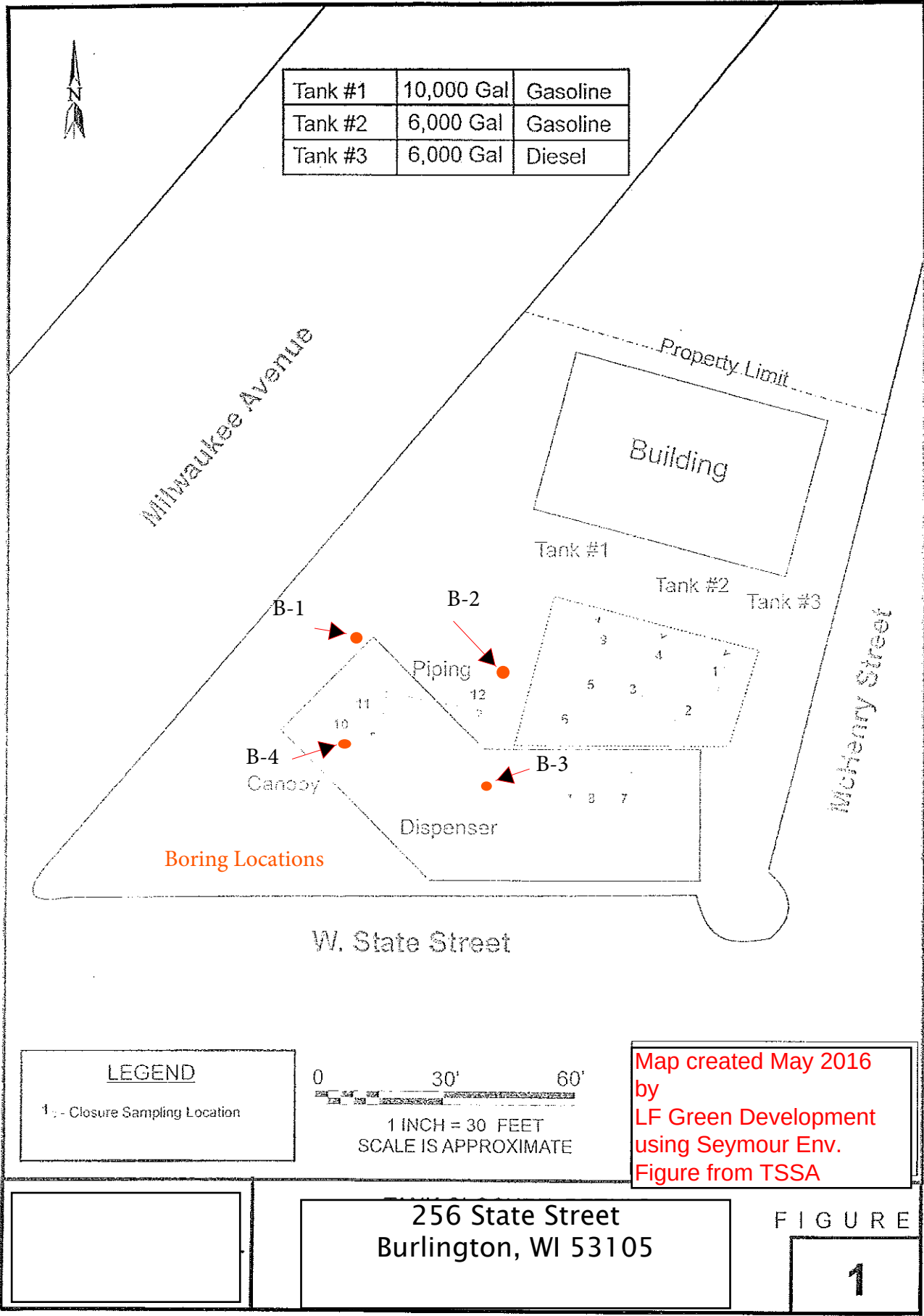
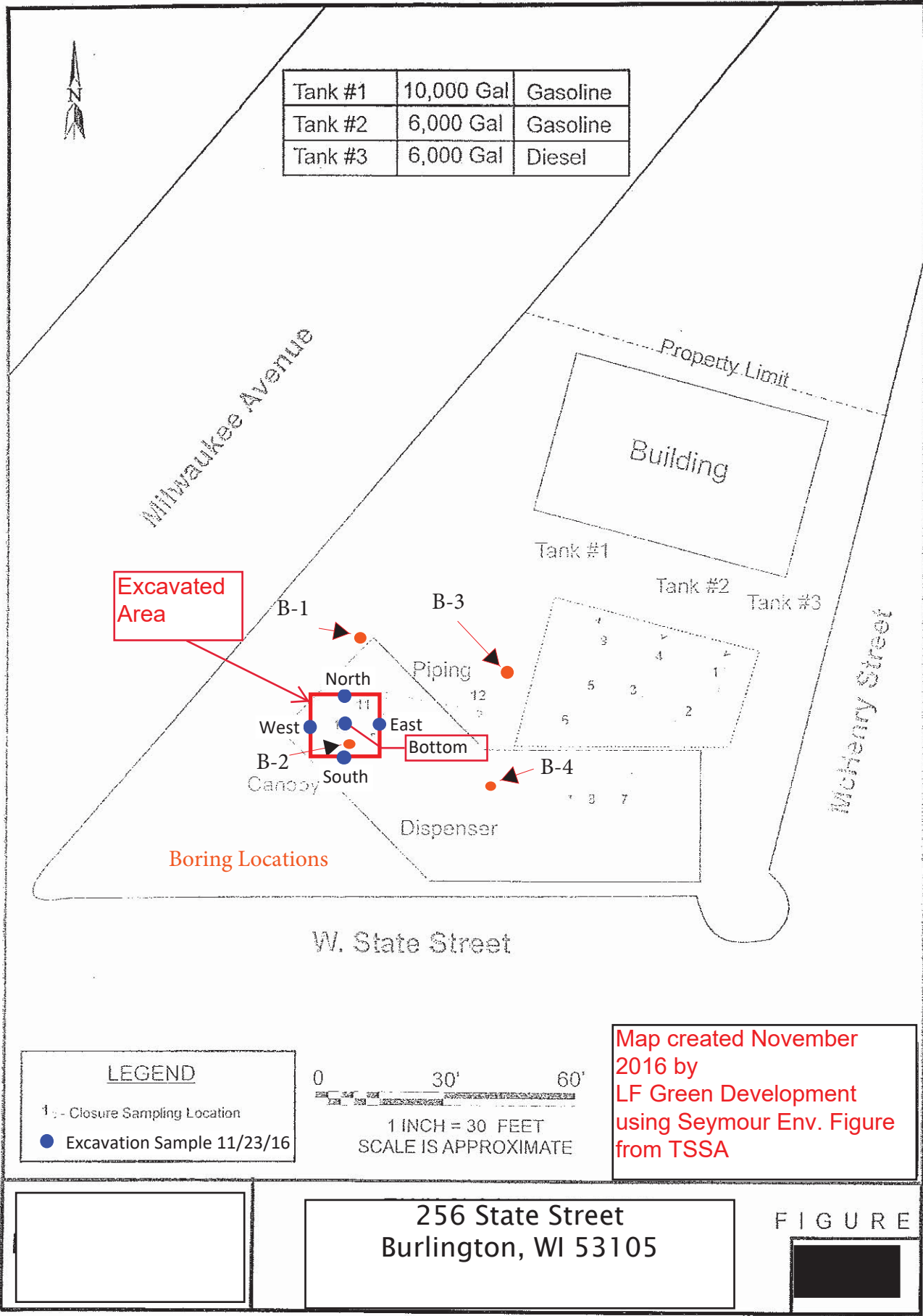


Figure 3 - Soil Excavation Location Map





TABLE

Table 1: Soil Sample Analytical Results
256 W. State Street, Burlington WI

Project Phase	PVOCs + Naphthalene (µg/kg)														GRO (mg/kg)	DRO (mg/kg)	VOCs (µg/kg)
	Sample #	Depth (ft bgs)	Date Collected	PID (ppm eq)	Lead (ppm)	Benzene	Ethylbenzene	Methyl-tert-butyl ether	Naphthalene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	m&p-Xylene	o-Xylene	GRO	DRO	See Laboratory Report for Detection Limits
Tank System Service Assessment Sample Results	#1	BT	10/4/2010	ND	-	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	-	<1.0	-
	#2	BT	10/4/2010	ND	-	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	-	<0.93	-
	#3	BT	10/4/2010	ND	-	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<2.7	-	-
	#4	BT	10/4/2010	ND	-	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<3.4	-	-
	#5	BT	10/4/2010	ND	-	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<2.9	-	-
	#6	BT	10/4/2010	ND	-	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<2.7	-	-
	#7	3'	10/4/2010	0.5	-	<25.0	<25.0	<25.0	64.7	112	119	120	225	120	<1.3	4.2	-
	#8	3'	10/4/2010	ND	-	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<2.8	-	-
	#9	BT	10/4/2010	ND	-	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<2.7	-	-
	#10	3'	10/4/2010	857	-	<312	<u>2750</u>	<312	11200*	646J	52000	26000	6300	2360	1420	-	-
	#11	3'	10/4/2010	ND	-	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<2.6	-	-
	#12	BT	10/4/2010	ND	-	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<25.0	<3.1	-	-
Phase II Sample Results	B1-1	2-4'	5/12/2016	<10	25.3	-	-	-	-	-	-	-	-	-	-	-	ND
	B1-2	10-12'	5/12/2016	<10	3.8	-	-	-	-	-	-	-	-	-	-	-	ND
	B2-1	2-4'	5/12/2016	<10	15.6	-	-	-	-	-	-	-	-	-	-	-	ND
	B2-2	10-12'	5/12/2016	<10	5.4	-	-	-	-	-	-	-	-	-	-	-	ND
	B3-1	2-4'	5/12/2016	<10	61.2*	-	-	-	-	-	-	-	-	-	-	-	ND
	B3-2	10-12'	5/12/2016	<10	11.0	-	-	-	-	-	-	-	-	-	-	-	ND
	B4-1	2-4'	5/12/2016	<10	195*	-	-	-	-	-	-	-	-	-	-	-	ND
	B4-2	10-12'	5/12/2016	<10	17.6	-	-	-	-	-	-	-	-	-	-	-	ND
Soil Excavation Sample Results	North	2'	11/23/2016	<10	12.7	<25.0	<25.0	<25.0	<40.0	<25.0	<25.0	<25.0	<50.0	<25.0	-	-	ND
	South	2'	11/23/2016	<10	21.3	<25.0	<25.0	<25.0	<40.0	<25.0	<25.0	<25.0	<50.0	<25.0	-	-	ND
	East	2'	11/23/2016	<10	12.8	<25.0	<25.0	<25.0	<40.0	<25.0	<25.0	<25.0	<50.0	<25.0	-	-	ND
	West	2'	11/23/2016	<10	4.8	<25.0	<25.0	<25.0	<40.0	<25.0	<25.0	<25.0	<50.0	<25.0	-	-	ND
	Bottom	4'	11/23/2016	<10	17.7	<25.0	<25.0	<25.0	<40.0	<25.0	<25.0	<25.0	<50.0	<25.0	-	-	ND
	NR720 Background Threshold Value				51.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	-
	NR720 DC - Industrial RCLs (1)				800	7401	37000	293000	26000	818000	219000	182000	260000	260000	NS	NS	-
	NR720 DC - NonIndustrial RCLs (1)				400	1490	7470	59400	5150	818000	89800	182000	260000	260000	NS	NS	-
	Groundwater Protection RCLs (1)				27	5.12	1570	27	658	3960	NS	NS	3960	3960	NS	NS	-

NOTES: All results are in micrograms per kilogram (µg/kg) unless otherwise noted
BT: Sample collected from natural soil below former UST, approximate depth 10-12 feet bgs
* Growndwater Pathway is not at risk based on sample depth relative to water table (greater than 20 feet bgs)
** Direct Contact Pathway is not at risk basked on sample depth
- : Not Analyzed
NS: No Standard
ND: Not detected
(1) = RCL unit concentrations same as lab results
BOLD and boxed values exceed the WDNR NR 720 - Industrial RCLs for the direct contact exposure pathway
BOLD values exceed the WDNR NR 720 - Non-Industrial RCLs for the direct contact exposure pathway
BOLD ITALIC underline values exceed NR 720 Groundwater Protection RCLs
PID = photoionization detector
ft bgs = feet below ground surface
ppm eq = parts per million equivalent
VOC = Volatile Organic Compounds
PAH = Polycyclic Aromatic Hydrocarbons

Table 1: Soil Sample Analytical Results
256 W. State Street, Burlington WI

Project Phase					PAHs (mg/kg)																	
	Sample #	Depth (ft bgs)	Date Collected	PID (ppm eq)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
Tank System Service Assessment Sample Results	#1	BT	10/4/2010	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	#2	BT	10/4/2010	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	#3	BT	10/4/2010	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	#4	BT	10/4/2010	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	#5	BT	10/4/2010	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	#6	BT	10/4/2010	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	#7	3'	10/4/2010	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	#8	3'	10/4/2010	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	#9	BT	10/4/2010	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	#10	3'	10/4/2010	857	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	#11	3'	10/4/2010	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	#12	BT	10/4/2010	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phase II Sample Results	B1-1	2-4'	5/12/2016	<10	<0.0106	<0.0095	<0.011	<0.0074	<0.0076	<0.0106	<0.0081	<0.0118	<0.0098	<0.0078	<0.0106	<0.0106	<0.0081	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106
	B1-2	10-12'	5/12/2016	<10	<0.0088	<0.0079	0.011 J	0.0270	0.0233**	0.0239	0.0155 J	0.0261	0.0435	<0.0064	0.0979	<0.0088	0.0041 J	0.0647	0.1310	0.1020	0.0590	0.0608
	B2-1	2-4'	5/12/2016	<10	<0.0104	<0.0093	<0.0108	<0.0072	<0.0074	<0.0104	<0.0079	<0.0115	<0.0096	<0.0076	<0.0104	<0.0104	<0.0079	<0.0104	<0.0104	<0.0104	<0.0104	<0.0104
	B2-2	10-12'	5/12/2016	<10	<0.0087	<0.0077	<0.009	0.0065 J	<0.0062	<0.0087	<0.0066	<0.0096	0.0133 J	<0.0063	0.0280	<0.0087	<0.0066	<0.0087	<0.0087	<0.0087	0.0159 J	0.0172 J
	B3-1	2-4'	5/12/2016	<10	<0.0093	<0.0083	<0.0096	0.0105 J	0.0127 J	0.0124 J	0.0205	0.0129 J	0.0164 J	<0.0068	0.0256	<0.0093	0.0104 J	<0.0093	<0.0093	<0.0093	0.0130 J	0.0188
	B3-2	10-12'	5/12/2016	<10	<0.0107	<0.0096	<0.0111	<0.0074	<0.0076	<0.0107	<0.0081	<0.0118	<0.0099	<0.0078	<0.0107	<0.0107	<0.0081	<0.0107	<0.0107	<0.0107	<0.0107	<0.0107
	B4-1	2-4'	5/12/2016	<10	<0.0087	<0.0078	0.0141 J	0.0495	0.0113	0.0805	0.0410	0.0757	0.1370	0.0142 J	0.2130	<0.0087	0.0368	<0.0087	<0.0087	<0.0087	0.0891	0.1310
	B4-2	10-12'	5/12/2016	<10	<0.0102	<0.091	<0.0106	<0.0071	<0.0073	<0.0102	<0.0078	<0.0113	<0.0094	<0.0075	<0.0102	<0.0102	<0.0077	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102
Soil Excavation Sample Results	North	2'	11/23/2016	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	South	2'	11/23/2016	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	East	2'	11/23/2016	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	West	2'	11/23/2016	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bottom	4'	11/23/2016	<10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NR720 Background Threshold Value				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	NR720 DC - Industrial RCLs (1)				33000	NS	100,000	2.11	0.211	2.11	NS	21.1	211	0.21	22,000	22,000	2.11	53	2,200	26	NS	16,500
	NR720 DC - NonIndustrial RCLs (1)				3440	NS	17,200	0.148	0.015	0.148	NS	1.48	14.8	0.015	2,290	2,290	0.148	16	229	5.150	NS	1,720
	Groundwater Protection RCLs (1)				NS	NS	197	NS	0.47	0.48	NS	NS	0.145	NS	89	15	NS	NS	NS	0.659	NS	54

NOTES: All results are in micrograms per kg
BT: Sample collected from natural soil below
* Growndwater Pathway is not at risk based c
** Direct Contact Pathway is not at risk baske
- : Not Analyzed
NS: No Standard
ND: Not detected
(1) = RCL unit concentrations same as lab re
BOLD and boxed values exceed the WDNR l
BOLD values exceed the WDNR NR 720 - N
BOLD ITALIC underline values exceed NR 7
PID = photoionization detector
ft bgs = feet below ground surface
ppm eq = parts per million equivalent
VOC = Volatile Organic Compounds
PAH = Polycyclic Aromatic Hydrocarbons



APPENDIX A

TSSA REPORT

09-52-296786

608-242-8212

R24051017.16

DNR BOX # 5ERD22

Complete One Form for Each System Service Event

TANK SYSTEM SERVICE AND CLOSURE

RETURN COMPLETED CHECKLIST TO

The information you provide may be used
for secondary purposes
[Privacy Law, s.15.04 (1) (m), Wis. Stats.]

ASSESSMENT REPORT

CHECK ONE:

☒ UNDERGROUND

☐ ABOVEGROUND

FOR PORTIONS OF THE FORM THAT
DO NOT APPLY, CHECK THE 'N/A' BOX

Wisconsin Department of Commerce
ERS Division
Bureau of Petroleum Products and
Tanks
P.O. Box 7837
Madison, WI 53707-7837

Part A - To be completed by contractor performing repair or closure

A. TYPE OF SERVICE ☒ CLOSURE ☐ REPAIR/UPGRADE ☐ CHANGE-IN-SERVICE

Indicate portion of system being serviced if a repair, upgrade or change-in-service is being performed

☐ Remote fill ☐ Tank ☐ Piping ☐ Transition/containment sump ☐ Spill bucket ☐ Dispenser

B. IDENTIFICATION (Please Print)

1. Facility Name Burlington Quick n Save		2. Owner Name Tosco LLC	
Facility Street Address (not P.O. Box) 256 W. State Street		3. Contact Name Job Title	
Municipality Burlington		Mailing Address 2601 Wyngate Way	
☒ City ☐ Village ☐ Town of:		Post Office Waukesha State WI Zip Code 53189	
Zip Code 53105	County Racine	County	Telephone No. (include area code) ()
4. Primary Service Contractor Section A above HPS Inc.		Service Contractor Street Address 3948 State Rd. 19	
Service Contractor Telephone No. (include area code) (608) 242-8212		Service Contractor City, State, Zip Code Detroit WI 63632	

C. TANK SYSTEM DETAIL (Complete for all service activities)

a	b	c	d	e	f	g	h
Tank ID #	Type of Closure ¹	Tank Material of Construction	Piping Material of Construction	Tank Capacity (gallons)	Contents ²	Release - System Integrity Compromised (e.g. holes, cracks, loose connection, etc)?	If "Yes" to "g", Then Specify Source & Cause of Release ³
331689	P			10,000		☒ Y ☒ N	
331896	P			6,000		☒ Y ☒ N	
331897	P			6,000		☒ Y ☒ N	
						☐ Y ☐ N	
						☐ Y ☐ N	
						☐ Y ☐ N	

1. Indicate type of closure: P = Permanent, TOS = Temporarily Out-of-Service, CIP = Closure In-Place

2. Indicate type of product: DL = Diesel, LG = Leaded Gasoline, UG = Unleaded Gasoline, FO = Fuel Oil, GH = Gasohol, AF = Aviation Fuel, K = Kerosene, PX = Premix, WO = Waste/Used Motor Oil, FCHZW = Flammable/Combustible Hazardous Waste, OC = Other Chemical (indicate the chemical name(s))

CAS number(s):

3. Source of release: T = tank, P = piping, D = dispenser, STP = submersible turbine pump, DP = delivery problem, O = other

4. Cause of release: S = spill, O = overfill, POMD = physical or mechanical damage, C = corrosion, IP = installation problem, O = other

5. Has release been reported to the Department of Natural Resources? ☐ Yes ☐ No ☐ Release not evident at this time

D. CLOSURES (Check applicable box at right in response to all statements in section D)

Written notification was provided to the local agent 15 days in advance of closure date.

All local permits were obtained before beginning closure.

☒ Y ☐ N ☐ NA

☒ UST Form ERS-7437 or ☐ AST Form ERS-8731 filed by owner with the Dept. of Commerce indicating closure.

☒ Y ☐ N ☐ NA

NOTE: TANK INVENTORY FORM ERS-7437 or ERS-8731 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH CLOSURE or CHANGE-IN-SERVICE CHECKLIST

D.1 ☐ TEMPORARILY OUT-OF-SERVICE

1. Product removed.

a. Product lines drained into tank (or other container) and liquid removed, and

b. All product removed to bottom of suction line, OR

c. All product removed to within 1" of bottom.

2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.

3. All product lines at the islands or pumps located elsewhere are removed and capped, OR

Remover
Verified

Inspector
Verified

NA

☐ Y ☐ N

☐ Y ☐ N

☐

☐ Y ☐ N

☐ Y ☐ N

☐

☐ Y ☐ N

☐ Y ☐ N

☐

☐ Y ☐ N

☐ Y ☐ N

☐

☐ Y ☐ N

☐ Y ☐ N

☐

4. Dispensers/pumps left in place but locked and power disconnected. ☐ Y ☐ N ☐ Y ☐ N ☐
5. Vent lines left open. ☐ Y ☐ N ☐ Y ☐ N ☐
6. Inventory form filed indicating temporarily out-of-service (TOS) closure. ☐ Y ☐ N ☐ Y ☐ N ☐

D.2. ☒ CLOSURE BY REMOVAL OR IN-PLACE

1. General Requirements

- a. Product from piping drained into tank (or other container). ☒ Y ☐ N ☒ Y ☐ N ☐
- b. Piping disconnected from tank and removed. ☒ Y ☐ N ☒ Y ☐ N ☐
- c. All liquid and residue removed from tank using explosion-proof pumps or hand pumps. ☒ Y ☐ N ☒ Y ☐ N ☐
- d. All pump motors and suction hoses bonded to tank or otherwise grounded. ☒ Y ☐ N ☒ Y ☐ N ☐
- e. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed. ☒ Y ☐ N ☒ Y ☐ N ☐
- f. Vent lines left connected until tanks purged. ☒ Y ☐ N ☒ Y ☐ N ☐
- g. Tank openings temporarily plugged so vapors exit through vent. ☒ Y ☐ N ☒ Y ☐ N ☐
- h. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section E. ☒ Y ☐ N ☒ Y ☐ N ☐

2. Specific Closure-by-Removal Requirements

- a. Tank removed from excavation after PURGING/INERTING; placed on level ground and blocked to prevent movement. ☒ Y ☐ N ☒ Y ☐ N ☐
- b. Tank cleaned before being removed from site. ☒ Y ☐ N ☒ Y ☐ N ☐
- c. Tank labeled in 2" high letters after removal but before being moved from site. ☒ Y ☐ N ☐ Y ☐ N ☐
- NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.
- d. Tank vent hole (1/8" in uppermost part of tank) installed prior to moving the tank from site. ☐ Y ☒ N ☐ Y ☐ N ☐
- e. Site security is provided while the excavation is open. ☒ Y ☐ N ☐ Y ☐ N ☐

3. Specific Closure-in-Place Requirements

NOTE: CLOSURES IN-PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF COMMERCE OR LOCAL AGENT.

- a. Tank properly cleaned to remove all sludge and residue. ☐ Y ☐ N ☐ Y ☐ N ☐
- b. Solid inert material (sand, cyclone boiler slag, or pea gravel recommended) introduced and tank filled. ☐ Y ☐ N ☐ Y ☐ N ☐
- c. Vent line disconnected or removed. ☐ Y ☐ N ☐ Y ☐ N ☐
- d. Inventory form filed by owner with the Department of Commerce indicating closure in-place. ☐ Y ☐ N ☐ Y ☐ N ☒

E. REPAIR, UPGRADE OR CHANGE-IN-SERVICE

Written notification was provided to the local agent 15 days in advance of service date.

All local permits were obtained before beginning service.

Form ERS-7437 or ☐ ERS-8731 filed by owner with the Department of Commerce indicating change-in-service.

☐ Y	☐ N	☐ NA
☐ Y	☐ N	☐ NA
☐ Y	☐ N	☐ NA

F. METHOD OF VAPOR FREEING OF TANK

- ☒ Displacement of vapors by eductor or diffused air blower.
Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground.
Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.
- ☐ Inert gas using dry ice or liquid carbon dioxide.
- ☐ Inert gas using CO₂ or N₂ NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. LEL METERS MAY NOT FUNCTION ACCURATELY. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT.
Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent.
Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.
- ☒ Readings of 10% or less of the lower flammable range (LEL) or 0% oxygen obtained before removing tank from ground.
- ☒ Tank atmosphere monitored for flammable or combustible vapor levels prior to and during cleaning and cutting.
- ☒ Calibrate combustible gas indicator and/or oxygen meter prior to use. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank.

G. REMOVER/CLEANER INFORMATION

Jon J. Heller Jon J. Heller 42281 10-4-10
Remover/Cleaner Name (print) Remover/Cleaner Signature Certification No. Date Signed

I attest that the procedures and information which I have provided as the tank closure contractor are correct and comply with Comm 10.

Company expected to perform soil contamination assessment Seymour Environmental 608-838-9120

H. INSPECTOR INFORMATION

LeRoy A. Nordmeyer [Signature] 262487 N/A
Inspector Name (print) Inspector Signature Inspector Cert # LPO Agency #

762-275-8759 10/5/10
Inspector Telephone Number Date Signed

FDID # For Location Where Inspection Performed

TDID#:
Reg Obj #: 331689

UNDERGROUND
FLAMMABLE/COMBUSTIBLE/HAZARDOUS
LIQUID STORAGE TANK REGISTRATION
Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Petroleum Products and
Tanks
P.O. Box 7837
Madison, WI 53707-7837

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☒ Yes ☐ No If yes, are you correcting/updating information only? ☒ Yes ☐ No

Personal Information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)].

This registration applies to a tank status that is (check one):		Fire Department providing fire coverage where tank is located: ☒ City ☐ Village ☐ Town of: Burlington
☐ In Use	☒ Closed - Tank Removed	
☐ Newly Installed	☐ Closed - Filled with Inert Materials	
☐ Abandoned with Product	☐ Abandon with Water	
☐ Abandoned without Product (empty)	☐ Temporarily Out of Service - Provide Date: _____	
☐ Ownership Change (Indicate new owner name in block 2)		

A. IDENTIFICATION (Please Print)		Site Street Address	Site Telephone Number
1. Tank Site Name		256 W. State Street	()
Burlington Quick N Save			
☒ City ☐ Village ☐ Town of:	State	Zip Code	County
Burlington	WISCONSIN	53105	Racine
2. Tank Owner Name		Mailing Address	Telephone Number
Tosan LLC		2601 Wyngate Way	()
☒ City ☐ Village ☐ Town of:	State	Zip Code	County
Waukesha	WI	53189	
3. Property Owner Name (if different than tank owner)		Property Owner Address if different than #1	

B. Site ID #:	Facility ID #: 168922	Customer ID #: 998572
C. Tank Capacity (gallons): 10,000	Tank Age (age or date installed): 1-1-1975	Vehicle fueling: ☒ Yes ☐ No
D. LAND OWNER TYPE (check one) Refer to back		
☐ County ☐ State ☐ Federal Leased ☐ Federal Owned ☐ Tribal Nation ☐ Municipal ☐ Other Government ☒ Private		

E. OCCUPANCY TYPE (check one) Refer to back	
☒ Retail Fuel Sales	☐ Bulk Storage ☐ Terminal Storage ☐ Mercantile/Commercial ☐ Industrial ☐ Residential ☐ School
☐ Agricultural (crop or livestock production)	☐ Backup or Emergency Generator ☐ Gov't Fleet ☐ Utility ☐ Other (specify):

F. Tank Construction:	Overfill Protection? ☐ Yes ☐ No
☐ Bare Steel ☐ Coated Steel ☐ Stainless steel ☐ Steel - Fiberglass Reinforced Plastic Composite	Spill Containment? ☐ Yes ☐ No
☐ Fiberglass ☐ Unknown ☐ Other (specify): _____	☐ Lined (date): _____

G. Tank Cathodic Protection:	Tank Double Walled? ☐ Yes ☐ No
☐ Sacrificial Anodes ☐ Impressed Current ☐ N/A	

H. Primary Tank Leak Detection Method:
☐ Automatic tank gauging ☐ Interstitial monitoring ☐ Inventory control and tightness testing ☐ Groundwater monitoring ☐ Vapor monitoring
☐ Manual tank gauging (only for tanks of 1,000 gallons or less) ☐ Statistical Inventory Reconciliation (SIR) ☐ Unknown

I. Piping Construction:
☐ Bare Steel ☒ Coated Steel ☐ Stainless Steel ☐ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown ☐ NA ☐ Other

J. Piping Cathodic Protection:	Pipe Double Walled? ☐ Yes ☐ No
☐ Sacrificial Anodes ☐ Impressed Current ☐ N/A	

K. Primary Piping System Type:	A. ☐ auto shutoff; B. ☐ alarm, or C. ☐ flow restrictor ☐ Unknown
☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil	

L. Piping Leak Detection Method: (used if pressurized or check valve at tank):	☐ SIR ☐ Tightness testing ☐ Electronic line leak monitor
☐ Groundwater monitoring ☐ Vapor monitoring ☐ Interstitial monitoring ☐ Not required ☐ Unknown	

M. Vapor Recovery/Stage II	CARB #:
☐ Fiberglass ☐ Flexible ☐ Other: _____	
☐ Operational - Provide Date (mo./day/yr.): _____	☐ Non-Operational - Provide Date (mo./day/yr.): _____

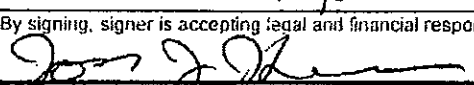
N. TANK CONTENTS (Current, or previous product (if tank now empty))	
☐ Leaded ☐ Unleaded ☐ Gasohol ☐ E85 ☐ Diesel ☐ Bio-diesel ☐ Aviation ☐ Premix ☐ Fuel Oil ☐ Kerosene ☐ New Oil	
☐ Waste/Used Motor Oil ☐ Hazardous Waste* ☐ Unknown ☐ Empty* ☐ Sand/Gravel/Slurry* ☐ Other (specify):	
☐ Chemical* Name _____	CAS #: _____

* NOT PECFA eligible.

Geo Latitude:

Geo Longitude:

O. If Tank Closed, Abandoned or Out of Service	Has a site assessment been completed? (see reverse side for details)
Give date (mo./day/yr.): October 4th 2010	☒ Yes ☐ No

Tank Owner Name (please print): Jon Heller Agent for Owner	
Tank Owner Signature (Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.)	Date
	10-5-10

TDID#:
Reg Obj #: 331896

UNDERGROUND **FLAMMABLE/COMBUSTIBLE/HAZARDOUS** **LIQUID STORAGE TANK REGISTRATION** Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
 Department of Commerce
 Bureau of Petroleum Products and
 Tanks
 P.O. Box 7837
 Madison, WI 53707-7837

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☒ Yes ☐ No If yes, are you correcting/updating information only? ☒ Yes ☐ No
 Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)].

This registration applies to a tank status that is (check one):		Fire Department providing fire coverage where tank is located:
☐ In Use	☒ Closed - Tank Removed	☐ City ☐ Village
☐ Newly Installed	☐ Closed - Filled with Inert Materials	☐ Town of:
☐ Abandoned with Product	☐ Abandon with Water	Burlington
☐ Abandoned without Product (empty)	☐ Temporarily Out of Service - Provide Date: _____	
☐ Ownership Change (Indicate new owner name in block 2)		

A. IDENTIFICATION (Please Print)		Site Street Address	Site Telephone Number
1. Tank Site Name		256 W. State Street	()
☒ City ☐ Village ☐ Town of:		State	Zip Code
Burlington		WISCONSIN	53105
2. Tank Owner Name		Mailing Address	Telephone Number
Tosan LLC		2601 Wyngate Way	()
☒ City ☐ Village ☐ Town of:		State	Zip Code
Waukesha		WI	53189
3. Property Owner Name (if different than tank owner)		Property Owner Address if different than #1	

B. Site ID #:	Facility ID #: 168922	Customer ID #: 998572
C. Tank Capacity (gallons): 6,000	Tank Age (age or date installed): 1-1-4975 1988	Vehicle fueling: ☒ Yes ☐ No
D. LAND OWNER TYPE (check one) Refer to back		
☐ County ☐ State ☐ Federal Leased ☐ Federal Owned ☐ Tribal Nation ☐ Municipal ☐ Other Government ☒ Private		

E. OCCUPANCY TYPE (check one) Refer to back	
☒ Retail Fuel Sales ☐ Bulk Storage ☐ Terminal Storage ☐ Mercantile/Commercial ☐ Industrial ☐ Residential ☐ School ☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Gov't Fleet ☐ Utility ☐ Other (specify): _____	

F. Tank Construction:	Overfill Protection? ☐ Yes ☐ No
☐ Bare Steel ☐ Coated Steel ☐ Stainless steel ☐ Steel - Fiberglass Reinforced Plastic Composite ☐ Fiberglass ☐ Unknown ☐ Other (specify): _____ ☐ Lined (date): _____	Spill Containment? ☐ Yes ☐ No
G. Tank Cathodic Protection: ☐ Sacrificial Anodes ☐ Impressed Current ☐ N/A	Tank Double Walled? ☐ Yes ☐ No

H. Primary Tank Leak Detection Method:
☐ Automatic tank gauging ☐ Interstitial monitoring ☐ Inventory control and tightness testing ☐ Groundwater monitoring ☐ Vapor monitoring ☐ Manual tank gauging (only for tanks of 1,000 gallons or less) ☐ Statistical Inventory Reconciliation (SIR) ☐ Unknown

I. Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Stainless Steel ☐ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown ☐ NA ☐ Other _____

J. Piping Cathodic Protection: ☐ Sacrificial Anodes ☐ Impressed Current ☐ N/A	Pipe Double Walled? ☐ Yes ☐ No
---	--

K. Primary Piping System Type: ☐ Pressurized piping with ☒ A. ☐ auto shutoff; B. ☐ alarm, or C. ☐ flow restrictor ☐ Unknown
☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil

L. Piping Leak Detection Method: (used if pressurized or check valve at tank): ☐ SIR ☐ Tightness testing ☐ Electronic line leak monitor
☐ Groundwater monitoring ☐ Vapor monitoring ☐ Interstitial monitoring ☐ Not required ☐ Unknown

M. Vapor Recovery/Stage II ☐ Fiberglass ☐ Flexible ☐ Other: _____ CARB #: _____
☐ Operational - Provide Date (mo./day/yr.): _____ ☐ Non-Operational - Provide Date (mo./day/yr.): _____

N. TANK CONTENTS (Current, or previous product (if tank now empty))
☐ Lead ☐ Unleaded ☐ Gasohol ☐ E85 ☐ Diesel ☐ Bio-diesel ☐ Aviation ☐ Premix ☐ Fuel Oil ☐ Kerosene ☐ New Oil ☐ Waste/Used Motor Oil ☐ Hazardous Waste* ☐ Unknown ☐ Empty* ☐ Sand/Gravel/Slurry* ☐ Other (specify): _____ ☐ Chemical* Name _____ CAS #: _____

* NOT PECFA eligible.	Geo Latitude:	Geo Longitude:
O. If Tank Closed, Abandoned or Out of Service	Has a site assessment been completed? (see reverse side for details)	
Give date (mo./day/yr.): October 4th 2010	☒ Yes ☐ No	

Tank Owner Name (please print): Jon Heller Agent for Owner	
Tank Owner Signature (Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.)	Date
<i>Jon Heller</i>	10-5-10

TDID#:
Reg Obj #: 331897

UNDERGROUND
FLAMMABLE/COMBUSTIBLE/HAZARDOUS
LIQUID STORAGE TANK REGISTRATION
Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Petroleum Products and
Tanks
P.O. Box 7837
Madison, WI 53707-7837

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☒ Yes ☐ No If yes, are you correcting/updating information only? ☒ Yes ☐ No
Personal information you provide may be used for secondary purposes (Privacy Law, s. 15.04 (1)(m)).

This registration applies to a tank status that is (check one):		Fire Department providing fire coverage where tank is located: ☒ City ☐ Village ☐ Town of: Burlington
☐ In Use	☒ Closed - Tank Removed	
☐ Newly Installed	☐ Closed - Filled with Inert Materials	
☐ Abandoned with Product	☐ Abandon with Water	
☐ Abandoned without Product (empty)	☐ Temporarily Out of Service - Provide Date: _____	
☐ Ownership Change (Indicate new owner name in block 2)		

A. IDENTIFICATION (Please Print)	
1. Tank Site Name	Site Street Address
Burlington Quick N Save	256 W. State Street
☒ City ☐ Village ☐ Town of:	State
Burlington	WISCONSIN
	Zip Code
	53105
	County
	Racine
2. Tank Owner Name	Mailing Address
Tosan LLC	2601 Wyngate Way
☒ City ☐ Village ☐ Town of:	State
Waukesha	WI
	Zip Code
	53189
	County
3. Property Owner Name (if different than tank owner)	Property Owner Address if different than #1

B. Site ID #:	Facility ID #: 168922	Customer ID #: 998572
C. Tank Capacity (gallons): 6,000	Tank Age (age or date installed): 1-1-1975	Vehicle fueling: ☒ Yes ☐ No

D. LAND OWNER TYPE (check one) Refer to back
☐ County ☐ State ☐ Federal Leased ☐ Federal Owned ☐ Tribal Nation ☐ Municipal ☐ Other Government ☒ Private

E. OCCUPANCY TYPE (check one) Refer to back
☒ Retail Fuel Sales ☐ Bulk Storage ☐ Terminal Storage ☐ Mercantile/Commercial ☐ Industrial ☐ Residential ☐ School ☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Gov't Fleet ☐ Utility ☐ Other (specify):

F. Tank Construction:	Overfill Protection? ☐ Yes ☐ No
☐ Bare Steel ☐ Coated Steel ☐ Stainless steel ☐ Steel - Fiberglass Reinforced Plastic Composite	Spill Containment? ☐ Yes ☐ No
☐ Fiberglass ☐ Unknown ☐ Other (specify): _____	☐ Lined (date): _____

G. Tank Cathodic Protection: ☐ Sacrificial Anodes ☐ Impressed Current ☐ N/A	Tank Double Walled? ☐ Yes ☐ No
---	---

H. Primary Tank Leak Detection Method:
☐ Automatic tank gauging ☐ Interstitial monitoring ☐ Inventory control and tightness testing ☐ Groundwater monitoring ☐ Vapor monitoring ☐ Manual tank gauging (only for tanks of 1,000 gallons or less) ☐ Statistical Inventory Reconciliation (SIR) ☐ Unknown

I. Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Stainless Steel ☐ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown ☐ NA ☐ Other _____

J. Piping Cathodic Protection: ☐ Sacrificial Anodes ☐ Impressed Current ☐ N/A	Pipe Double Walled? ☐ Yes ☐ No
---	---

K. Primary Piping System Type: ☐ Pressurized piping with ☐ auto shutoff; B. ☐ alarm, or C. ☐ flow restrictor ☐ Unknown ☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil
--

L. Piping Leak Detection Method: (used if pressurized or check valve at tank): ☐ SIR ☐ Tightness testing ☐ Electronic line leak monitor ☐ Groundwater monitoring ☐ Vapor monitoring ☐ Interstitial monitoring ☐ Not required ☐ Unknown
--

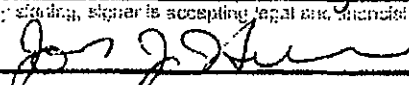
M. Vapor Recovery/Stage II ☐ Fiberglass ☐ Flexible ☐ Other: _____ CARB #: _____
☐ Operational - Provide Date (mo./day/yr.): _____ ☐ Non-Operational - Provide Date (mo./day/yr.): _____

N. TANK CONTENTS (Current, or previous product (if tank now empty))
☐ Leaded ☐ Unleaded ☐ Gasohol ☐ E85 ☐ Diesel ☐ Bio-diesel ☐ Aviation ☐ Premix ☐ Fuel Oil ☐ Kerosene ☐ New Oil ☐ Waste/Used Motor Oil ☐ Hazardous Waste* ☐ Unknown ☐ Empty* ☐ Sand/Gravel/Slurry* ☐ Other (specify): _____

☐ Chemical* Name _____ CAS #: _____
--

O. If Tank Closed, Abandoned or Out of Service Give date (mo./day/yr.): October 4th 2010	Geo Latitude: _____ Geo Longitude: _____ Has a site assessment been completed? (see reverse side for details) ☒ Yes ☐ No
--	---

Tank Owner Name (please print): Jon Heller Agent for Owner
--

Tank Owner Signature (Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.) 	Date 10-5-10
--	------------------------

Part B – To be completed by environmental professional

Submit original Part B to the WDNR along with a copy of Part A

I. TANK-SYSTEM SITE ASSESSMENT (TSSA)

Site Name: Burlington Quick N Save

Address: 256 West State Street, Burlington VT 53105

Note: Site name and address must match with Part A Section 1.

To determine if a TSSA is required, see Comm 10 and section II part B of ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.

If a TSSA is required, then follow the procedures detailed in ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.

1. Site Information

a. Has there been a previously documented release at this site? ☐ Y ☐ N

If yes, provide the Commerce # _____, or DNR BRRT's # _____.

b. Number of active tanks¹ at facility prior to completion of current services USTs 3 ASTs _____

(NOTE 1: Do not include previously closed systems or system components.)

c. Excavation/trench dimensions (in feet). (Photos must be provided.)

EXCAVATION/TRENCH #	LENGTH	WIDTH	DEPTH
<u>1</u>	<u>50</u>	<u>~ 30</u>	
<u>2</u>	<u>30</u>	<u>5</u>	<u>3'</u>
<u>3</u>	<u>30</u>	<u>5</u>	<u>3</u>

2. Visual Excavation/Trench Inspection (Photos must be provided for "Yes" responses, except item b.)

Do any of the following conditions exist in or about the excavation(s)?

a. Stained soils: ☒ Y ☐ N b. Petroleum odor: ☒ Y ☐ N c. Water in excavation/trench: ☐ Y ☐ N

d. Free product in the excavation/trench: ☐ Y ☐ N e. Sheen or free product on water: ☐ Y ☐ N

3. Geology/Hydrogeology

a. Depth to groundwater _____ feet b. Indicate type of geology? S + Gr

(Note 2: Use these symbols individually or in combination as appropriate: C = Clay, SLT = Silt, S = Sand, Gr = Gravel)

4. Receptors

a. Water supply well(s) within 250 feet of the facility? ☐ Y ☒ N If yes, specify _____

b. Surface water(s) within 1000 feet of the facility? ☐ Y ☒ N If yes, specify _____

5. Sampling

a. Follow the procedures detailed in ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.

b. Complete Tables 1 and 2 as appropriate. (Attach chain-of-custody and laboratory analytical reports.)

c. Attach a detailed map of site features and sample locations.

J. NOTE RELEVANT OBSERVATIONS, SPECIFIC PROBLEMS OR CONCERNS BELOW

Fill was a gravel, native soil was sand and gravel

Suspected contamination beneath west dispenser island

TABLE 1 SOIL FIELD SCREENING & GRO/DRO LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	Sample Location & Soil/Geologic Description	Sample Collection Method				Depth Below Tank/Piping (feet)	Field Screening Result (ppm)	GRO (mg/kg)	DRO (mg/kg)
		Grab	Shelby Tube	Direct Push	Split Spoon				
1	North Side Dsl tank	☒	☐	☐	☐	1	0	na	<1
2	South Side Dsl tank	☒	☐	☐	☐	1	0	na	<0.93
3	South Side Gas Tank	☒	☐	☐	☐	1	0	<2.7	na
4	North Side Gas Tank	☒	☐	☐	☐	1	0	<3.4	na
5	Center Gas Tank	☒	☐	☐	☐	1	0	<2.9	na
6	South Gas Tank	☒	☐	☐	☐	1	0	<2.7	na
7	Between Dispensers	☒	☐	☐	☐	3'	0.5	4.2	<1.3
8	Between Dispensers	☒	☐	☐	☐	3	0	<2.8	na
9	North Gas Tank	☒	☐	☐	☐	1	0	<2.7	na
10	Between Dispensers	☒	☐	☐	☐	3	857	1420	na
11	Between Dispensers	☒	☐	☐	☐	3	0	<2.6	na
12	Pipeline	☒	☐	☐	☐	1	0	<3.1	na
		☒	☐	☐	☐				
		☒	☐	☐	☐				

TABLE 2 SOIL LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	BENZENE	TOLUENE	ETHYLBENZENE	MTBE	TRIMETHYL - BENZENES (TOTAL)	XYLENES (TOTAL)	NAPHTHALENE
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1	<25	<25	<25	<25	<50	<75	<25
2	<25	<25	<25	<25	<50	<75	<25
3	<25	<25	<25	<25	<50	<75	<25
4	<25	<25	<25	<25	<50	<75	<25
5	<25	<25	<25	<25	<50	<75	<25
6	<25	<25	<25	<25	<50	<75	<25
7	<25	<25	<25	<25	<50	<75	<25
8	<25	<25	<25	<25	<50	<75	<25
9	<25	<25	<25	<25	<50	<75	<25
10	<312	646	2750	<312	78,000	8660	11,200
11	<25	<25	<25	<25	<50	<75	<25
12	<25	<25	<25	<25	<50	<75	<25

K. TANK-SYSTEM SITE ASSESSMENT INFORMATION

☐ As a tank-system site assessor certified under Wis. Admin. Code section Comm 5.83, it is my opinion that there is no indication of a release of a regulated substance to the environment.

☐ Sampling at the site indicates there has been a release to the environment. Pursuant to Wis. Admin. Code section Comm 10.585 (2) (a) and Wis. Stats. section 292.11 (2) (a), the owner or operator or contractor performing work under chapter Comm 10 shall immediately report any release of a regulated substance to the Wisconsin Department of Natural Resources. Failure to do so may result in forfeitures of a minimum of \$10 and a maximum of \$5000 for each violation under Wis. Stats. section 101.09 (5). Each day of continued violation and each tank are treated as separate offenses.

Robyn Seymour
Tank-System Site Assessor Name (print)

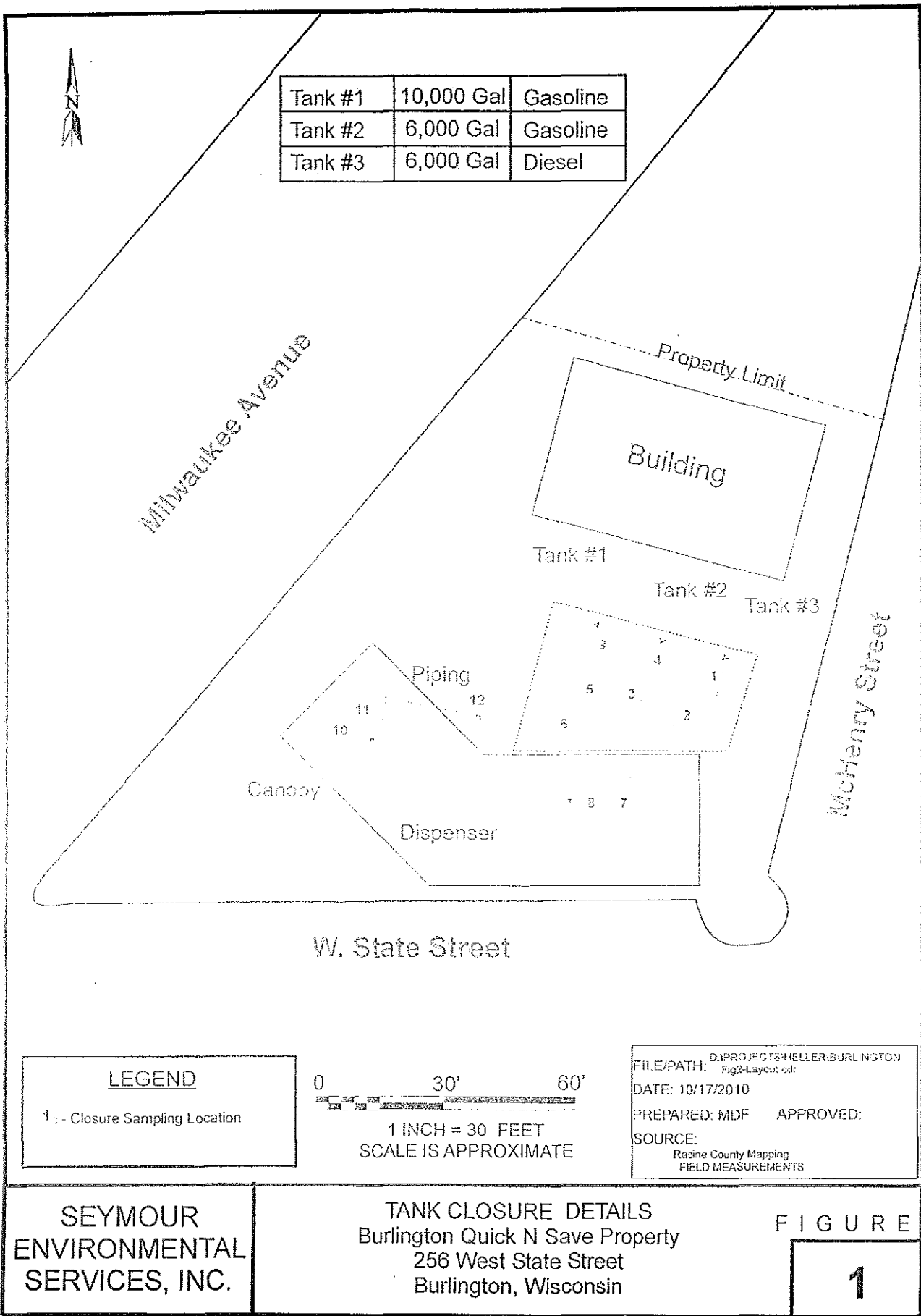
Robyn Seymour
Tank-System Site Assessor Signature

41580
Certification Number #

608 838 9120
Tank-System Site Assessor Telephone Number

10/25/2010
Date Signed

Seymour Environmental
Company Name





Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

October 15, 2010

Robyn Seymour
Seymour Environmental Services, INC.
2531 Dyreson Road
Mc Farland, WI 53558

RE: Project: BURLINGTON
Pace Project No.: 4038060

Dear Robyn Seymour:

Enclosed are the analytical results for sample(s) received by the laboratory on October 08, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Brian Basten

brian.basten@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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APPENDIX C

SOIL LABORATORY ANALYTICAL REPORTS

PHASE II ESA SOIL SAMPLES

May 25, 2016

Linda Fellenz
LF Green Development
5600 W Brown Deer Road
Milwaukee, WI 53223

RE: Project: 256 STATE
Pace Project No.: 40132289

Dear Linda Fellenz:

Enclosed are the analytical results for sample(s) received by the laboratory on May 13, 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.

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

Sincerely,



Steven Mleczko
steve.mleczko@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 256 STATE

Pace Project No.: 40132289

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150

South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 256 STATE

Pace Project No.: 40132289

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40132289001	B1-1	Solid	05/12/16 09:50	05/13/16 14:20
40132289002	B1-2	Solid	05/12/16 10:00	05/13/16 14:20
40132289003	B2-1	Solid	05/12/16 10:30	05/13/16 14:20
40132289004	B2-2	Solid	05/12/16 10:30	05/13/16 14:20
40132289005	B3-1	Solid	05/12/16 11:00	05/13/16 14:20
40132289006	B3-2	Solid	05/12/16 11:00	05/13/16 14:20
40132289007	B4-1	Solid	05/12/16 11:25	05/13/16 14:20
40132289008	B4-2	Solid	05/12/16 11:25	05/13/16 14:20

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SAMPLE ANALYTE COUNT

Project: 256 STATE
Pace Project No.: 40132289

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40132289001	B1-1	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40132289002	B1-2	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40132289003	B2-1	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40132289004	B2-2	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40132289005	B3-1	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40132289006	B3-2	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40132289007	B4-1	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40132289008	B4-2	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B1-1 **Lab ID: 40132289001** Collected: 05/12/16 09:50 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	25.3	mg/kg	1.4	0.52	1	05/23/16 08:54	05/24/16 12:09	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	83-32-9	
Acenaphthylene	<9.5	ug/kg	21.3	9.5	1	05/23/16 09:46	05/23/16 17:17	208-96-8	
Anthracene	<11.0	ug/kg	21.3	11.0	1	05/23/16 09:46	05/23/16 17:17	120-12-7	
Benzo(a)anthracene	<7.4	ug/kg	21.3	7.4	1	05/23/16 09:46	05/23/16 17:17	56-55-3	
Benzo(a)pyrene	<7.6	ug/kg	21.3	7.6	1	05/23/16 09:46	05/23/16 17:17	50-32-8	
Benzo(b)fluoranthene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	205-99-2	
Benzo(g,h,i)perylene	<8.1	ug/kg	21.3	8.1	1	05/23/16 09:46	05/23/16 17:17	191-24-2	
Benzo(k)fluoranthene	<11.8	ug/kg	21.3	11.8	1	05/23/16 09:46	05/23/16 17:17	207-08-9	
Chrysene	<9.8	ug/kg	21.3	9.8	1	05/23/16 09:46	05/23/16 17:17	218-01-9	
Dibenz(a,h)anthracene	<7.8	ug/kg	21.3	7.8	1	05/23/16 09:46	05/23/16 17:17	53-70-3	
Fluoranthene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	206-44-0	
Fluorene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	86-73-7	
Indeno(1,2,3-cd)pyrene	<8.1	ug/kg	21.3	8.1	1	05/23/16 09:46	05/23/16 17:17	193-39-5	
1-Methylnaphthalene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	90-12-0	
2-Methylnaphthalene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	91-57-6	
Naphthalene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	91-20-3	
Phenanthrene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	85-01-8	
Pyrene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	26-130		1	05/23/16 09:46	05/23/16 17:17	321-60-8	
Terphenyl-d14 (S)	73	%	10-130		1	05/23/16 09:46	05/23/16 17:17	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	05/18/16 13:30	05/20/16 01:35	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	05/18/16 13:30	05/20/16 01:35	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	05/18/16 13:30	05/20/16 01:35	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	05/18/16 13:30	05/20/16 01:35	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B1-1 Lab ID: 40132289001 Collected: 05/12/16 09:50 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	05/18/16 13:30	05/20/16 01:35	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	05/18/16 13:30	05/20/16 01:35	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/18/16 13:30	05/20/16 01:35	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	53-165		1	05/18/16 13:30	05/20/16 01:35	1868-53-7	
Toluene-d8 (S)	96	%	54-163		1	05/18/16 13:30	05/20/16 01:35	2037-26-5	

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B1-1 **Lab ID: 40132289001** Collected: 05/12/16 09:50 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	89	%	48-138		1	05/18/16 13:30	05/20/16 01:35	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	21.7	%	0.10	0.10	1		05/23/16 15:48		

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B1-2 **Lab ID: 40132289002** Collected: 05/12/16 10:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	3.8	mg/kg	1.3	0.45	1	05/23/16 08:54	05/24/16 12:02	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<8.8	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	83-32-9	
Acenaphthylene	<7.9	ug/kg	17.5	7.9	1	05/23/16 09:46	05/23/16 17:34	208-96-8	
Anthracene	11.0J	ug/kg	17.5	9.1	1	05/23/16 09:46	05/23/16 17:34	120-12-7	
Benzo(a)anthracene	27.0	ug/kg	17.5	6.1	1	05/23/16 09:46	05/23/16 17:34	56-55-3	
Benzo(a)pyrene	23.3	ug/kg	17.5	6.3	1	05/23/16 09:46	05/23/16 17:34	50-32-8	
Benzo(b)fluoranthene	23.9	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	205-99-2	
Benzo(g,h,i)perylene	15.5J	ug/kg	17.5	6.7	1	05/23/16 09:46	05/23/16 17:34	191-24-2	
Benzo(k)fluoranthene	26.1	ug/kg	17.5	9.7	1	05/23/16 09:46	05/23/16 17:34	207-08-9	
Chrysene	43.5	ug/kg	17.5	8.1	1	05/23/16 09:46	05/23/16 17:34	218-01-9	
Dibenz(a,h)anthracene	<6.4	ug/kg	17.5	6.4	1	05/23/16 09:46	05/23/16 17:34	53-70-3	
Fluoranthene	97.9	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	206-44-0	
Fluorene	<8.8	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	86-73-7	
Indeno(1,2,3-cd)pyrene	14.1J	ug/kg	17.5	6.7	1	05/23/16 09:46	05/23/16 17:34	193-39-5	
1-Methylnaphthalene	64.7	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	90-12-0	
2-Methylnaphthalene	131	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	91-57-6	
Naphthalene	102	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	91-20-3	
Phenanthrene	59.0	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	85-01-8	
Pyrene	60.8	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	26-130		1	05/23/16 09:46	05/23/16 17:34	321-60-8	
Terphenyl-d14 (S)	59	%	10-130		1	05/23/16 09:46	05/23/16 17:34	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	05/18/16 13:30	05/20/16 01:58	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	05/18/16 13:30	05/20/16 01:58	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	05/18/16 13:30	05/20/16 01:58	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	05/18/16 13:30	05/20/16 01:58	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B1-2 Lab ID: 40132289002 Collected: 05/12/16 10:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	1634-04-4	W
Naphthalene	50.5J	ug/kg	263	42.2	1	05/18/16 13:30	05/20/16 01:58	91-20-3	
n-Propylbenzene	107	ug/kg	63.2	26.3	1	05/18/16 13:30	05/20/16 01:58	103-65-1	
Styrene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	05/18/16 13:30	05/20/16 01:58	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	96-18-4	W
1,2,4-Trimethylbenzene	222	ug/kg	63.2	26.3	1	05/18/16 13:30	05/20/16 01:58	95-63-6	
1,3,5-Trimethylbenzene	85.3	ug/kg	63.2	26.3	1	05/18/16 13:30	05/20/16 01:58	108-67-8	
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-01-4	W
m&p-Xylene	100J	ug/kg	126	52.6	1	05/18/16 13:30	05/20/16 01:58	179601-23-1	
o-Xylene	57.3J	ug/kg	63.2	26.3	1	05/18/16 13:30	05/20/16 01:58	95-47-6	
Surrogates									
Dibromofluoromethane (S)	109	%	53-165		1	05/18/16 13:30	05/20/16 01:58	1868-53-7	
Toluene-d8 (S)	107	%	54-163		1	05/18/16 13:30	05/20/16 01:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B1-2 **Lab ID: 40132289002** Collected: 05/12/16 10:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	95	%	48-138		1	05/18/16 13:30	05/20/16 01:58	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	5.0	%	0.10	0.10	1		05/23/16 15:48		

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B2-1 Lab ID: 40132289003 Collected: 05/12/16 10:30 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	15.6	mg/kg	1.5	0.53	1	05/23/16 08:54	05/24/16 12:12	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	83-32-9	
Acenaphthylene	<9.3	ug/kg	20.8	9.3	1	05/23/16 09:46	05/23/16 17:51	208-96-8	
Anthracene	<10.8	ug/kg	20.8	10.8	1	05/23/16 09:46	05/23/16 17:51	120-12-7	
Benzo(a)anthracene	<7.2	ug/kg	20.8	7.2	1	05/23/16 09:46	05/23/16 17:51	56-55-3	
Benzo(a)pyrene	<7.4	ug/kg	20.8	7.4	1	05/23/16 09:46	05/23/16 17:51	50-32-8	
Benzo(b)fluoranthene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	205-99-2	
Benzo(g,h,i)perylene	<7.9	ug/kg	20.8	7.9	1	05/23/16 09:46	05/23/16 17:51	191-24-2	
Benzo(k)fluoranthene	<11.5	ug/kg	20.8	11.5	1	05/23/16 09:46	05/23/16 17:51	207-08-9	
Chrysene	<9.6	ug/kg	20.8	9.6	1	05/23/16 09:46	05/23/16 17:51	218-01-9	
Dibenz(a,h)anthracene	<7.6	ug/kg	20.8	7.6	1	05/23/16 09:46	05/23/16 17:51	53-70-3	
Fluoranthene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	206-44-0	
Fluorene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	86-73-7	
Indeno(1,2,3-cd)pyrene	<7.9	ug/kg	20.8	7.9	1	05/23/16 09:46	05/23/16 17:51	193-39-5	
1-Methylnaphthalene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	90-12-0	
2-Methylnaphthalene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	91-57-6	
Naphthalene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	91-20-3	
Phenanthrene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	85-01-8	
Pyrene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	26-130		1	05/23/16 09:46	05/23/16 17:51	321-60-8	
Terphenyl-d14 (S)	61	%	10-130		1	05/23/16 09:46	05/23/16 17:51	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	05/18/16 13:30	05/20/16 02:21	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	05/18/16 13:30	05/20/16 02:21	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	05/18/16 13:30	05/20/16 02:21	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	05/18/16 13:30	05/20/16 02:21	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	106-93-4	W

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B2-1 Lab ID: 40132289003 Collected: 05/12/16 10:30 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	05/18/16 13:30	05/20/16 02:21	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	05/18/16 13:30	05/20/16 02:21	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/18/16 13:30	05/20/16 02:21	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	123	%	53-165		1	05/18/16 13:30	05/20/16 02:21	1868-53-7	
Toluene-d8 (S)	120	%	54-163		1	05/18/16 13:30	05/20/16 02:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B2-1 **Lab ID: 40132289003** Collected: 05/12/16 10:30 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	104	%	48-138		1	05/18/16 13:30	05/20/16 02:21	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	19.9	%	0.10	0.10	1		05/23/16 15:48		

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B2-2 **Lab ID: 40132289004** Collected: 05/12/16 10:30 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	5.4	mg/kg	1.2	0.42	1	05/23/16 08:54	05/24/16 12:14	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<8.7	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	83-32-9	
Acenaphthylene	<7.7	ug/kg	17.3	7.7	1	05/23/16 09:46	05/23/16 18:08	208-96-8	
Anthracene	<9.0	ug/kg	17.3	9.0	1	05/23/16 09:46	05/23/16 18:08	120-12-7	
Benzo(a)anthracene	6.5J	ug/kg	17.3	6.0	1	05/23/16 09:46	05/23/16 18:08	56-55-3	
Benzo(a)pyrene	<6.2	ug/kg	17.3	6.2	1	05/23/16 09:46	05/23/16 18:08	50-32-8	
Benzo(b)fluoranthene	<8.7	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	205-99-2	
Benzo(g,h,i)perylene	<6.6	ug/kg	17.3	6.6	1	05/23/16 09:46	05/23/16 18:08	191-24-2	
Benzo(k)fluoranthene	<9.6	ug/kg	17.3	9.6	1	05/23/16 09:46	05/23/16 18:08	207-08-9	
Chrysene	13.3J	ug/kg	17.3	8.0	1	05/23/16 09:46	05/23/16 18:08	218-01-9	
Dibenz(a,h)anthracene	<6.3	ug/kg	17.3	6.3	1	05/23/16 09:46	05/23/16 18:08	53-70-3	
Fluoranthene	28.0	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	206-44-0	
Fluorene	<8.7	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	86-73-7	
Indeno(1,2,3-cd)pyrene	<6.6	ug/kg	17.3	6.6	1	05/23/16 09:46	05/23/16 18:08	193-39-5	
1-Methylnaphthalene	<8.7	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	90-12-0	
2-Methylnaphthalene	<8.7	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	91-57-6	
Naphthalene	<8.7	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	91-20-3	
Phenanthrene	15.9J	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	85-01-8	
Pyrene	17.2J	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	26-130		1	05/23/16 09:46	05/23/16 18:08	321-60-8	
Terphenyl-d14 (S)	71	%	10-130		1	05/23/16 09:46	05/23/16 18:08	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	71-43-2	W
Bromobenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	108-86-1	W
Bromochloromethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	74-97-5	W
Bromodichloromethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-27-4	W
Bromoform	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-25-2	W
Bromomethane	<72.8	ug/kg	260	72.8	1	05/18/16 13:30	05/20/16 02:44	74-83-9	W
n-Butylbenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	104-51-8	W
sec-Butylbenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	135-98-8	W
tert-Butylbenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	98-06-6	W
Carbon tetrachloride	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	56-23-5	W
Chlorobenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	108-90-7	W
Chloroethane	<69.8	ug/kg	260	69.8	1	05/18/16 13:30	05/20/16 02:44	75-00-3	W
Chloroform	<48.4	ug/kg	260	48.4	1	05/18/16 13:30	05/20/16 02:44	67-66-3	W
Chloromethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	74-87-3	W
2-Chlorotoluene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	95-49-8	W
4-Chlorotoluene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	106-43-4	W
1,2-Dibromo-3-chloropropane	<95.0	ug/kg	260	95.0	1	05/18/16 13:30	05/20/16 02:44	96-12-8	W
Dibromochloromethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	124-48-1	W
1,2-Dibromoethane (EDB)	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B2-2 **Lab ID: 40132289004** Collected: 05/12/16 10:30 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	74-95-3	W
1,2-Dichlorobenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	95-50-1	W
1,3-Dichlorobenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	541-73-1	W
1,4-Dichlorobenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	106-46-7	W
Dichlorodifluoromethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-71-8	W
1,1-Dichloroethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-34-3	W
1,2-Dichloroethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	107-06-2	W
1,1-Dichloroethene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-35-4	W
cis-1,2-Dichloroethene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	156-59-2	W
trans-1,2-Dichloroethene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	156-60-5	W
1,2-Dichloropropane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	78-87-5	W
1,3-Dichloropropane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	142-28-9	W
2,2-Dichloropropane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	594-20-7	W
1,1-Dichloropropene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	563-58-6	W
cis-1,3-Dichloropropene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	10061-01-5	W
trans-1,3-Dichloropropene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	10061-02-6	W
Diisopropyl ether	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	108-20-3	W
Ethylbenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	100-41-4	W
Hexachloro-1,3-butadiene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	87-68-3	W
Isopropylbenzene (Cumene)	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	98-82-8	W
p-Isopropyltoluene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	99-87-6	W
Methylene Chloride	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-09-2	W
Methyl-tert-butyl ether	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	1634-04-4	W
Naphthalene	<41.7	ug/kg	260	41.7	1	05/18/16 13:30	05/20/16 02:44	91-20-3	W
n-Propylbenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	103-65-1	W
Styrene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	100-42-5	W
1,1,1,2-Tetrachloroethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	630-20-6	W
1,1,2,2-Tetrachloroethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	79-34-5	W
Tetrachloroethene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	127-18-4	W
Toluene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	108-88-3	W
1,2,3-Trichlorobenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	87-61-6	W
1,2,4-Trichlorobenzene	<49.5	ug/kg	260	49.5	1	05/18/16 13:30	05/20/16 02:44	120-82-1	W
1,1,1-Trichloroethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	71-55-6	W
1,1,2-Trichloroethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	79-00-5	W
Trichloroethene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	79-01-6	W
Trichlorofluoromethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-69-4	W
1,2,3-Trichloropropane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	96-18-4	W
1,2,4-Trimethylbenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	95-63-6	W
1,3,5-Trimethylbenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	108-67-8	W
Vinyl chloride	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-01-4	W
m&p-Xylene	<52.1	ug/kg	125	52.1	1	05/18/16 13:30	05/20/16 02:44	179601-23-1	W
o-Xylene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	53-165		1	05/18/16 13:30	05/20/16 02:44	1868-53-7	
Toluene-d8 (S)	110	%	54-163		1	05/18/16 13:30	05/20/16 02:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B2-2 **Lab ID: 40132289004** Collected: 05/12/16 10:30 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	95	%	48-138		1	05/18/16 13:30	05/20/16 02:44	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	3.7	%	0.10	0.10	1		05/23/16 15:48		

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B3-1 **Lab ID: 40132289005** Collected: 05/12/16 11:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	61.2	mg/kg	1.3	0.46	1	05/23/16 08:54	05/24/16 12:16	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<9.3	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	83-32-9	
Acenaphthylene	<8.3	ug/kg	18.6	8.3	1	05/23/16 09:46	05/24/16 13:27	208-96-8	
Anthracene	<9.6	ug/kg	18.6	9.6	1	05/23/16 09:46	05/24/16 13:27	120-12-7	
Benzo(a)anthracene	10.5J	ug/kg	18.6	6.4	1	05/23/16 09:46	05/24/16 13:27	56-55-3	
Benzo(a)pyrene	12.7J	ug/kg	18.6	6.7	1	05/23/16 09:46	05/24/16 13:27	50-32-8	
Benzo(b)fluoranthene	12.4J	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	205-99-2	
Benzo(g,h,i)perylene	20.5	ug/kg	18.6	7.1	1	05/23/16 09:46	05/24/16 13:27	191-24-2	
Benzo(k)fluoranthene	12.9J	ug/kg	18.6	10.3	1	05/23/16 09:46	05/24/16 13:27	207-08-9	
Chrysene	16.4J	ug/kg	18.6	8.6	1	05/23/16 09:46	05/24/16 13:27	218-01-9	
Dibenz(a,h)anthracene	<6.8	ug/kg	18.6	6.8	1	05/23/16 09:46	05/24/16 13:27	53-70-3	
Fluoranthene	25.6	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	206-44-0	
Fluorene	<9.3	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	86-73-7	
Indeno(1,2,3-cd)pyrene	10.4J	ug/kg	18.6	7.1	1	05/23/16 09:46	05/24/16 13:27	193-39-5	
1-Methylnaphthalene	<9.3	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	90-12-0	
2-Methylnaphthalene	<9.3	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	91-57-6	
Naphthalene	<9.3	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	91-20-3	
Phenanthrene	13.0J	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	85-01-8	
Pyrene	18.8	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	57	%	26-130		1	05/23/16 09:46	05/24/16 13:27	321-60-8	
Terphenyl-d14 (S)	74	%	10-130		1	05/23/16 09:46	05/24/16 13:27	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	05/19/16 13:30	05/20/16 16:26	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	05/19/16 13:30	05/20/16 16:26	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	05/19/16 13:30	05/20/16 16:26	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	05/19/16 13:30	05/20/16 16:26	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B3-1 **Lab ID: 40132289005** Collected: 05/12/16 11:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	05/19/16 13:30	05/20/16 16:26	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	05/19/16 13:30	05/20/16 16:26	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/19/16 13:30	05/20/16 16:26	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	53-165		1	05/19/16 13:30	05/20/16 16:26	1868-53-7	
Toluene-d8 (S)	106	%	54-163		1	05/19/16 13:30	05/20/16 16:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B3-1 **Lab ID: 40132289005** Collected: 05/12/16 11:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	97	%	48-138		1	05/19/16 13:30	05/20/16 16:26	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	10.4	%	0.10	0.10	1		05/23/16 15:48		

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B3-2 **Lab ID: 40132289006** Collected: 05/12/16 11:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	11.0	mg/kg	3.0	1.1	2	05/23/16 08:54	05/24/16 16:04	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	83-32-9	
Acenaphthylene	<9.6	ug/kg	21.4	9.6	1	05/23/16 09:46	05/23/16 18:26	208-96-8	
Anthracene	<11.1	ug/kg	21.4	11.1	1	05/23/16 09:46	05/23/16 18:26	120-12-7	
Benzo(a)anthracene	<7.4	ug/kg	21.4	7.4	1	05/23/16 09:46	05/23/16 18:26	56-55-3	
Benzo(a)pyrene	<7.6	ug/kg	21.4	7.6	1	05/23/16 09:46	05/23/16 18:26	50-32-8	
Benzo(b)fluoranthene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	205-99-2	
Benzo(g,h,i)perylene	<8.1	ug/kg	21.4	8.1	1	05/23/16 09:46	05/23/16 18:26	191-24-2	
Benzo(k)fluoranthene	<11.8	ug/kg	21.4	11.8	1	05/23/16 09:46	05/23/16 18:26	207-08-9	
Chrysene	<9.9	ug/kg	21.4	9.9	1	05/23/16 09:46	05/23/16 18:26	218-01-9	
Dibenz(a,h)anthracene	<7.8	ug/kg	21.4	7.8	1	05/23/16 09:46	05/23/16 18:26	53-70-3	
Fluoranthene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	206-44-0	
Fluorene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	86-73-7	
Indeno(1,2,3-cd)pyrene	<8.1	ug/kg	21.4	8.1	1	05/23/16 09:46	05/23/16 18:26	193-39-5	
1-Methylnaphthalene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	90-12-0	
2-Methylnaphthalene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	91-57-6	
Naphthalene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	91-20-3	
Phenanthrene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	85-01-8	
Pyrene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	42	%	26-130		1	05/23/16 09:46	05/23/16 18:26	321-60-8	
Terphenyl-d14 (S)	68	%	10-130		1	05/23/16 09:46	05/23/16 18:26	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	71-43-2	W
Bromobenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	108-86-1	W
Bromochloromethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	74-97-5	W
Bromodichloromethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-27-4	W
Bromoform	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-25-2	W
Bromomethane	<79.4	ug/kg	284	79.4	1	05/19/16 13:30	05/20/16 16:49	74-83-9	W
n-Butylbenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	104-51-8	W
sec-Butylbenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	135-98-8	W
tert-Butylbenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	98-06-6	W
Carbon tetrachloride	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	56-23-5	W
Chlorobenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	108-90-7	W
Chloroethane	<76.2	ug/kg	284	76.2	1	05/19/16 13:30	05/20/16 16:49	75-00-3	W
Chloroform	<52.8	ug/kg	284	52.8	1	05/19/16 13:30	05/20/16 16:49	67-66-3	W
Chloromethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	74-87-3	W
2-Chlorotoluene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	95-49-8	W
4-Chlorotoluene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	106-43-4	W
1,2-Dibromo-3-chloropropane	<104	ug/kg	284	104	1	05/19/16 13:30	05/20/16 16:49	96-12-8	W
Dibromochloromethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	124-48-1	W
1,2-Dibromoethane (EDB)	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B3-2 Lab ID: 40132289006 Collected: 05/12/16 11:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	74-95-3	W
1,2-Dichlorobenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	95-50-1	W
1,3-Dichlorobenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	541-73-1	W
1,4-Dichlorobenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	106-46-7	W
Dichlorodifluoromethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-71-8	W
1,1-Dichloroethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-34-3	W
1,2-Dichloroethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	107-06-2	W
1,1-Dichloroethene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-35-4	W
cis-1,2-Dichloroethene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	156-59-2	W
trans-1,2-Dichloroethene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	156-60-5	W
1,2-Dichloropropane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	78-87-5	W
1,3-Dichloropropane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	142-28-9	W
2,2-Dichloropropane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	594-20-7	W
1,1-Dichloropropene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	563-58-6	W
cis-1,3-Dichloropropene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	10061-01-5	W
trans-1,3-Dichloropropene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	10061-02-6	W
Diisopropyl ether	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	108-20-3	W
Ethylbenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	100-41-4	W
Hexachloro-1,3-butadiene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	87-68-3	W
Isopropylbenzene (Cumene)	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	98-82-8	W
p-Isopropyltoluene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	99-87-6	W
Methylene Chloride	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-09-2	W
Methyl-tert-butyl ether	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	1634-04-4	W
Naphthalene	<45.5	ug/kg	284	45.5	1	05/19/16 13:30	05/20/16 16:49	91-20-3	W
n-Propylbenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	103-65-1	W
Styrene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	100-42-5	W
1,1,1,2-Tetrachloroethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	630-20-6	W
1,1,2,2-Tetrachloroethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	79-34-5	W
Tetrachloroethene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	127-18-4	W
Toluene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	108-88-3	W
1,2,3-Trichlorobenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	87-61-6	W
1,2,4-Trichlorobenzene	<54.0	ug/kg	284	54.0	1	05/19/16 13:30	05/20/16 16:49	120-82-1	W
1,1,1-Trichloroethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	71-55-6	W
1,1,2-Trichloroethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	79-00-5	W
Trichloroethene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	79-01-6	W
Trichlorofluoromethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-69-4	W
1,2,3-Trichloropropane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	96-18-4	W
1,2,4-Trimethylbenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	95-63-6	W
1,3,5-Trimethylbenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	108-67-8	W
Vinyl chloride	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-01-4	W
m&p-Xylene	<56.8	ug/kg	136	56.8	1	05/19/16 13:30	05/20/16 16:49	179601-23-1	W
o-Xylene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	112	%	53-165		1	05/19/16 13:30	05/20/16 16:49	1868-53-7	
Toluene-d8 (S)	122	%	54-163		1	05/19/16 13:30	05/20/16 16:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B3-2 **Lab ID: 40132289006** Collected: 05/12/16 11:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	106	%	48-138		1	05/19/16 13:30	05/20/16 16:49	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	22.0	%	0.10	0.10	1		05/23/16 15:48		

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B4-1 **Lab ID: 40132289007** Collected: 05/12/16 11:25 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	195	mg/kg	1.2	0.44	1	05/23/16 08:54	05/24/16 14:05	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<8.7	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	83-32-9	
Acenaphthylene	<7.8	ug/kg	17.4	7.8	1	05/23/16 09:46	05/24/16 13:45	208-96-8	
Anthracene	14.1J	ug/kg	17.4	9.0	1	05/23/16 09:46	05/24/16 13:45	120-12-7	
Benzo(a)anthracene	49.5	ug/kg	17.4	6.0	1	05/23/16 09:46	05/24/16 13:45	56-55-3	
Benzo(a)pyrene	46.3	ug/kg	17.4	6.2	1	05/23/16 09:46	05/24/16 13:45	50-32-8	
Benzo(b)fluoranthene	80.5	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	205-99-2	
Benzo(g,h,i)perylene	41.0	ug/kg	17.4	6.6	1	05/23/16 09:46	05/24/16 13:45	191-24-2	
Benzo(k)fluoranthene	75.7	ug/kg	17.4	9.6	1	05/23/16 09:46	05/24/16 13:45	207-08-9	
Chrysene	137	ug/kg	17.4	8.0	1	05/23/16 09:46	05/24/16 13:45	218-01-9	
Dibenz(a,h)anthracene	14.2J	ug/kg	17.4	6.4	1	05/23/16 09:46	05/24/16 13:45	53-70-3	
Fluoranthene	213	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	206-44-0	
Fluorene	<8.7	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	86-73-7	
Indeno(1,2,3-cd)pyrene	36.8	ug/kg	17.4	6.6	1	05/23/16 09:46	05/24/16 13:45	193-39-5	
1-Methylnaphthalene	<8.7	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	90-12-0	
2-Methylnaphthalene	<8.7	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	91-57-6	
Naphthalene	<8.7	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	91-20-3	
Phenanthrene	89.1	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	85-01-8	
Pyrene	131	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	26-130		1	05/23/16 09:46	05/24/16 13:45	321-60-8	
Terphenyl-d14 (S)	72	%	10-130		1	05/23/16 09:46	05/24/16 13:45	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	71-43-2	W
Bromobenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	108-86-1	W
Bromochloromethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	74-97-5	W
Bromodichloromethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-27-4	W
Bromoform	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-25-2	W
Bromomethane	<76.8	ug/kg	275	76.8	1	05/19/16 13:30	05/20/16 17:12	74-83-9	W
n-Butylbenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	104-51-8	W
sec-Butylbenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	135-98-8	W
tert-Butylbenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	98-06-6	W
Carbon tetrachloride	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	56-23-5	W
Chlorobenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	108-90-7	W
Chloroethane	<73.6	ug/kg	275	73.6	1	05/19/16 13:30	05/20/16 17:12	75-00-3	W
Chloroform	<51.0	ug/kg	275	51.0	1	05/19/16 13:30	05/20/16 17:12	67-66-3	W
Chloromethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	74-87-3	W
2-Chlorotoluene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	95-49-8	W
4-Chlorotoluene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	106-43-4	W
1,2-Dibromo-3-chloropropane	<100	ug/kg	275	100	1	05/19/16 13:30	05/20/16 17:12	96-12-8	W
Dibromochloromethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	124-48-1	W
1,2-Dibromoethane (EDB)	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B4-1 Lab ID: 40132289007 Collected: 05/12/16 11:25 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	74-95-3	W
1,2-Dichlorobenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	95-50-1	W
1,3-Dichlorobenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	541-73-1	W
1,4-Dichlorobenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	106-46-7	W
Dichlorodifluoromethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-71-8	W
1,1-Dichloroethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-34-3	W
1,2-Dichloroethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	107-06-2	W
1,1-Dichloroethene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-35-4	W
cis-1,2-Dichloroethene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	156-59-2	W
trans-1,2-Dichloroethene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	156-60-5	W
1,2-Dichloropropane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	78-87-5	W
1,3-Dichloropropane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	142-28-9	W
2,2-Dichloropropane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	594-20-7	W
1,1-Dichloropropene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	563-58-6	W
cis-1,3-Dichloropropene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	10061-01-5	W
trans-1,3-Dichloropropene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	10061-02-6	W
Diisopropyl ether	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	108-20-3	W
Ethylbenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	100-41-4	W
Hexachloro-1,3-butadiene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	87-68-3	W
Isopropylbenzene (Cumene)	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	98-82-8	W
p-Isopropyltoluene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	99-87-6	W
Methylene Chloride	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-09-2	W
Methyl-tert-butyl ether	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	1634-04-4	W
Naphthalene	<44.0	ug/kg	275	44.0	1	05/19/16 13:30	05/20/16 17:12	91-20-3	W
n-Propylbenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	103-65-1	W
Styrene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	100-42-5	W
1,1,1,2-Tetrachloroethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	630-20-6	W
1,1,2,2-Tetrachloroethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	79-34-5	W
Tetrachloroethene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	127-18-4	W
Toluene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	108-88-3	W
1,2,3-Trichlorobenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	87-61-6	W
1,2,4-Trichlorobenzene	<52.3	ug/kg	275	52.3	1	05/19/16 13:30	05/20/16 17:12	120-82-1	W
1,1,1-Trichloroethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	71-55-6	W
1,1,2-Trichloroethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	79-00-5	W
Trichloroethene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	79-01-6	W
Trichlorofluoromethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-69-4	W
1,2,3-Trichloropropane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	96-18-4	W
1,2,4-Trimethylbenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	95-63-6	W
1,3,5-Trimethylbenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	108-67-8	W
Vinyl chloride	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-01-4	W
m&p-Xylene	<54.9	ug/kg	132	54.9	1	05/19/16 13:30	05/20/16 17:12	179601-23-1	W
o-Xylene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	114	%	53-165		1	05/19/16 13:30	05/20/16 17:12	1868-53-7	
Toluene-d8 (S)	121	%	54-163		1	05/19/16 13:30	05/20/16 17:12	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B4-1 **Lab ID: 40132289007** Collected: 05/12/16 11:25 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	106	%	48-138		1	05/19/16 13:30	05/20/16 17:12	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	4.2	%	0.10	0.10	1		05/23/16 15:48		

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B4-2 **Lab ID: 40132289008** Collected: 05/12/16 11:25 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	17.6	mg/kg	1.3	0.47	1	05/23/16 08:54	05/24/16 14:07	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	83-32-9	
Acenaphthylene	<9.1	ug/kg	20.4	9.1	1	05/23/16 09:46	05/23/16 18:43	208-96-8	
Anthracene	<10.6	ug/kg	20.4	10.6	1	05/23/16 09:46	05/23/16 18:43	120-12-7	
Benzo(a)anthracene	<7.1	ug/kg	20.4	7.1	1	05/23/16 09:46	05/23/16 18:43	56-55-3	
Benzo(a)pyrene	<7.3	ug/kg	20.4	7.3	1	05/23/16 09:46	05/23/16 18:43	50-32-8	
Benzo(b)fluoranthene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	205-99-2	
Benzo(g,h,i)perylene	<7.8	ug/kg	20.4	7.8	1	05/23/16 09:46	05/23/16 18:43	191-24-2	
Benzo(k)fluoranthene	<11.3	ug/kg	20.4	11.3	1	05/23/16 09:46	05/23/16 18:43	207-08-9	
Chrysene	<9.4	ug/kg	20.4	9.4	1	05/23/16 09:46	05/23/16 18:43	218-01-9	
Dibenz(a,h)anthracene	<7.5	ug/kg	20.4	7.5	1	05/23/16 09:46	05/23/16 18:43	53-70-3	
Fluoranthene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	206-44-0	
Fluorene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	86-73-7	
Indeno(1,2,3-cd)pyrene	<7.7	ug/kg	20.4	7.7	1	05/23/16 09:46	05/23/16 18:43	193-39-5	
1-Methylnaphthalene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	90-12-0	
2-Methylnaphthalene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	91-57-6	
Naphthalene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	91-20-3	
Phenanthrene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	85-01-8	
Pyrene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	26-130		1	05/23/16 09:46	05/23/16 18:43	321-60-8	
Terphenyl-d14 (S)	67	%	10-130		1	05/23/16 09:46	05/23/16 18:43	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	71-43-2	W
Bromobenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	108-86-1	W
Bromochloromethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	74-97-5	W
Bromodichloromethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-27-4	W
Bromoform	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-25-2	W
Bromomethane	<71.3	ug/kg	255	71.3	1	05/19/16 13:30	05/20/16 17:36	74-83-9	W
n-Butylbenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	104-51-8	W
sec-Butylbenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	135-98-8	W
tert-Butylbenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	98-06-6	W
Carbon tetrachloride	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	56-23-5	W
Chlorobenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	108-90-7	W
Chloroethane	<68.4	ug/kg	255	68.4	1	05/19/16 13:30	05/20/16 17:36	75-00-3	W
Chloroform	<47.4	ug/kg	255	47.4	1	05/19/16 13:30	05/20/16 17:36	67-66-3	W
Chloromethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	74-87-3	W
2-Chlorotoluene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	95-49-8	W
4-Chlorotoluene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	106-43-4	W
1,2-Dibromo-3-chloropropane	<93.1	ug/kg	255	93.1	1	05/19/16 13:30	05/20/16 17:36	96-12-8	W
Dibromochloromethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	124-48-1	W
1,2-Dibromoethane (EDB)	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B4-2 **Lab ID: 40132289008** Collected: 05/12/16 11:25 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	74-95-3	W
1,2-Dichlorobenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	95-50-1	W
1,3-Dichlorobenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	541-73-1	W
1,4-Dichlorobenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	106-46-7	W
Dichlorodifluoromethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-71-8	W
1,1-Dichloroethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-34-3	W
1,2-Dichloroethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	107-06-2	W
1,1-Dichloroethene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-35-4	W
cis-1,2-Dichloroethene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	156-59-2	W
trans-1,2-Dichloroethene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	156-60-5	W
1,2-Dichloropropane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	78-87-5	W
1,3-Dichloropropane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	142-28-9	W
2,2-Dichloropropane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	594-20-7	W
1,1-Dichloropropene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	563-58-6	W
cis-1,3-Dichloropropene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	10061-01-5	W
trans-1,3-Dichloropropene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	10061-02-6	W
Diisopropyl ether	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	108-20-3	W
Ethylbenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	100-41-4	W
Hexachloro-1,3-butadiene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	87-68-3	W
Isopropylbenzene (Cumene)	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	98-82-8	W
p-Isopropyltoluene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	99-87-6	W
Methylene Chloride	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-09-2	W
Methyl-tert-butyl ether	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	1634-04-4	W
Naphthalene	<40.9	ug/kg	255	40.9	1	05/19/16 13:30	05/20/16 17:36	91-20-3	W
n-Propylbenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	103-65-1	W
Styrene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	79-34-5	W
Tetrachloroethene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	127-18-4	W
Toluene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	108-88-3	W
1,2,3-Trichlorobenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	87-61-6	W
1,2,4-Trichlorobenzene	<48.5	ug/kg	255	48.5	1	05/19/16 13:30	05/20/16 17:36	120-82-1	W
1,1,1-Trichloroethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	71-55-6	W
1,1,2-Trichloroethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	79-00-5	W
Trichloroethene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	79-01-6	W
Trichlorofluoromethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-69-4	W
1,2,3-Trichloropropane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	96-18-4	W
1,2,4-Trimethylbenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	95-63-6	W
1,3,5-Trimethylbenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	108-67-8	W
Vinyl chloride	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-01-4	W
m&p-Xylene	<51.0	ug/kg	122	51.0	1	05/19/16 13:30	05/20/16 17:36	179601-23-1	W
o-Xylene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	53-165		1	05/19/16 13:30	05/20/16 17:36	1868-53-7	
Toluene-d8 (S)	102	%	54-163		1	05/19/16 13:30	05/20/16 17:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B4-2 **Lab ID: 40132289008** Collected: 05/12/16 11:25 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	88	%	48-138		1	05/19/16 13:30	05/20/16 17:36	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	18.2	%	0.10	0.10	1		05/23/16 15:48		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 256 STATE

Pace Project No.: 40132289

QC Batch:	MPRP/13778	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
Associated Lab Samples:	40132289001, 40132289002, 40132289003, 40132289004, 40132289005, 40132289006, 40132289007, 40132289008		

METHOD BLANK:	1338029	Matrix:	Solid
Associated Lab Samples:	40132289001, 40132289002, 40132289003, 40132289004, 40132289005, 40132289006, 40132289007, 40132289008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.43	1.2	05/24/16 11:56	

LABORATORY CONTROL SAMPLE & LCSD:		1338030	1338039							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Lead	mg/kg	50	51.1	49.8	102	100	80-120	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
1338031				1338032								
Parameter	Units	40132289002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/ka	3.8	52.5	52.3	50.8	51.3	90	91	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40132289

QC Batch: MSV/33547 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40132289001, 40132289002, 40132289003, 40132289004

METHOD BLANK: 1337042 Matrix: Solid
Associated Lab Samples: 40132289001, 40132289002, 40132289003, 40132289004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	05/19/16 07:28	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	05/19/16 07:28	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	05/19/16 07:28	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	05/19/16 07:28	
1,1-Dichloroethane	ug/kg	<17.6	50.0	05/19/16 07:28	
1,1-Dichloroethene	ug/kg	<17.6	50.0	05/19/16 07:28	
1,1-Dichloropropene	ug/kg	<14.0	50.0	05/19/16 07:28	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	05/19/16 07:28	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	05/19/16 07:28	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	05/19/16 07:28	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	05/19/16 07:28	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	05/19/16 07:28	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	05/19/16 07:28	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	05/19/16 07:28	
1,2-Dichloroethane	ug/kg	<15.0	50.0	05/19/16 07:28	
1,2-Dichloropropane	ug/kg	<16.8	50.0	05/19/16 07:28	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	05/19/16 07:28	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	05/19/16 07:28	
1,3-Dichloropropane	ug/kg	<12.0	50.0	05/19/16 07:28	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	05/19/16 07:28	
2,2-Dichloropropane	ug/kg	<12.6	50.0	05/19/16 07:28	
2-Chlorotoluene	ug/kg	<15.8	50.0	05/19/16 07:28	
4-Chlorotoluene	ug/kg	<13.0	50.0	05/19/16 07:28	
Benzene	ug/kg	<9.2	20.0	05/19/16 07:28	
Bromobenzene	ug/kg	<20.6	50.0	05/19/16 07:28	
Bromochloromethane	ug/kg	<21.4	50.0	05/19/16 07:28	
Bromodichloromethane	ug/kg	<9.8	50.0	05/19/16 07:28	
Bromoform	ug/kg	<19.8	50.0	05/19/16 07:28	
Bromomethane	ug/kg	<69.9	250	05/19/16 07:28	
Carbon tetrachloride	ug/kg	<12.1	50.0	05/19/16 07:28	
Chlorobenzene	ug/kg	<14.8	50.0	05/19/16 07:28	
Chloroethane	ug/kg	<67.0	250	05/19/16 07:28	
Chloroform	ug/kg	<46.4	250	05/19/16 07:28	
Chloromethane	ug/kg	<20.4	50.0	05/19/16 07:28	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	05/19/16 07:28	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	05/19/16 07:28	
Dibromochloromethane	ug/kg	<17.9	50.0	05/19/16 07:28	
Dibromomethane	ug/kg	<19.3	50.0	05/19/16 07:28	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	05/19/16 07:28	
Diisopropyl ether	ug/kg	<17.7	50.0	05/19/16 07:28	
Ethylbenzene	ug/kg	<12.4	50.0	05/19/16 07:28	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40132289

METHOD BLANK: 1337042 Matrix: Solid
Associated Lab Samples: 40132289001, 40132289002, 40132289003, 40132289004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	05/19/16 07:28	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	05/19/16 07:28	
m&p-Xylene	ug/kg	<34.4	100	05/19/16 07:28	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	05/19/16 07:28	
Methylene Chloride	ug/kg	<16.2	50.0	05/19/16 07:28	
n-Butylbenzene	ug/kg	19.2J	50.0	05/19/16 07:28	
n-Propylbenzene	ug/kg	<11.6	50.0	05/19/16 07:28	
Naphthalene	ug/kg	<40.0	250	05/19/16 07:28	
o-Xylene	ug/kg	<14.0	50.0	05/19/16 07:28	
p-Isopropyltoluene	ug/kg	<12.0	50.0	05/19/16 07:28	
sec-Butylbenzene	ug/kg	<11.9	50.0	05/19/16 07:28	
Styrene	ug/kg	<9.0	50.0	05/19/16 07:28	
tert-Butylbenzene	ug/kg	<9.5	50.0	05/19/16 07:28	
Tetrachloroethene	ug/kg	<12.9	50.0	05/19/16 07:28	
Toluene	ug/kg	<11.2	50.0	05/19/16 07:28	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	05/19/16 07:28	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	05/19/16 07:28	
Trichloroethene	ug/kg	<23.6	50.0	05/19/16 07:28	
Trichlorofluoromethane	ug/kg	<24.7	50.0	05/19/16 07:28	
Vinyl chloride	ug/kg	<21.1	50.0	05/19/16 07:28	
4-Bromofluorobenzene (S)	%	95	48-138	05/19/16 07:28	
Dibromofluoromethane (S)	%	102	53-165	05/19/16 07:28	
Toluene-d8 (S)	%	102	54-163	05/19/16 07:28	

LABORATORY CONTROL SAMPLE: 1337043

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2600	104	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2590	104	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2540	102	70-130	
1,1-Dichloroethane	ug/kg	2500	2810	112	70-133	
1,1-Dichloroethene	ug/kg	2500	2430	97	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2290	92	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2260	90	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2530	101	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2440	98	70-130	
1,2-Dichloroethane	ug/kg	2500	2660	106	70-138	
1,2-Dichloropropane	ug/kg	2500	2780	111	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2390	96	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2380	95	70-130	
Benzene	ug/kg	2500	2680	107	70-130	
Bromodichloromethane	ug/kg	2500	2590	104	70-130	
Bromoform	ug/kg	2500	2160	86	68-130	
Bromomethane	ug/kg	2500	2030	81	25-163	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40132289

LABORATORY CONTROL SAMPLE: 1337043

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2370	95	70-130	
Chlorobenzene	ug/kg	2500	2470	99	70-130	
Chloroethane	ug/kg	2500	2100	84	34-151	
Chloroform	ug/kg	2500	2560	103	70-130	
Chloromethane	ug/kg	2500	1970	79	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2600	104	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2450	98	70-130	
Dibromochloromethane	ug/kg	2500	2300	92	70-130	
Dichlorodifluoromethane	ug/kg	2500	1330	53	27-150	
Ethylbenzene	ug/kg	2500	2540	101	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2580	103	70-130	
m&p-Xylene	ug/kg	5000	5100	102	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2950	118	70-130	
Methylene Chloride	ug/kg	2500	2670	107	70-131	
o-Xylene	ug/kg	2500	2600	104	70-130	
Styrene	ug/kg	2500	2450	98	70-130	
Tetrachloroethene	ug/kg	2500	2340	94	70-130	
Toluene	ug/kg	2500	2520	101	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2770	111	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2370	95	70-130	
Trichloroethene	ug/kg	2500	2570	103	70-130	
Trichlorofluoromethane	ug/kg	2500	2190	88	50-150	
Vinyl chloride	ug/kg	2500	2230	89	57-130	
4-Bromofluorobenzene (S)	%			96	48-138	
Dibromofluoromethane (S)	%			102	53-165	
Toluene-d8 (S)	%			99	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1337044 1337045

Parameter	Units	40132250001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1590	1590	1510	1530	95	97	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1590	1590	1630	1660	103	105	70-130	2	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1590	1590	1640	1630	103	103	70-130	0	20	
1,1-Dichloroethane	ug/kg	<25.0	1590	1590	1490	1660	94	105	64-133	11	20	
1,1-Dichloroethene	ug/kg	<25.0	1590	1590	1390	1370	88	86	56-130	2	24	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1590	1590	1600	1540	101	97	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1590	1590	1510	1500	95	94	50-150	1	20	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1590	1590	1610	1610	101	101	70-130	0	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1590	1590	1590	1580	100	100	70-130	1	20	
1,2-Dichloroethane	ug/kg	<25.0	1590	1590	1680	1730	106	109	70-138	3	20	
1,2-Dichloropropane	ug/kg	<25.0	1590	1590	1680	1720	106	109	70-130	3	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1590	1590	1560	1550	99	98	70-130	1	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1590	1590	1570	1530	99	96	70-130	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40132289

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1337044				1337045								
Parameter	Units	40132250001	MS	MSD	MS	MSD	MS	MSD	% Rec	Max		Qual
		Result	Spike	Spike						Result	Result	
			Conc.	Conc.					Limits			
Benzene	ug/kg	<25.0	1590	1590	1960	1690	124	106	70-130	15	20	
Bromodichloromethane	ug/kg	<25.0	1590	1590	1580	1640	100	103	70-130	3	20	
Bromoform	ug/kg	<25.0	1590	1590	1320	1400	83	88	65-130	5	20	
Bromomethane	ug/kg	<69.9	1590	1590	1140	1190	72	75	11-163	5	21	
Carbon tetrachloride	ug/kg	<25.0	1590	1590	1320	1390	83	88	70-130	6	20	
Chlorobenzene	ug/kg	<25.0	1590	1590	1560	1550	98	98	70-130	1	20	
Chloroethane	ug/kg	<67.0	1590	1590	1250	1200	79	76	17-151	4	20	
Chloroform	ug/kg	<46.4	1590	1590	1660	1620	105	102	70-130	3	20	
Chloromethane	ug/kg	<25.0	1590	1590	863	892	54	56	13-130	3	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1590	1590	1770	1620	112	102	70-130	9	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1590	1590	1560	1560	98	98	70-130	0	20	
Dibromochloromethane	ug/kg	<25.0	1590	1590	1420	1460	89	92	70-130	3	20	
Dichlorodifluoromethane	ug/kg	<25.0	1590	1590	262	281	16	18	10-150	7	21	
Ethylbenzene	ug/kg	<25.0	1590	1590	1550	1530	98	96	70-130	2	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1590	1590	1570	1540	99	97	70-130	2	20	
m&p-Xylene	ug/kg	<50.0	3170	3170	3180	3120	100	98	70-130	2	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1590	1590	1870	1710	118	108	70-130	9	20	
Methylene Chloride	ug/kg	<25.0	1590	1590	1730	1580	109	100	70-131	9	20	
o-Xylene	ug/kg	<25.0	1590	1590	1590	1590	100	100	70-130	0	20	
Styrene	ug/kg	<25.0	1590	1590	1530	1500	96	94	70-130	2	20	
Tetrachloroethene	ug/kg	<25.0	1590	1590	1370	1380	86	87	70-130	1	20	
Toluene	ug/kg	<25.0	1590	1590	1550	1540	98	97	70-130	1	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1590	1590	1750	1540	110	97	70-130	13	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1590	1590	1500	1500	94	94	70-130	0	20	
Trichloroethene	ug/kg	<25.0	1590	1590	1540	1600	97	101	70-130	3	20	
Trichlorofluoromethane	ug/kg	<25.0	1590	1590	1230	1140	78	72	40-150	8	31	
Vinyl chloride	ug/kg	<25.0	1590	1590	1030	1040	65	65	26-130	1	20	
4-Bromofluorobenzene (S)	%						97	94	48-138			
Dibromofluoromethane (S)	%						106	103	53-165			
Toluene-d8 (S)	%						100	99	54-163			

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40132289

QC Batch: MSV/33589 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40132289005, 40132289006, 40132289007, 40132289008

METHOD BLANK: 1337994 Matrix: Solid
Associated Lab Samples: 40132289005, 40132289006, 40132289007, 40132289008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	05/20/16 08:02	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	05/20/16 08:02	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	05/20/16 08:02	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	05/20/16 08:02	
1,1-Dichloroethane	ug/kg	<17.6	50.0	05/20/16 08:02	
1,1-Dichloroethene	ug/kg	<17.6	50.0	05/20/16 08:02	
1,1-Dichloropropene	ug/kg	<14.0	50.0	05/20/16 08:02	
1,2,3-Trichlorobenzene	ug/kg	19.2J	50.0	05/20/16 08:02	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	05/20/16 08:02	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	05/20/16 08:02	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	05/20/16 08:02	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	05/20/16 08:02	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	05/20/16 08:02	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	05/20/16 08:02	
1,2-Dichloroethane	ug/kg	<15.0	50.0	05/20/16 08:02	
1,2-Dichloropropane	ug/kg	<16.8	50.0	05/20/16 08:02	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	05/20/16 08:02	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	05/20/16 08:02	
1,3-Dichloropropane	ug/kg	<12.0	50.0	05/20/16 08:02	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	05/20/16 08:02	
2,2-Dichloropropane	ug/kg	<12.6	50.0	05/20/16 08:02	
2-Chlorotoluene	ug/kg	<15.8	50.0	05/20/16 08:02	
4-Chlorotoluene	ug/kg	<13.0	50.0	05/20/16 08:02	
Benzene	ug/kg	<9.2	20.0	05/20/16 08:02	
Bromobenzene	ug/kg	<20.6	50.0	05/20/16 08:02	
Bromochloromethane	ug/kg	<21.4	50.0	05/20/16 08:02	
Bromodichloromethane	ug/kg	<9.8	50.0	05/20/16 08:02	
Bromoform	ug/kg	<19.8	50.0	05/20/16 08:02	
Bromomethane	ug/kg	<69.9	250	05/20/16 08:02	
Carbon tetrachloride	ug/kg	<12.1	50.0	05/20/16 08:02	
Chlorobenzene	ug/kg	<14.8	50.0	05/20/16 08:02	
Chloroethane	ug/kg	<67.0	250	05/20/16 08:02	
Chloroform	ug/kg	<46.4	250	05/20/16 08:02	
Chloromethane	ug/kg	<20.4	50.0	05/20/16 08:02	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	05/20/16 08:02	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	05/20/16 08:02	
Dibromochloromethane	ug/kg	<17.9	50.0	05/20/16 08:02	
Dibromomethane	ug/kg	<19.3	50.0	05/20/16 08:02	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	05/20/16 08:02	
Diisopropyl ether	ug/kg	<17.7	50.0	05/20/16 08:02	
Ethylbenzene	ug/kg	<12.4	50.0	05/20/16 08:02	

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40132289

METHOD BLANK: 1337994 Matrix: Solid
Associated Lab Samples: 40132289005, 40132289006, 40132289007, 40132289008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	05/20/16 08:02	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	05/20/16 08:02	
m&p-Xylene	ug/kg	<34.4	100	05/20/16 08:02	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	05/20/16 08:02	
Methylene Chloride	ug/kg	<16.2	50.0	05/20/16 08:02	
n-Butylbenzene	ug/kg	<10.5	50.0	05/20/16 08:02	
n-Propylbenzene	ug/kg	<11.6	50.0	05/20/16 08:02	
Naphthalene	ug/kg	<40.0	250	05/20/16 08:02	
o-Xylene	ug/kg	<14.0	50.0	05/20/16 08:02	
p-Isopropyltoluene	ug/kg	<12.0	50.0	05/20/16 08:02	
sec-Butylbenzene	ug/kg	<11.9	50.0	05/20/16 08:02	
Styrene	ug/kg	<9.0	50.0	05/20/16 08:02	
tert-Butylbenzene	ug/kg	<9.5	50.0	05/20/16 08:02	
Tetrachloroethene	ug/kg	<12.9	50.0	05/20/16 08:02	
Toluene	ug/kg	<11.2	50.0	05/20/16 08:02	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	05/20/16 08:02	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	05/20/16 08:02	
Trichloroethene	ug/kg	<23.6	50.0	05/20/16 08:02	
Trichlorofluoromethane	ug/kg	<24.7	50.0	05/20/16 08:02	
Vinyl chloride	ug/kg	<21.1	50.0	05/20/16 08:02	
4-Bromofluorobenzene (S)	%	93	48-138	05/20/16 08:02	
Dibromofluoromethane (S)	%	104	53-165	05/20/16 08:02	
Toluene-d8 (S)	%	105	54-163	05/20/16 08:02	

LABORATORY CONTROL SAMPLE: 1337995

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2490	100	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2580	103	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2600	104	70-130	
1,1-Dichloroethane	ug/kg	2500	2370	95	70-133	
1,1-Dichloroethene	ug/kg	2500	2160	86	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2170	87	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2190	87	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2540	102	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2440	97	70-130	
1,2-Dichloroethane	ug/kg	2500	2560	103	70-138	
1,2-Dichloropropane	ug/kg	2500	2740	109	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2330	93	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2300	92	70-130	
Benzene	ug/kg	2500	2640	106	70-130	
Bromodichloromethane	ug/kg	2500	2590	104	70-130	
Bromoform	ug/kg	2500	2090	84	68-130	
Bromomethane	ug/kg	2500	1880	75	25-163	

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QUALITY CONTROL DATA

Project: 256 STATE

Pace Project No.: 40132289

LABORATORY CONTROL SAMPLE: 1337995

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2230	89	70-130	
Chlorobenzene	ug/kg	2500	2550	102	70-130	
Chloroethane	ug/kg	2500	1940	77	34-151	
Chloroform	ug/kg	2500	2530	101	70-130	
Chloromethane	ug/kg	2500	1890	76	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2630	105	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2340	94	70-130	
Dibromochloromethane	ug/kg	2500	2260	90	70-130	
Dichlorodifluoromethane	ug/kg	2500	1160	46	27-150	
Ethylbenzene	ug/kg	2500	2640	106	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2690	108	70-130	
m&p-Xylene	ug/kg	5000	5360	107	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2570	103	70-130	
Methylene Chloride	ug/kg	2500	2410	96	70-131	
o-Xylene	ug/kg	2500	2690	108	70-130	
Styrene	ug/kg	2500	2500	100	70-130	
Tetrachloroethene	ug/kg	2500	2370	95	70-130	
Toluene	ug/kg	2500	2640	106	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2550	102	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2330	93	70-130	
Trichloroethene	ug/kg	2500	2560	103	70-130	
Trichlorofluoromethane	ug/kg	2500	2100	84	50-150	
Vinyl chloride	ug/kg	2500	2170	87	57-130	
4-Bromofluorobenzene (S)	%			100	48-138	
Dibromofluoromethane (S)	%			102	53-165	
Toluene-d8 (S)	%			105	54-163	

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40132289

QC Batch: OEXT/30466 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40132289001, 40132289002, 40132289003, 40132289004, 40132289005, 40132289006, 40132289007, 40132289008

METHOD BLANK: 1339661 Matrix: Solid
Associated Lab Samples: 40132289001, 40132289002, 40132289003, 40132289004, 40132289005, 40132289006, 40132289007, 40132289008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<8.3	16.7	05/23/16 14:05	
2-Methylnaphthalene	ug/kg	<8.3	16.7	05/23/16 14:05	
Acenaphthene	ug/kg	<8.3	16.7	05/23/16 14:05	
Acenaphthylene	ug/kg	<7.5	16.7	05/23/16 14:05	
Anthracene	ug/kg	<8.6	16.7	05/23/16 14:05	
Benzo(a)anthracene	ug/kg	<5.8	16.7	05/23/16 14:05	
Benzo(a)pyrene	ug/kg	<6.0	16.7	05/23/16 14:05	
Benzo(b)fluoranthene	ug/kg	<8.3	16.7	05/23/16 14:05	
Benzo(g,h,i)perylene	ug/kg	<6.3	16.7	05/23/16 14:05	
Benzo(k)fluoranthene	ug/kg	<9.2	16.7	05/23/16 14:05	
Chrysene	ug/kg	<7.7	16.7	05/23/16 14:05	
Dibenz(a,h)anthracene	ug/kg	<6.1	16.7	05/23/16 14:05	
Fluoranthene	ug/kg	<8.3	16.7	05/23/16 14:05	
Fluorene	ug/kg	<8.3	16.7	05/23/16 14:05	
Indeno(1,2,3-cd)pyrene	ug/kg	<6.3	16.7	05/23/16 14:05	
Naphthalene	ug/kg	<8.3	16.7	05/23/16 14:05	
Phenanthrene	ug/kg	<8.3	16.7	05/23/16 14:05	
Pyrene	ug/kg	<8.3	16.7	05/23/16 14:05	
2-Fluorobiphenyl (S)	%	60	26-130	05/23/16 14:05	
Terphenyl-d14 (S)	%	72	10-130	05/23/16 14:05	

LABORATORY CONTROL SAMPLE: 1339662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	260	78	48-130	
2-Methylnaphthalene	ug/kg	333	254	76	49-130	
Acenaphthene	ug/kg	333	205	61	54-130	
Acenaphthylene	ug/kg	333	209	63	56-130	
Anthracene	ug/kg	333	258	77	70-130	
Benzo(a)anthracene	ug/kg	333	228	68	58-130	
Benzo(a)pyrene	ug/kg	333	249	75	58-130	
Benzo(b)fluoranthene	ug/kg	333	249	75	50-130	
Benzo(g,h,i)perylene	ug/kg	333	268	80	39-130	
Benzo(k)fluoranthene	ug/kg	333	226	68	57-130	
Chrysene	ug/kg	333	264	79	64-130	
Dibenz(a,h)anthracene	ug/kg	333	258	77	44-130	
Fluoranthene	ug/kg	333	249	75	59-130	
Fluorene	ug/kg	333	209	63	56-130	

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40132289

LABORATORY CONTROL SAMPLE: 1339662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/kg	333	250	75	45-130	
Naphthalene	ug/kg	333	227	68	46-130	
Phenanthrene	ug/kg	333	244	73	56-130	
Pyrene	ug/kg	333	230	69	59-130	
2-Fluorobiphenyl (S)	%			62	26-130	
Terphenyl-d14 (S)	%			78	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1339663 1339664

Parameter	Units	40132310001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<10.2	406	406	312	291	77	71	41-130	7	24
2-Methylnaphthalene	ug/kg	<10.2	406	406	294	272	72	67	42-130	8	25
Acenaphthene	ug/kg	<10.2	406	406	249	240	61	59	49-130	4	27
Acenaphthylene	ug/kg	<9.1	406	406	249	238	61	59	52-130	4	26
Anthracene	ug/kg	<10.5	406	406	300	304	74	75	61-130	1	29
Benzo(a)anthracene	ug/kg	<7.0	406	406	265	266	65	65	45-130	0	28
Benzo(a)pyrene	ug/kg	<7.3	406	406	287	285	70	70	39-130	1	34
Benzo(b)fluoranthene	ug/kg	<10.2	406	406	275	258	67	63	30-130	7	43
Benzo(g,h,i)perylene	ug/kg	<7.7	406	406	308	307	75	75	24-130	0	34
Benzo(k)fluoranthene	ug/kg	<11.3	406	406	291	300	71	73	41-130	3	32
Chrysene	ug/kg	<9.4	406	406	298	301	73	73	46-130	1	37
Dibenz(a,h)anthracene	ug/kg	<7.5	406	406	299	298	73	73	33-130	0	34
Fluoranthene	ug/kg	<10.2	406	406	294	291	72	71	41-130	1	25
Fluorene	ug/kg	<10.2	406	406	257	249	63	61	49-130	3	30
Indeno(1,2,3-cd)pyrene	ug/kg	<7.7	406	406	296	294	72	72	30-130	1	28
Naphthalene	ug/kg	<10.2	406	406	266	240	65	59	39-130	10	26
Phenanthrene	ug/kg	<10.2	406	406	289	287	71	70	47-130	1	26
Pyrene	ug/kg	<10.2	406	406	265	258	65	63	37-130	3	30
2-Fluorobiphenyl (S)	%						55	50	26-130		
Terphenyl-d14 (S)	%						68	67	10-130		

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QUALITY CONTROL DATA

Project: 256 STATE

Pace Project No.: 40132289

QC Batch: PMST/12773

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40132289001, 40132289002, 40132289003, 40132289004, 40132289005, 40132289006, 40132289007, 40132289008

SAMPLE DUPLICATE: 1339935

Parameter	Units	40132289001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.7	21.7	0	10	

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

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QUALIFIERS

Project: 256 STATE
Pace Project No.: 40132289

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 256 STATE
Pace Project No.: 40132289

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40132289001	B1-1	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289002	B1-2	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289003	B2-1	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289004	B2-2	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289005	B3-1	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289006	B3-2	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289007	B4-1	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289008	B4-2	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289001	B1-1	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289002	B1-2	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289003	B2-1	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289004	B2-2	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289005	B3-1	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289006	B3-2	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289007	B4-1	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289008	B4-2	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289001	B1-1	EPA 5035/5030B	MSV/33547	EPA 8260	MSV/33548
40132289002	B1-2	EPA 5035/5030B	MSV/33547	EPA 8260	MSV/33548
40132289003	B2-1	EPA 5035/5030B	MSV/33547	EPA 8260	MSV/33548
40132289004	B2-2	EPA 5035/5030B	MSV/33547	EPA 8260	MSV/33548
40132289005	B3-1	EPA 5035/5030B	MSV/33589	EPA 8260	MSV/33591
40132289006	B3-2	EPA 5035/5030B	MSV/33589	EPA 8260	MSV/33591
40132289007	B4-1	EPA 5035/5030B	MSV/33589	EPA 8260	MSV/33591
40132289008	B4-2	EPA 5035/5030B	MSV/33589	EPA 8260	MSV/33591
40132289001	B1-1	ASTM D2974-87	PMST/12773		
40132289002	B1-2	ASTM D2974-87	PMST/12773		
40132289003	B2-1	ASTM D2974-87	PMST/12773		
40132289004	B2-2	ASTM D2974-87	PMST/12773		
40132289005	B3-1	ASTM D2974-87	PMST/12773		
40132289006	B3-2	ASTM D2974-87	PMST/12773		
40132289007	B4-1	ASTM D2974-87	PMST/12773		
40132289008	B4-2	ASTM D2974-87	PMST/12773		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **LF Green**
 Branch/Location: **MILW**
 Project Contact: **Linda Fellenz**
 Phone: **414 254-4813**
 Project Number: **256 State**
 Project Name: **256 State**
 Project State: **WI**
 Sampled By (Print): **Linda Fellenz**
 Sampled By (Sign): *[Signature]*
 PO #:

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	B1-1	5/2/06	9:50	S
002	B1-2		10:00	
003	B2-1		10:30	
004	B2-2		10:30	
005	B3-1		11:00	
006	B3-2		11:00	
007	B4-1		11:25	
008	B4-2		11:25	



CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested
Y	F	JOC
N		PAHs
N		Lead

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

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40132289

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Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:

Email #2:

Telephone:

Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *[Signature]* Date/Time: 5/13/06 12:15
 Relinquished By: *[Signature]* Date/Time: 5/13/06 14:20
 Relinquished By: Date/Time:
 Relinquished By: Date/Time:
 Relinquished By: Date/Time:

Received By: *[Signature]* Date/Time: 5/13/06 12:15
 Received By: *[Signature]* Date/Time: 5/13/06 14:20
 Received By: Date/Time:
 Received By: Date/Time:
 Received By: Date/Time:

PACE Project No.
 40132289

Receipt Temp = 72.0 °C

Sample Receipt pH
 OK / Adjusted

Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302


Pace Analytical

Project #:

WO#: 40132289

Client Name: LF GreenCourier: ☐ Fed Ex ☐ UPS ☒ Client ☐ Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ noCustody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ noPacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____Thermometer Used: NA Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☒ Samples on ice, cooling process has begunCooler Temperature: Uncorr: _____ /Corr: ROI Biological Tissue is Frozen: ☐ yesTemp Blank Present: ☐ yes ☒ no ☐ no

Temp should be above freezing to 6°C for all sample except Biota.

Frozen Biota Samples should be received ≤ 0°C.

Comments:

Person examining contents:

Date: 5-13-16Initials: MV

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	5.
- VOA Samples frozen upon receipt	☐ Yes ☐ No	Date/Time:
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	7.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	8.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	9.
-Pace Containers Used:	☒ Yes ☐ No ☐ N/A	
-Pace IR Containers Used:	☐ Yes ☐ No ☒ N/A	
Containers Intact:	☒ Yes ☐ No ☐ N/A	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		<u>No date/time on 4oz Pⁿ.</u> <u>5-13-16</u> <u>MV</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐ Yes ☐ No ☒ N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO ₃ , H ₂ SO ₄ ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐ Yes ☐ No ☒ N/A	☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ NaOH + ZnAct
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐ Yes ☐ No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A	14.
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	15.
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: 5/16/16



Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: BURLINGTON
Pace Project No.: 4038060

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888

New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: BURLINGTON
Pace Project No.: 4038060

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4038060001	#1	Solid	10/04/10 11:00	10/08/10 09:15
4038060002	#2	Solid	10/04/10 11:15	10/08/10 09:15
4038060003	#3	Solid	10/04/10 13:00	10/08/10 09:15
4038060004	#4	Solid	10/04/10 13:15	10/08/10 09:15
4038060005	#5	Solid	10/04/10 13:15	10/08/10 09:15
4038060006	#6	Solid	10/04/10 14:10	10/08/10 09:15
4038060007	#7	Solid	10/04/10 14:15	10/08/10 09:15
4038060008	#8	Solid	10/04/10 14:20	10/08/10 09:15
4038060009	#9	Solid	10/04/10 16:05	10/08/10 09:15
4038060010	#10	Solid	10/04/10 16:10	10/08/10 09:15
4038060011	#11	Solid	10/04/10 17:00	10/08/10 09:15
4038060012	#12	Solid	10/04/10 17:15	10/08/10 09:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: BURLINGTON
Pace Project No.: 4038060

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4038060001	#1	WI MOD DRO	DAL	1
		WI MOD GRO	PMS	10
		ASTM D2974-87	BLF	1
4038060002	#2	WI MOD DRO	DAL	1
		WI MOD GRO	PMS	10
		ASTM D2974-87	BLF	1
4038060003	#3	WI MOD GRO	PMS	11
		ASTM D2974-87	BLF	1
4038060004	#4	WI MOD GRO	PMS	11
		ASTM D2974-87	BLF	1
4038060005	#5	WI MOD GRO	PMS	11
		ASTM D2974-87	BLF	1
4038060006	#6	WI MOD GRO	PMS	11
		ASTM D2974-87	BLF	1
4038060007	#7	WI MOD DRO	DAL	1
		WI MOD GRO	PMS	11
		ASTM D2974-87	BLF	1
4038060008	#8	WI MOD GRO	PMS	11
		ASTM D2974-87	BLF	1
4038060009	#9	WI MOD GRO	PMS	11
		ASTM D2974-87	BLF	1
4038060010	#10	WI MOD GRO	PMS	11
		ASTM D2974-87	BLF	1
4038060011	#11	WI MOD GRO	PMS	11
		ASTM D2974-87	BLF	1
4038060012	#12	WI MOD GRO	PMS	11
		ASTM D2974-87	BLF	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BURLINGTON
Pace Project No.: 4038060

Sample: #1 Lab ID: 4038060001 Collected: 10/04/10 11:00 Received: 10/08/10 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO									
Diesel Range Organics	<1.0 mg/kg		2.1	1.0	1	10/14/10 09:41	10/14/10 12:55		
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:22	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:22	100-41-4	W
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:22	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:22	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:22	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:22	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:22	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/13/10 07:19	10/13/10 13:22	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:22	95-47-6	W
a,a,a-Trifluorotoluene (S)	106 %		80-120		1	10/13/10 07:19	10/13/10 13:22	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	17.9 %		0.10	0.10	1		10/13/10 07:45		

Sample: #2 Lab ID: 4038060002 Collected: 10/04/10 11:15 Received: 10/08/10 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO									
Diesel Range Organics	<0.93 mg/kg		1.9	0.93	1	10/14/10 09:41	10/14/10 13:04		
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:48	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:48	100-41-4	W
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:48	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:48	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:48	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:48	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:48	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/13/10 07:19	10/13/10 13:48	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 13:48	95-47-6	W
a,a,a-Trifluorotoluene (S)	107 %		80-120		1	10/13/10 07:19	10/13/10 13:48	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	10.1 %		0.10	0.10	1		10/13/10 07:45		

ANALYTICAL RESULTS

Project: BURLINGTON
Pace Project No.: 4038060

Sample: #3 Lab ID: 4038060003 Collected: 10/04/10 13:00 Received: 10/08/10 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:13	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:13	100-41-4	W
Gasoline Range Organics	<2.7 mg/kg		2.7	2.7	1	10/13/10 07:19	10/13/10 14:13		
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:13	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:13	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:13	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:13	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:13	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/13/10 07:19	10/13/10 14:13	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:13	95-47-6	W
a,a,a-Trifluorotoluene (S)	106 %		80-120		1	10/13/10 07:19	10/13/10 14:13	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	5.8 %		0.10	0.10	1		10/13/10 07:45		

Sample: #4 Lab ID: 4038060004 Collected: 10/04/10 13:15 Received: 10/08/10 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:39	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:39	100-41-4	W
Gasoline Range Organics	<3.4 mg/kg		3.4	3.4	1	10/13/10 07:19	10/13/10 14:39		
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:39	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:39	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:39	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:39	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:39	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/13/10 07:19	10/13/10 14:39	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 14:39	95-47-6	W
a,a,a-Trifluorotoluene (S)	107 %		80-120		1	10/13/10 07:19	10/13/10 14:39	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	26.4 %		0.10	0.10	1		10/13/10 07:45		



Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: BURLINGTON
Pace Project No.: 4038060

Sample: #5 Lab ID: 4038060005 Collected: 10/04/10 13:15 Received: 10/08/10 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:04	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:04	100-41-4	W
Gasoline Range Organics	<2.9 mg/kg		2.9	2.9	1	10/13/10 07:19	10/13/10 15:04		
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:04	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:04	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:04	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:04	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:04	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/13/10 07:19	10/13/10 15:04	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:04	95-47-6	W
a,a,a-Trifluorotoluene (S)	106 %		80-120		1	10/13/10 07:19	10/13/10 15:04	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	12.8 %		0.10	0.10	1		10/13/10 07:46		

Sample: #6 Lab ID: 4038060006 Collected: 10/04/10 14:10 Received: 10/08/10 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:30	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:30	100-41-4	W
Gasoline Range Organics	<2.7 mg/kg		2.7	2.7	1	10/13/10 07:19	10/13/10 15:30		
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:30	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:30	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:30	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:30	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:30	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/13/10 07:19	10/13/10 15:30	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:30	95-47-6	W
a,a,a-Trifluorotoluene (S)	107 %		80-120		1	10/13/10 07:19	10/13/10 15:30	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	8.5 %		0.10	0.10	1		10/13/10 07:46		

Date: 10/15/2010 10:48 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BURLINGTON
Pace Project No.: 4038060

Sample: #7 Lab ID: 4038060007 Collected: 10/04/10 14:15 Received: 10/08/10 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO									
Diesel Range Organics	<1.3 mg/kg		2.6	1.3	1	10/14/10 09:41	10/14/10 13:13		
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:55	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:55	100-41-4	W
Gasoline Range Organics	4.2 mg/kg		3.2	3.2	1	10/13/10 07:19	10/13/10 15:55		
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 15:55	1634-04-4	W
Naphthalene	64.7J ug/kg		77.4	32.2	1	10/13/10 07:19	10/13/10 15:55	91-20-3	B
Toluene	112 ug/kg		77.4	32.2	1	10/13/10 07:19	10/13/10 15:55	108-88-3	
1,2,4-Trimethylbenzene	119 ug/kg		77.4	32.2	1	10/13/10 07:19	10/13/10 15:55	95-63-6	
1,3,5-Trimethylbenzene	120 ug/kg		77.4	32.2	1	10/13/10 07:19	10/13/10 15:55	108-67-8	
m&p-Xylene	225 ug/kg		155	64.5	1	10/13/10 07:19	10/13/10 15:55	179601-23-1	
o-Xylene	120 ug/kg		77.4	32.2	1	10/13/10 07:19	10/13/10 15:55	95-47-6	
a,a,a-Trifluorotoluene (S)	107 %		80-120		1	10/13/10 07:19	10/13/10 15:55	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	22.4 %		0.10	0.10	1		10/13/10 07:46		

Sample: #8 Lab ID: 4038060008 Collected: 10/04/10 14:20 Received: 10/08/10 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:21	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:21	100-41-4	W
Gasoline Range Organics	<2.8 mg/kg		2.8	2.8	1	10/13/10 07:19	10/13/10 16:21		
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:21	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:21	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:21	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:21	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:21	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/13/10 07:19	10/13/10 16:21	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:21	95-47-6	W
a,a,a-Trifluorotoluene (S)	106 %		80-120		1	10/13/10 07:19	10/13/10 16:21	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	12.0 %		0.10	0.10	1		10/13/10 07:46		

ANALYTICAL RESULTS

Project: BURLINGTON
Pace Project No.: 4038060

Sample: #9 Lab ID: 4038060009 Collected: 10/04/10 16:05 Received: 10/08/10 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:46	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:46	100-41-4	W
Gasoline Range Organics	<2.7 mg/kg		2.7	2.7	1	10/13/10 07:19	10/13/10 16:46		
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:46	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:46	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:46	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:46	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:46	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/13/10 07:19	10/13/10 16:46	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 16:46	95-47-6	W
a,a,a-Trifluorotoluene (S)	106 %		80-120		1	10/13/10 07:19	10/13/10 16:46	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	8.3 %		0.10	0.10	1		10/13/10 07:46		

Sample: #10 Lab ID: 4038060010 Collected: 10/04/10 16:10 Received: 10/08/10 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<312 ug/kg		750	312	12.5	10/13/10 07:19	10/13/10 18:28	71-43-2	W
Ethylbenzene	2750 ug/kg		931	388	12.5	10/13/10 07:19	10/13/10 18:28	100-41-4	
Gasoline Range Organics	1420 mg/kg		38.8	38.8	12.5	10/13/10 07:19	10/13/10 18:28		
Methyl-tert-butyl ether	<312 ug/kg		750	312	12.5	10/13/10 07:19	10/13/10 18:28	1634-04-4	W
Naphthalene	11200 ug/kg		931	388	12.5	10/13/10 07:19	10/13/10 18:28	91-20-3	B
Toluene	646J ug/kg		931	388	12.5	10/13/10 07:19	10/13/10 18:28	108-88-3	
1,2,4-Trimethylbenzene	52000 ug/kg		931	388	12.5	10/13/10 07:19	10/13/10 18:28	95-63-6	
1,3,5-Trimethylbenzene	26000 ug/kg		931	388	12.5	10/13/10 07:19	10/13/10 18:28	108-67-8	
m&p-Xylene	6300 ug/kg		1860	776	12.5	10/13/10 07:19	10/13/10 18:28	179601-23-1	
o-Xylene	2360 ug/kg		931	388	12.5	10/13/10 07:19	10/13/10 18:28	95-47-6	
a,a,a-Trifluorotoluene (S)	128 %		80-120		12.5	10/13/10 07:19	10/13/10 18:28	98-08-8	S7
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	19.4 %		0.10	0.10	1		10/13/10 07:46		

ANALYTICAL RESULTS

Project: BURLINGTON
Pace Project No.: 4038060

Sample: #11 Lab ID: 4038060011 Collected: 10/04/10 17:00 Received: 10/08/10 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 20:36	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 20:36	100-41-4	W
Gasoline Range Organics	<2.6 mg/kg		2.6	2.6	1	10/13/10 07:19	10/13/10 20:36		
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 20:36	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 20:36	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 20:36	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 20:36	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 20:36	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/13/10 07:19	10/13/10 20:36	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 20:36	95-47-6	W
a,a,a-Trifluorotoluene (S)	108 %		80-120		1	10/13/10 07:19	10/13/10 20:36	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	3.5 %		0.10	0.10	1		10/13/10 07:46		

Sample: #12 Lab ID: 4038060012 Collected: 10/04/10 17:15 Received: 10/08/10 09:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Benzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 21:01	71-43-2	W
Ethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 21:01	100-41-4	W
Gasoline Range Organics	<3.1 mg/kg		3.1	3.1	1	10/13/10 07:19	10/13/10 21:01		
Methyl-tert-butyl ether	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 21:01	1634-04-4	W
Naphthalene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 21:01	91-20-3	W
Toluene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 21:01	108-88-3	W
1,2,4-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 21:01	95-63-6	W
1,3,5-Trimethylbenzene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 21:01	108-67-8	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/13/10 07:19	10/13/10 21:01	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/13/10 07:19	10/13/10 21:01	95-47-6	W
a,a,a-Trifluorotoluene (S)	106 %		80-120		1	10/13/10 07:19	10/13/10 21:01	98-08-8	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	20.1 %		0.10	0.10	1		10/13/10 07:46		

QUALITY CONTROL DATA

Project: BURLINGTON
Pace Project No.: 4038060

QC Batch: OEXT/9431 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 4038060001, 4038060002, 4038060007

METHOD BLANK: 369759 Matrix: Solid

Associated Lab Samples: 4038060001, 4038060002, 4038060007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	<0.99	2.0	10/14/10 10:14	

LABORATORY CONTROL SAMPLE & LCSD: 369760

369761

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	40	29.7	34.1	74	85	70-120	14	20	

QUALITY CONTROL DATA

Project: BURLINGTON
Pace Project No.: 4038060

QC Batch: GCV/5713 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 4038060001, 4038060002, 4038060003, 4038060004, 4038060005, 4038060006, 4038060007, 4038060008,
4038060009, 4038060010, 4038060011, 4038060012

METHOD BLANK: 369019 Matrix: Solid
Associated Lab Samples: 4038060001, 4038060002, 4038060003, 4038060004, 4038060005, 4038060006, 4038060007, 4038060008,
4038060009, 4038060010, 4038060011, 4038060012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	10/13/10 11:40	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	10/13/10 11:40	
Benzene	ug/kg	<25.0	60.0	10/13/10 11:40	
Ethylbenzene	ug/kg	<25.0	60.0	10/13/10 11:40	
Gasoline Range Organics	mg/kg	<2.5	2.5	10/13/10 11:40	
m&p-Xylene	ug/kg	<50.0	120	10/13/10 11:40	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	10/13/10 11:40	
Naphthalene	ug/kg	<25.0	60.0	10/13/10 11:40	
o-Xylene	ug/kg	<25.0	60.0	10/13/10 11:40	
Toluene	ug/kg	<25.0	60.0	10/13/10 11:40	
a,a,a-Trifluorotoluene (S)	%	106	80-120	10/13/10 11:40	

LABORATORY CONTROL SAMPLE & LCSD: 369020

369021

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1000	1030	100	103	80-120	2	20	
1,3,5-Trimethylbenzene	ug/kg	1000	989	1020	99	102	80-120	3	20	
Benzene	ug/kg	1000	967	987	97	99	80-120	2	20	
Ethylbenzene	ug/kg	1000	999	1020	100	102	80-120	2	20	
Gasoline Range Organics	mg/kg	10	10.1	10.5	101	105	80-120	4	20	
m&p-Xylene	ug/kg	2000	2000	2040	100	102	80-120	2	20	
Methyl-tert-butyl ether	ug/kg	1000	995	947	99	95	80-120	5	20	
Naphthalene	ug/kg	1000	1030	995	103	100	80-120	4	20	
o-Xylene	ug/kg	1000	995	1010	100	101	80-120	2	20	
Toluene	ug/kg	1000	986	1000	99	100	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				106	107	80-120			



Pace Analytical Services, Inc.
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: BURLINGTON
Pace Project No.: 4038060

QC Batch: PMST/4726 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4038060001, 4038060002, 4038060003, 4038060004, 4038060005, 4038060006, 4038060007, 4038060008,
4038060009, 4038060010, 4038060011, 4038060012

SAMPLE DUPLICATE: 368971

Parameter	Units	4038089001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	23.1	23.7	2	10	



Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: BURLINGTON
Pace Project No.: 4038060

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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

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 NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

- | | |
|----|---|
| B | Analyte was detected in the associated method blank. |
| S7 | Surrogate recovery outside control limits (not confirmed by re-analysis). |
| W | Non-detect results are reported on a wet weight basis. |



4038060

(Please Print Clearly)	
Company Name:	Seymour
Branch/Location:	
Project Contact:	Robyn Seymour
Phone:	603 938 9120
Project Number:	
Project Name:	Burlington
Project State:	VT
Sampled By (Print):	Robyn Seymour
Sampled By (Sign):	Robyn Seymour
PO #:	Regulatory Program:



CHAIN OF CUSTODY

Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaCH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
1-20mg ^K ↓	1-4mg ^K	1-20mg ^F
1-20mg ^A		
1-20mg ^K 1/13 Bwid.		
1-20mg ^A	1-hiplock ↓	↓

Data Package Options (billable)	MS/MSD	Matrix Codes
☐ EPA Level III	☐ On your sample (billable)	A = Air B = Biota C = Charcoal O = Oil S = Soil SL = Sludge
☐ EPA Level IV	☐ NOT needed on your sample	W = Water DW = Drinking Water GW = Ground Water S = Surface Water WW = Waste Water WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	#1	9/4	1100	
002	#2		1115	
003	#3		1300	
004	#4		1315	
005	#5		1400	
006	#6		1410	
007	#7		1415	
008	#8		1420	
009	#9		1605	
010	#10		1610	
011	#11		1700	
012	#12		1715	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:		Relinquished By: <i>Arden Legros</i> Date/Time: <i>10/8/10 pm</i>	Received By: _____ Date/Time: _____	PACE Project No. <i>4038060</i> Receipt Temp = <i>201</i> °C Sample Receipt pH OK / Adjusted <i>N/A</i> Cooler Custody Seal Present / Not Present Intact / Not Intact
Transmit Prelim Rush Results by (complete what you want):		Relinquished By: <i>Dunham</i> Date/Time: <i>10/8/10 0915</i>	Received By: <i>Q</i> Date/Time: <i>10/8/10 0915</i>	
Email #1:		Relinquished By: _____	Received By: _____	
Email #2:		Relinquished By: _____	Received By: _____	
Telephone:		Relinquished By: _____	Received By: _____	
Fax:		Relinquished By: _____	Received By: _____	
Samples on HOLD are subject to special pricing and release of liability		Relinquished By: _____	Received By: _____	



APPENDIX B

SOIL BORING LOGS

PHASE II ESA

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page _____ of _____

Facility/Project Name Former Gas Station 256 State Street			License/Permit/Monitoring Number		Boring Number B-1
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: _____ Firm: Horizon Construction			Date Drilling Started 05/12/2016 m m / d d / y y y y	Date Drilling Completed 05/12/2016 m m / d d / y y y y	Drilling Method Geoprobe
WI Unique Well No. _____	DNR Well ID No. _____	Well Name _____	Final Static Water Level _____ Feet MSL	Surface Elevation _____ Feet MSL	Borehole Diameter 2 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____ N, _____ E SW 1/4 of NW 1/4 of Section 32, T 3 N, R 19E			Lat 0 ' " Long _____	Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
Facility ID _____		County Racine	County Code 5 2	Civil Town/City/ or Village Burlington	

Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			0-0.5	Asphalt and concrete				<10		D				
			0.5-1.5'	gravel				<10		D				
			1.5-4	silty clay				<10		M				
			4-10	lt. brown sand and gravel -dry				<10		D				
			10-15	sand and gravel dry				<10		D				
			15-20	sand and gravel				<10		D				
				End of Boring 20'										

Sample:

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Linda J. Fellenz</i>	Firm LF Green Development, LLC
--------------------------------------	--

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐

Page _____ of _____

Facility/Project Name Former Gas Station 256 State Street		License/Permit/Monitoring Number		Boring Number B-3	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: _____ Firm: Horizon Construction		Date Drilling Started 05/12/2016 m m d d y y y y	Date Drilling Completed 05/12/2016 m m d d y y y y	Drilling Method Geoprobe	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level _____ Feet MSL	Surface Elevation _____ Feet MSL	Borehole Diameter 2 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐		Lat 0 ' " 0 ' "		Local Grid Location ☐ N ☐ E ☐ S ☐ W	
State Plane SW/4 of NW 1/4 of Section 32, T 3 N, R 19 E		Long _____		Feet _____ Feet _____	
Facility ID		County Racine	County Code 5 2	Civil Town/City/ or Village Burlington	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			0-0.5	Asphalt and concrete				<10		D				
			.5-1.5	topsoil				<10		D				
			1.5-5	sand and gravel				<10		M				
			5-10	lt. brown sand and gravel -dry				<10		D				
			10-13	silty clay some sand and gravel dry				<10		D				
			13-20	sand and gravel				<10		D				
				End of Boring 20'										

Sample:

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Linda J. Fellenz</i>	Firm LF Green Development, LLC
--------------------------------------	--

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐

Page ____ of ____

Facility/Project Name Former Gas Station 256 State Street		License/Permit/Monitoring Number		Boring Number B-3	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: Horizon Construction		Date Drilling Started 05/12/2016 m m d d y y y y	Date Drilling Completed 05/12/2016 m m d d y y y y	Drilling Method Geoprobe	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level ____ Feet MSL	Surface Elevation ____ Feet MSL	Borehole Diameter 2 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐		Lat 0 ' " 0 ' "		Local Grid Location ☐ N ☐ E ☐ S ☐ W	
State Plane SW/4 of NW 1/4 of Section 32, T 3 N, R 19 E		Long _____		Feet _____ Feet _____	
Facility ID		County Racine	County Code 5 2	Civil Town/City/ or Village Burlington	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			0-0.5	Asphalt and concrete				<10		D				
			.5-1.5	topsoil				<10		D				
			1.5-5	sand and gravel				<10		M				
			5-10	lt. brown sand and gravel -dry				<10		D				
			10-13	silty clay some sand and gravel dry				<10		D				
			13-20	sand and gravel				<10		D				
				End of Boring 20'										

Sample:

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Linda J Fellenz</i>	Firm LF Green Development, LLC
-------------------------------------	--

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page _____ of _____

Facility/Project Name Former Gas Station 256 State Street			License/Permit/Monitoring Number		Boring Number B-4
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: _____ Firm: Horizon Construction			Date Drilling Started 05 / 12 / 2016 m m / d d / y y y y	Date Drilling Completed 05 / 12 / 2016 m m / d d / y y y y	Drilling Method Geoprobe
WI Unique Well No. _____	DNR Well ID No. _____	Well Name _____	Final Static Water Level _____ Feet MSL	Surface Elevation _____ Feet MSL	Borehole Diameter 2 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____ N, _____ E SW 1/4 of NW 1/4 of Section 32, T 3 N, R 19E			Lat 0 ' " Long _____	Local Grid Location Feet ☐ N ☐ E ☐ S _____ Feet ☐ W	
Facility ID _____		County Racine	County Code 5 2	Civil Town/City/ or Village Burlington	

Sample		Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			0-0.5	Asphalt and concrete				<10		D				
			0.5-1	gravel				<10		D				
			1-3.5	black organic (topsoil?)				<10		M				
			3.5-5	lt. brown silty clay - soft - dry				<10		D				
			5-12'	sand and gravel dry				<10		D				
			12-13.5	silty clay - soft				<10		D				
			13.5-17	silty clay stiff				<10		D				
			17-20	silty sand and gravel				<10		D				
				End of Boring 20'										

Sample:

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Linda J. Fellenz</i>	Firm LF Green Development, LLC
--------------------------------------	--

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.



APPENDIX C

SOIL LABORATORY ANALYTICAL REPORTS

PHASE II ESA SOIL SAMPLES

May 25, 2016

Linda Fellenz
LF Green Development
5600 W Brown Deer Road
Milwaukee, WI 53223

RE: Project: 256 STATE
Pace Project No.: 40132289

Dear Linda Fellenz:

Enclosed are the analytical results for sample(s) received by the laboratory on May 13, 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.

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

Sincerely,



Steven Mleczko
steve.mleczko@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: 256 STATE

Pace Project No.: 40132289

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150

South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 256 STATE

Pace Project No.: 40132289

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40132289001	B1-1	Solid	05/12/16 09:50	05/13/16 14:20
40132289002	B1-2	Solid	05/12/16 10:00	05/13/16 14:20
40132289003	B2-1	Solid	05/12/16 10:30	05/13/16 14:20
40132289004	B2-2	Solid	05/12/16 10:30	05/13/16 14:20
40132289005	B3-1	Solid	05/12/16 11:00	05/13/16 14:20
40132289006	B3-2	Solid	05/12/16 11:00	05/13/16 14:20
40132289007	B4-1	Solid	05/12/16 11:25	05/13/16 14:20
40132289008	B4-2	Solid	05/12/16 11:25	05/13/16 14:20

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: 256 STATE
Pace Project No.: 40132289

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40132289001	B1-1	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40132289002	B1-2	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40132289003	B2-1	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40132289004	B2-2	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40132289005	B3-1	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40132289006	B3-2	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40132289007	B4-1	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G
40132289008	B4-2	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	TEL	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B1-1 **Lab ID: 40132289001** Collected: 05/12/16 09:50 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	25.3	mg/kg	1.4	0.52	1	05/23/16 08:54	05/24/16 12:09	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	83-32-9	
Acenaphthylene	<9.5	ug/kg	21.3	9.5	1	05/23/16 09:46	05/23/16 17:17	208-96-8	
Anthracene	<11.0	ug/kg	21.3	11.0	1	05/23/16 09:46	05/23/16 17:17	120-12-7	
Benzo(a)anthracene	<7.4	ug/kg	21.3	7.4	1	05/23/16 09:46	05/23/16 17:17	56-55-3	
Benzo(a)pyrene	<7.6	ug/kg	21.3	7.6	1	05/23/16 09:46	05/23/16 17:17	50-32-8	
Benzo(b)fluoranthene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	205-99-2	
Benzo(g,h,i)perylene	<8.1	ug/kg	21.3	8.1	1	05/23/16 09:46	05/23/16 17:17	191-24-2	
Benzo(k)fluoranthene	<11.8	ug/kg	21.3	11.8	1	05/23/16 09:46	05/23/16 17:17	207-08-9	
Chrysene	<9.8	ug/kg	21.3	9.8	1	05/23/16 09:46	05/23/16 17:17	218-01-9	
Dibenz(a,h)anthracene	<7.8	ug/kg	21.3	7.8	1	05/23/16 09:46	05/23/16 17:17	53-70-3	
Fluoranthene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	206-44-0	
Fluorene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	86-73-7	
Indeno(1,2,3-cd)pyrene	<8.1	ug/kg	21.3	8.1	1	05/23/16 09:46	05/23/16 17:17	193-39-5	
1-Methylnaphthalene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	90-12-0	
2-Methylnaphthalene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	91-57-6	
Naphthalene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	91-20-3	
Phenanthrene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	85-01-8	
Pyrene	<10.6	ug/kg	21.3	10.6	1	05/23/16 09:46	05/23/16 17:17	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	26-130		1	05/23/16 09:46	05/23/16 17:17	321-60-8	
Terphenyl-d14 (S)	73	%	10-130		1	05/23/16 09:46	05/23/16 17:17	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	05/18/16 13:30	05/20/16 01:35	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	05/18/16 13:30	05/20/16 01:35	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	05/18/16 13:30	05/20/16 01:35	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	05/18/16 13:30	05/20/16 01:35	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B1-1 **Lab ID: 40132289001** Collected: 05/12/16 09:50 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	05/18/16 13:30	05/20/16 01:35	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	05/18/16 13:30	05/20/16 01:35	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/18/16 13:30	05/20/16 01:35	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:35	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	53-165		1	05/18/16 13:30	05/20/16 01:35	1868-53-7	
Toluene-d8 (S)	96	%	54-163		1	05/18/16 13:30	05/20/16 01:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B1-1 **Lab ID: 40132289001** Collected: 05/12/16 09:50 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	89	%	48-138		1	05/18/16 13:30	05/20/16 01:35	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	21.7	%	0.10	0.10	1		05/23/16 15:48		

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B1-2 **Lab ID: 40132289002** Collected: 05/12/16 10:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	3.8	mg/kg	1.3	0.45	1	05/23/16 08:54	05/24/16 12:02	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<8.8	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	83-32-9	
Acenaphthylene	<7.9	ug/kg	17.5	7.9	1	05/23/16 09:46	05/23/16 17:34	208-96-8	
Anthracene	11.0J	ug/kg	17.5	9.1	1	05/23/16 09:46	05/23/16 17:34	120-12-7	
Benzo(a)anthracene	27.0	ug/kg	17.5	6.1	1	05/23/16 09:46	05/23/16 17:34	56-55-3	
Benzo(a)pyrene	23.3	ug/kg	17.5	6.3	1	05/23/16 09:46	05/23/16 17:34	50-32-8	
Benzo(b)fluoranthene	23.9	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	205-99-2	
Benzo(g,h,i)perylene	15.5J	ug/kg	17.5	6.7	1	05/23/16 09:46	05/23/16 17:34	191-24-2	
Benzo(k)fluoranthene	26.1	ug/kg	17.5	9.7	1	05/23/16 09:46	05/23/16 17:34	207-08-9	
Chrysene	43.5	ug/kg	17.5	8.1	1	05/23/16 09:46	05/23/16 17:34	218-01-9	
Dibenz(a,h)anthracene	<6.4	ug/kg	17.5	6.4	1	05/23/16 09:46	05/23/16 17:34	53-70-3	
Fluoranthene	97.9	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	206-44-0	
Fluorene	<8.8	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	86-73-7	
Indeno(1,2,3-cd)pyrene	14.1J	ug/kg	17.5	6.7	1	05/23/16 09:46	05/23/16 17:34	193-39-5	
1-Methylnaphthalene	64.7	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	90-12-0	
2-Methylnaphthalene	131	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	91-57-6	
Naphthalene	102	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	91-20-3	
Phenanthrene	59.0	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	85-01-8	
Pyrene	60.8	ug/kg	17.5	8.8	1	05/23/16 09:46	05/23/16 17:34	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	26-130		1	05/23/16 09:46	05/23/16 17:34	321-60-8	
Terphenyl-d14 (S)	59	%	10-130		1	05/23/16 09:46	05/23/16 17:34	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	05/18/16 13:30	05/20/16 01:58	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	05/18/16 13:30	05/20/16 01:58	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	05/18/16 13:30	05/20/16 01:58	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	05/18/16 13:30	05/20/16 01:58	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B1-2 Lab ID: 40132289002 Collected: 05/12/16 10:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	1634-04-4	W
Naphthalene	50.5J	ug/kg	263	42.2	1	05/18/16 13:30	05/20/16 01:58	91-20-3	
n-Propylbenzene	107	ug/kg	63.2	26.3	1	05/18/16 13:30	05/20/16 01:58	103-65-1	
Styrene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	05/18/16 13:30	05/20/16 01:58	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	96-18-4	W
1,2,4-Trimethylbenzene	222	ug/kg	63.2	26.3	1	05/18/16 13:30	05/20/16 01:58	95-63-6	
1,3,5-Trimethylbenzene	85.3	ug/kg	63.2	26.3	1	05/18/16 13:30	05/20/16 01:58	108-67-8	
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 01:58	75-01-4	W
m&p-Xylene	100J	ug/kg	126	52.6	1	05/18/16 13:30	05/20/16 01:58	179601-23-1	
o-Xylene	57.3J	ug/kg	63.2	26.3	1	05/18/16 13:30	05/20/16 01:58	95-47-6	
Surrogates									
Dibromofluoromethane (S)	109	%	53-165		1	05/18/16 13:30	05/20/16 01:58	1868-53-7	
Toluene-d8 (S)	107	%	54-163		1	05/18/16 13:30	05/20/16 01:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B1-2 **Lab ID: 40132289002** Collected: 05/12/16 10:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	95	%	48-138		1	05/18/16 13:30	05/20/16 01:58	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	5.0	%	0.10	0.10	1		05/23/16 15:48		

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B2-1 **Lab ID: 40132289003** Collected: 05/12/16 10:30 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	15.6	mg/kg	1.5	0.53	1	05/23/16 08:54	05/24/16 12:12	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	83-32-9	
Acenaphthylene	<9.3	ug/kg	20.8	9.3	1	05/23/16 09:46	05/23/16 17:51	208-96-8	
Anthracene	<10.8	ug/kg	20.8	10.8	1	05/23/16 09:46	05/23/16 17:51	120-12-7	
Benzo(a)anthracene	<7.2	ug/kg	20.8	7.2	1	05/23/16 09:46	05/23/16 17:51	56-55-3	
Benzo(a)pyrene	<7.4	ug/kg	20.8	7.4	1	05/23/16 09:46	05/23/16 17:51	50-32-8	
Benzo(b)fluoranthene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	205-99-2	
Benzo(g,h,i)perylene	<7.9	ug/kg	20.8	7.9	1	05/23/16 09:46	05/23/16 17:51	191-24-2	
Benzo(k)fluoranthene	<11.5	ug/kg	20.8	11.5	1	05/23/16 09:46	05/23/16 17:51	207-08-9	
Chrysene	<9.6	ug/kg	20.8	9.6	1	05/23/16 09:46	05/23/16 17:51	218-01-9	
Dibenz(a,h)anthracene	<7.6	ug/kg	20.8	7.6	1	05/23/16 09:46	05/23/16 17:51	53-70-3	
Fluoranthene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	206-44-0	
Fluorene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	86-73-7	
Indeno(1,2,3-cd)pyrene	<7.9	ug/kg	20.8	7.9	1	05/23/16 09:46	05/23/16 17:51	193-39-5	
1-Methylnaphthalene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	90-12-0	
2-Methylnaphthalene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	91-57-6	
Naphthalene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	91-20-3	
Phenanthrene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	85-01-8	
Pyrene	<10.4	ug/kg	20.8	10.4	1	05/23/16 09:46	05/23/16 17:51	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	26-130		1	05/23/16 09:46	05/23/16 17:51	321-60-8	
Terphenyl-d14 (S)	61	%	10-130		1	05/23/16 09:46	05/23/16 17:51	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	05/18/16 13:30	05/20/16 02:21	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	05/18/16 13:30	05/20/16 02:21	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	05/18/16 13:30	05/20/16 02:21	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	05/18/16 13:30	05/20/16 02:21	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B2-1 **Lab ID: 40132289003** Collected: 05/12/16 10:30 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	05/18/16 13:30	05/20/16 02:21	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	05/18/16 13:30	05/20/16 02:21	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/18/16 13:30	05/20/16 02:21	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/18/16 13:30	05/20/16 02:21	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	123	%	53-165		1	05/18/16 13:30	05/20/16 02:21	1868-53-7	
Toluene-d8 (S)	120	%	54-163		1	05/18/16 13:30	05/20/16 02:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B2-1 **Lab ID: 40132289003** Collected: 05/12/16 10:30 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	104	%	48-138		1	05/18/16 13:30	05/20/16 02:21	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	19.9	%	0.10	0.10	1		05/23/16 15:48		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B2-2 **Lab ID: 40132289004** Collected: 05/12/16 10:30 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	5.4	mg/kg	1.2	0.42	1	05/23/16 08:54	05/24/16 12:14	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<8.7	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	83-32-9	
Acenaphthylene	<7.7	ug/kg	17.3	7.7	1	05/23/16 09:46	05/23/16 18:08	208-96-8	
Anthracene	<9.0	ug/kg	17.3	9.0	1	05/23/16 09:46	05/23/16 18:08	120-12-7	
Benzo(a)anthracene	6.5J	ug/kg	17.3	6.0	1	05/23/16 09:46	05/23/16 18:08	56-55-3	
Benzo(a)pyrene	<6.2	ug/kg	17.3	6.2	1	05/23/16 09:46	05/23/16 18:08	50-32-8	
Benzo(b)fluoranthene	<8.7	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	205-99-2	
Benzo(g,h,i)perylene	<6.6	ug/kg	17.3	6.6	1	05/23/16 09:46	05/23/16 18:08	191-24-2	
Benzo(k)fluoranthene	<9.6	ug/kg	17.3	9.6	1	05/23/16 09:46	05/23/16 18:08	207-08-9	
Chrysene	13.3J	ug/kg	17.3	8.0	1	05/23/16 09:46	05/23/16 18:08	218-01-9	
Dibenz(a,h)anthracene	<6.3	ug/kg	17.3	6.3	1	05/23/16 09:46	05/23/16 18:08	53-70-3	
Fluoranthene	28.0	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	206-44-0	
Fluorene	<8.7	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	86-73-7	
Indeno(1,2,3-cd)pyrene	<6.6	ug/kg	17.3	6.6	1	05/23/16 09:46	05/23/16 18:08	193-39-5	
1-Methylnaphthalene	<8.7	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	90-12-0	
2-Methylnaphthalene	<8.7	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	91-57-6	
Naphthalene	<8.7	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	91-20-3	
Phenanthrene	15.9J	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	85-01-8	
Pyrene	17.2J	ug/kg	17.3	8.7	1	05/23/16 09:46	05/23/16 18:08	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	26-130		1	05/23/16 09:46	05/23/16 18:08	321-60-8	
Terphenyl-d14 (S)	71	%	10-130		1	05/23/16 09:46	05/23/16 18:08	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	71-43-2	W
Bromobenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	108-86-1	W
Bromochloromethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	74-97-5	W
Bromodichloromethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-27-4	W
Bromoform	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-25-2	W
Bromomethane	<72.8	ug/kg	260	72.8	1	05/18/16 13:30	05/20/16 02:44	74-83-9	W
n-Butylbenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	104-51-8	W
sec-Butylbenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	135-98-8	W
tert-Butylbenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	98-06-6	W
Carbon tetrachloride	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	56-23-5	W
Chlorobenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	108-90-7	W
Chloroethane	<69.8	ug/kg	260	69.8	1	05/18/16 13:30	05/20/16 02:44	75-00-3	W
Chloroform	<48.4	ug/kg	260	48.4	1	05/18/16 13:30	05/20/16 02:44	67-66-3	W
Chloromethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	74-87-3	W
2-Chlorotoluene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	95-49-8	W
4-Chlorotoluene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	106-43-4	W
1,2-Dibromo-3-chloropropane	<95.0	ug/kg	260	95.0	1	05/18/16 13:30	05/20/16 02:44	96-12-8	W
Dibromochloromethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	124-48-1	W
1,2-Dibromoethane (EDB)	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B2-2 **Lab ID: 40132289004** Collected: 05/12/16 10:30 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	74-95-3	W
1,2-Dichlorobenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	95-50-1	W
1,3-Dichlorobenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	541-73-1	W
1,4-Dichlorobenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	106-46-7	W
Dichlorodifluoromethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-71-8	W
1,1-Dichloroethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-34-3	W
1,2-Dichloroethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	107-06-2	W
1,1-Dichloroethene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-35-4	W
cis-1,2-Dichloroethene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	156-59-2	W
trans-1,2-Dichloroethene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	156-60-5	W
1,2-Dichloropropane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	78-87-5	W
1,3-Dichloropropane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	142-28-9	W
2,2-Dichloropropane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	594-20-7	W
1,1-Dichloropropene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	563-58-6	W
cis-1,3-Dichloropropene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	10061-01-5	W
trans-1,3-Dichloropropene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	10061-02-6	W
Diisopropyl ether	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	108-20-3	W
Ethylbenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	100-41-4	W
Hexachloro-1,3-butadiene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	87-68-3	W
Isopropylbenzene (Cumene)	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	98-82-8	W
p-Isopropyltoluene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	99-87-6	W
Methylene Chloride	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-09-2	W
Methyl-tert-butyl ether	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	1634-04-4	W
Naphthalene	<41.7	ug/kg	260	41.7	1	05/18/16 13:30	05/20/16 02:44	91-20-3	W
n-Propylbenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	103-65-1	W
Styrene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	100-42-5	W
1,1,1,2-Tetrachloroethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	630-20-6	W
1,1,2,2-Tetrachloroethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	79-34-5	W
Tetrachloroethene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	127-18-4	W
Toluene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	108-88-3	W
1,2,3-Trichlorobenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	87-61-6	W
1,2,4-Trichlorobenzene	<49.5	ug/kg	260	49.5	1	05/18/16 13:30	05/20/16 02:44	120-82-1	W
1,1,1-Trichloroethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	71-55-6	W
1,1,2-Trichloroethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	79-00-5	W
Trichloroethene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	79-01-6	W
Trichlorofluoromethane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-69-4	W
1,2,3-Trichloropropane	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	96-18-4	W
1,2,4-Trimethylbenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	95-63-6	W
1,3,5-Trimethylbenzene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	108-67-8	W
Vinyl chloride	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	75-01-4	W
m&p-Xylene	<52.1	ug/kg	125	52.1	1	05/18/16 13:30	05/20/16 02:44	179601-23-1	W
o-Xylene	<26.0	ug/kg	62.5	26.0	1	05/18/16 13:30	05/20/16 02:44	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	53-165		1	05/18/16 13:30	05/20/16 02:44	1868-53-7	
Toluene-d8 (S)	110	%	54-163		1	05/18/16 13:30	05/20/16 02:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B2-2 **Lab ID: 40132289004** Collected: 05/12/16 10:30 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	95	%	48-138		1	05/18/16 13:30	05/20/16 02:44	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	3.7	%	0.10	0.10	1		05/23/16 15:48		

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B3-1 **Lab ID: 40132289005** Collected: 05/12/16 11:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	61.2	mg/kg	1.3	0.46	1	05/23/16 08:54	05/24/16 12:16	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<9.3	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	83-32-9	
Acenaphthylene	<8.3	ug/kg	18.6	8.3	1	05/23/16 09:46	05/24/16 13:27	208-96-8	
Anthracene	<9.6	ug/kg	18.6	9.6	1	05/23/16 09:46	05/24/16 13:27	120-12-7	
Benzo(a)anthracene	10.5J	ug/kg	18.6	6.4	1	05/23/16 09:46	05/24/16 13:27	56-55-3	
Benzo(a)pyrene	12.7J	ug/kg	18.6	6.7	1	05/23/16 09:46	05/24/16 13:27	50-32-8	
Benzo(b)fluoranthene	12.4J	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	205-99-2	
Benzo(g,h,i)perylene	20.5	ug/kg	18.6	7.1	1	05/23/16 09:46	05/24/16 13:27	191-24-2	
Benzo(k)fluoranthene	12.9J	ug/kg	18.6	10.3	1	05/23/16 09:46	05/24/16 13:27	207-08-9	
Chrysene	16.4J	ug/kg	18.6	8.6	1	05/23/16 09:46	05/24/16 13:27	218-01-9	
Dibenz(a,h)anthracene	<6.8	ug/kg	18.6	6.8	1	05/23/16 09:46	05/24/16 13:27	53-70-3	
Fluoranthene	25.6	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	206-44-0	
Fluorene	<9.3	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	86-73-7	
Indeno(1,2,3-cd)pyrene	10.4J	ug/kg	18.6	7.1	1	05/23/16 09:46	05/24/16 13:27	193-39-5	
1-Methylnaphthalene	<9.3	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	90-12-0	
2-Methylnaphthalene	<9.3	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	91-57-6	
Naphthalene	<9.3	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	91-20-3	
Phenanthrene	13.0J	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	85-01-8	
Pyrene	18.8	ug/kg	18.6	9.3	1	05/23/16 09:46	05/24/16 13:27	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	57	%	26-130		1	05/23/16 09:46	05/24/16 13:27	321-60-8	
Terphenyl-d14 (S)	74	%	10-130		1	05/23/16 09:46	05/24/16 13:27	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	05/19/16 13:30	05/20/16 16:26	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	05/19/16 13:30	05/20/16 16:26	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	05/19/16 13:30	05/20/16 16:26	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	05/19/16 13:30	05/20/16 16:26	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B3-1 **Lab ID: 40132289005** Collected: 05/12/16 11:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	05/19/16 13:30	05/20/16 16:26	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	05/19/16 13:30	05/20/16 16:26	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	05/19/16 13:30	05/20/16 16:26	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	05/19/16 13:30	05/20/16 16:26	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	53-165		1	05/19/16 13:30	05/20/16 16:26	1868-53-7	
Toluene-d8 (S)	106	%	54-163		1	05/19/16 13:30	05/20/16 16:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B3-1 **Lab ID: 40132289005** Collected: 05/12/16 11:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	97	%	48-138		1	05/19/16 13:30	05/20/16 16:26	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	10.4	%	0.10	0.10	1		05/23/16 15:48		

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B3-2 **Lab ID: 40132289006** Collected: 05/12/16 11:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	11.0	mg/kg	3.0	1.1	2	05/23/16 08:54	05/24/16 16:04	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	83-32-9	
Acenaphthylene	<9.6	ug/kg	21.4	9.6	1	05/23/16 09:46	05/23/16 18:26	208-96-8	
Anthracene	<11.1	ug/kg	21.4	11.1	1	05/23/16 09:46	05/23/16 18:26	120-12-7	
Benzo(a)anthracene	<7.4	ug/kg	21.4	7.4	1	05/23/16 09:46	05/23/16 18:26	56-55-3	
Benzo(a)pyrene	<7.6	ug/kg	21.4	7.6	1	05/23/16 09:46	05/23/16 18:26	50-32-8	
Benzo(b)fluoranthene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	205-99-2	
Benzo(g,h,i)perylene	<8.1	ug/kg	21.4	8.1	1	05/23/16 09:46	05/23/16 18:26	191-24-2	
Benzo(k)fluoranthene	<11.8	ug/kg	21.4	11.8	1	05/23/16 09:46	05/23/16 18:26	207-08-9	
Chrysene	<9.9	ug/kg	21.4	9.9	1	05/23/16 09:46	05/23/16 18:26	218-01-9	
Dibenz(a,h)anthracene	<7.8	ug/kg	21.4	7.8	1	05/23/16 09:46	05/23/16 18:26	53-70-3	
Fluoranthene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	206-44-0	
Fluorene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	86-73-7	
Indeno(1,2,3-cd)pyrene	<8.1	ug/kg	21.4	8.1	1	05/23/16 09:46	05/23/16 18:26	193-39-5	
1-Methylnaphthalene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	90-12-0	
2-Methylnaphthalene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	91-57-6	
Naphthalene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	91-20-3	
Phenanthrene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	85-01-8	
Pyrene	<10.7	ug/kg	21.4	10.7	1	05/23/16 09:46	05/23/16 18:26	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	42	%	26-130		1	05/23/16 09:46	05/23/16 18:26	321-60-8	
Terphenyl-d14 (S)	68	%	10-130		1	05/23/16 09:46	05/23/16 18:26	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	71-43-2	W
Bromobenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	108-86-1	W
Bromochloromethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	74-97-5	W
Bromodichloromethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-27-4	W
Bromoform	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-25-2	W
Bromomethane	<79.4	ug/kg	284	79.4	1	05/19/16 13:30	05/20/16 16:49	74-83-9	W
n-Butylbenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	104-51-8	W
sec-Butylbenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	135-98-8	W
tert-Butylbenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	98-06-6	W
Carbon tetrachloride	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	56-23-5	W
Chlorobenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	108-90-7	W
Chloroethane	<76.2	ug/kg	284	76.2	1	05/19/16 13:30	05/20/16 16:49	75-00-3	W
Chloroform	<52.8	ug/kg	284	52.8	1	05/19/16 13:30	05/20/16 16:49	67-66-3	W
Chloromethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	74-87-3	W
2-Chlorotoluene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	95-49-8	W
4-Chlorotoluene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	106-43-4	W
1,2-Dibromo-3-chloropropane	<104	ug/kg	284	104	1	05/19/16 13:30	05/20/16 16:49	96-12-8	W
Dibromochloromethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	124-48-1	W
1,2-Dibromoethane (EDB)	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B3-2 **Lab ID: 40132289006** Collected: 05/12/16 11:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	74-95-3	W
1,2-Dichlorobenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	95-50-1	W
1,3-Dichlorobenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	541-73-1	W
1,4-Dichlorobenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	106-46-7	W
Dichlorodifluoromethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-71-8	W
1,1-Dichloroethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-34-3	W
1,2-Dichloroethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	107-06-2	W
1,1-Dichloroethene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-35-4	W
cis-1,2-Dichloroethene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	156-59-2	W
trans-1,2-Dichloroethene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	156-60-5	W
1,2-Dichloropropane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	78-87-5	W
1,3-Dichloropropane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	142-28-9	W
2,2-Dichloropropane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	594-20-7	W
1,1-Dichloropropene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	563-58-6	W
cis-1,3-Dichloropropene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	10061-01-5	W
trans-1,3-Dichloropropene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	10061-02-6	W
Diisopropyl ether	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	108-20-3	W
Ethylbenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	100-41-4	W
Hexachloro-1,3-butadiene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	87-68-3	W
Isopropylbenzene (Cumene)	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	98-82-8	W
p-Isopropyltoluene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	99-87-6	W
Methylene Chloride	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-09-2	W
Methyl-tert-butyl ether	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	1634-04-4	W
Naphthalene	<45.5	ug/kg	284	45.5	1	05/19/16 13:30	05/20/16 16:49	91-20-3	W
n-Propylbenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	103-65-1	W
Styrene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	100-42-5	W
1,1,1,2-Tetrachloroethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	630-20-6	W
1,1,2,2-Tetrachloroethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	79-34-5	W
Tetrachloroethene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	127-18-4	W
Toluene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	108-88-3	W
1,2,3-Trichlorobenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	87-61-6	W
1,2,4-Trichlorobenzene	<54.0	ug/kg	284	54.0	1	05/19/16 13:30	05/20/16 16:49	120-82-1	W
1,1,1-Trichloroethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	71-55-6	W
1,1,2-Trichloroethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	79-00-5	W
Trichloroethene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	79-01-6	W
Trichlorofluoromethane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-69-4	W
1,2,3-Trichloropropane	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	96-18-4	W
1,2,4-Trimethylbenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	95-63-6	W
1,3,5-Trimethylbenzene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	108-67-8	W
Vinyl chloride	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	75-01-4	W
m&p-Xylene	<56.8	ug/kg	136	56.8	1	05/19/16 13:30	05/20/16 16:49	179601-23-1	W
o-Xylene	<28.4	ug/kg	68.2	28.4	1	05/19/16 13:30	05/20/16 16:49	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	112	%	53-165		1	05/19/16 13:30	05/20/16 16:49	1868-53-7	
Toluene-d8 (S)	122	%	54-163		1	05/19/16 13:30	05/20/16 16:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B3-2 **Lab ID: 40132289006** Collected: 05/12/16 11:00 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	106	%	48-138		1	05/19/16 13:30	05/20/16 16:49	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	22.0	%	0.10	0.10	1		05/23/16 15:48		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B4-1 **Lab ID: 40132289007** Collected: 05/12/16 11:25 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	195	mg/kg	1.2	0.44	1	05/23/16 08:54	05/24/16 14:05	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<8.7	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	83-32-9	
Acenaphthylene	<7.8	ug/kg	17.4	7.8	1	05/23/16 09:46	05/24/16 13:45	208-96-8	
Anthracene	14.1J	ug/kg	17.4	9.0	1	05/23/16 09:46	05/24/16 13:45	120-12-7	
Benzo(a)anthracene	49.5	ug/kg	17.4	6.0	1	05/23/16 09:46	05/24/16 13:45	56-55-3	
Benzo(a)pyrene	46.3	ug/kg	17.4	6.2	1	05/23/16 09:46	05/24/16 13:45	50-32-8	
Benzo(b)fluoranthene	80.5	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	205-99-2	
Benzo(g,h,i)perylene	41.0	ug/kg	17.4	6.6	1	05/23/16 09:46	05/24/16 13:45	191-24-2	
Benzo(k)fluoranthene	75.7	ug/kg	17.4	9.6	1	05/23/16 09:46	05/24/16 13:45	207-08-9	
Chrysene	137	ug/kg	17.4	8.0	1	05/23/16 09:46	05/24/16 13:45	218-01-9	
Dibenz(a,h)anthracene	14.2J	ug/kg	17.4	6.4	1	05/23/16 09:46	05/24/16 13:45	53-70-3	
Fluoranthene	213	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	206-44-0	
Fluorene	<8.7	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	86-73-7	
Indeno(1,2,3-cd)pyrene	36.8	ug/kg	17.4	6.6	1	05/23/16 09:46	05/24/16 13:45	193-39-5	
1-Methylnaphthalene	<8.7	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	90-12-0	
2-Methylnaphthalene	<8.7	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	91-57-6	
Naphthalene	<8.7	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	91-20-3	
Phenanthrene	89.1	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	85-01-8	
Pyrene	131	ug/kg	17.4	8.7	1	05/23/16 09:46	05/24/16 13:45	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	26-130		1	05/23/16 09:46	05/24/16 13:45	321-60-8	
Terphenyl-d14 (S)	72	%	10-130		1	05/23/16 09:46	05/24/16 13:45	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	71-43-2	W
Bromobenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	108-86-1	W
Bromochloromethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	74-97-5	W
Bromodichloromethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-27-4	W
Bromoform	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-25-2	W
Bromomethane	<76.8	ug/kg	275	76.8	1	05/19/16 13:30	05/20/16 17:12	74-83-9	W
n-Butylbenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	104-51-8	W
sec-Butylbenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	135-98-8	W
tert-Butylbenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	98-06-6	W
Carbon tetrachloride	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	56-23-5	W
Chlorobenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	108-90-7	W
Chloroethane	<73.6	ug/kg	275	73.6	1	05/19/16 13:30	05/20/16 17:12	75-00-3	W
Chloroform	<51.0	ug/kg	275	51.0	1	05/19/16 13:30	05/20/16 17:12	67-66-3	W
Chloromethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	74-87-3	W
2-Chlorotoluene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	95-49-8	W
4-Chlorotoluene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	106-43-4	W
1,2-Dibromo-3-chloropropane	<100	ug/kg	275	100	1	05/19/16 13:30	05/20/16 17:12	96-12-8	W
Dibromochloromethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	124-48-1	W
1,2-Dibromoethane (EDB)	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B4-1 **Lab ID: 40132289007** Collected: 05/12/16 11:25 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	74-95-3	W
1,2-Dichlorobenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	95-50-1	W
1,3-Dichlorobenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	541-73-1	W
1,4-Dichlorobenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	106-46-7	W
Dichlorodifluoromethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-71-8	W
1,1-Dichloroethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-34-3	W
1,2-Dichloroethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	107-06-2	W
1,1-Dichloroethene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-35-4	W
cis-1,2-Dichloroethene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	156-59-2	W
trans-1,2-Dichloroethene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	156-60-5	W
1,2-Dichloropropane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	78-87-5	W
1,3-Dichloropropane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	142-28-9	W
2,2-Dichloropropane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	594-20-7	W
1,1-Dichloropropene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	563-58-6	W
cis-1,3-Dichloropropene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	10061-01-5	W
trans-1,3-Dichloropropene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	10061-02-6	W
Diisopropyl ether	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	108-20-3	W
Ethylbenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	100-41-4	W
Hexachloro-1,3-butadiene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	87-68-3	W
Isopropylbenzene (Cumene)	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	98-82-8	W
p-Isopropyltoluene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	99-87-6	W
Methylene Chloride	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-09-2	W
Methyl-tert-butyl ether	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	1634-04-4	W
Naphthalene	<44.0	ug/kg	275	44.0	1	05/19/16 13:30	05/20/16 17:12	91-20-3	W
n-Propylbenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	103-65-1	W
Styrene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	100-42-5	W
1,1,1,2-Tetrachloroethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	630-20-6	W
1,1,2,2-Tetrachloroethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	79-34-5	W
Tetrachloroethene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	127-18-4	W
Toluene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	108-88-3	W
1,2,3-Trichlorobenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	87-61-6	W
1,2,4-Trichlorobenzene	<52.3	ug/kg	275	52.3	1	05/19/16 13:30	05/20/16 17:12	120-82-1	W
1,1,1-Trichloroethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	71-55-6	W
1,1,2-Trichloroethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	79-00-5	W
Trichloroethene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	79-01-6	W
Trichlorofluoromethane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-69-4	W
1,2,3-Trichloropropane	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	96-18-4	W
1,2,4-Trimethylbenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	95-63-6	W
1,3,5-Trimethylbenzene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	108-67-8	W
Vinyl chloride	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	75-01-4	W
m&p-Xylene	<54.9	ug/kg	132	54.9	1	05/19/16 13:30	05/20/16 17:12	179601-23-1	W
o-Xylene	<27.5	ug/kg	65.9	27.5	1	05/19/16 13:30	05/20/16 17:12	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	114	%	53-165		1	05/19/16 13:30	05/20/16 17:12	1868-53-7	
Toluene-d8 (S)	121	%	54-163		1	05/19/16 13:30	05/20/16 17:12	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B4-1 **Lab ID: 40132289007** Collected: 05/12/16 11:25 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	106	%	48-138		1	05/19/16 13:30	05/20/16 17:12	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	4.2	%	0.10	0.10	1		05/23/16 15:48		

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B4-2 **Lab ID: 40132289008** Collected: 05/12/16 11:25 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	17.6	mg/kg	1.3	0.47	1	05/23/16 08:54	05/24/16 14:07	7439-92-1	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	83-32-9	
Acenaphthylene	<9.1	ug/kg	20.4	9.1	1	05/23/16 09:46	05/23/16 18:43	208-96-8	
Anthracene	<10.6	ug/kg	20.4	10.6	1	05/23/16 09:46	05/23/16 18:43	120-12-7	
Benzo(a)anthracene	<7.1	ug/kg	20.4	7.1	1	05/23/16 09:46	05/23/16 18:43	56-55-3	
Benzo(a)pyrene	<7.3	ug/kg	20.4	7.3	1	05/23/16 09:46	05/23/16 18:43	50-32-8	
Benzo(b)fluoranthene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	205-99-2	
Benzo(g,h,i)perylene	<7.8	ug/kg	20.4	7.8	1	05/23/16 09:46	05/23/16 18:43	191-24-2	
Benzo(k)fluoranthene	<11.3	ug/kg	20.4	11.3	1	05/23/16 09:46	05/23/16 18:43	207-08-9	
Chrysene	<9.4	ug/kg	20.4	9.4	1	05/23/16 09:46	05/23/16 18:43	218-01-9	
Dibenz(a,h)anthracene	<7.5	ug/kg	20.4	7.5	1	05/23/16 09:46	05/23/16 18:43	53-70-3	
Fluoranthene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	206-44-0	
Fluorene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	86-73-7	
Indeno(1,2,3-cd)pyrene	<7.7	ug/kg	20.4	7.7	1	05/23/16 09:46	05/23/16 18:43	193-39-5	
1-Methylnaphthalene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	90-12-0	
2-Methylnaphthalene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	91-57-6	
Naphthalene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	91-20-3	
Phenanthrene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	85-01-8	
Pyrene	<10.2	ug/kg	20.4	10.2	1	05/23/16 09:46	05/23/16 18:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	26-130		1	05/23/16 09:46	05/23/16 18:43	321-60-8	
Terphenyl-d14 (S)	67	%	10-130		1	05/23/16 09:46	05/23/16 18:43	1718-51-0	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	71-43-2	W
Bromobenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	108-86-1	W
Bromochloromethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	74-97-5	W
Bromodichloromethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-27-4	W
Bromoform	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-25-2	W
Bromomethane	<71.3	ug/kg	255	71.3	1	05/19/16 13:30	05/20/16 17:36	74-83-9	W
n-Butylbenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	104-51-8	W
sec-Butylbenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	135-98-8	W
tert-Butylbenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	98-06-6	W
Carbon tetrachloride	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	56-23-5	W
Chlorobenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	108-90-7	W
Chloroethane	<68.4	ug/kg	255	68.4	1	05/19/16 13:30	05/20/16 17:36	75-00-3	W
Chloroform	<47.4	ug/kg	255	47.4	1	05/19/16 13:30	05/20/16 17:36	67-66-3	W
Chloromethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	74-87-3	W
2-Chlorotoluene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	95-49-8	W
4-Chlorotoluene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	106-43-4	W
1,2-Dibromo-3-chloropropane	<93.1	ug/kg	255	93.1	1	05/19/16 13:30	05/20/16 17:36	96-12-8	W
Dibromochloromethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	124-48-1	W
1,2-Dibromoethane (EDB)	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40132289

Sample: B4-2 **Lab ID: 40132289008** Collected: 05/12/16 11:25 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	74-95-3	W
1,2-Dichlorobenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	95-50-1	W
1,3-Dichlorobenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	541-73-1	W
1,4-Dichlorobenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	106-46-7	W
Dichlorodifluoromethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-71-8	W
1,1-Dichloroethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-34-3	W
1,2-Dichloroethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	107-06-2	W
1,1-Dichloroethene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-35-4	W
cis-1,2-Dichloroethene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	156-59-2	W
trans-1,2-Dichloroethene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	156-60-5	W
1,2-Dichloropropane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	78-87-5	W
1,3-Dichloropropane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	142-28-9	W
2,2-Dichloropropane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	594-20-7	W
1,1-Dichloropropene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	563-58-6	W
cis-1,3-Dichloropropene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	10061-01-5	W
trans-1,3-Dichloropropene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	10061-02-6	W
Diisopropyl ether	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	108-20-3	W
Ethylbenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	100-41-4	W
Hexachloro-1,3-butadiene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	87-68-3	W
Isopropylbenzene (Cumene)	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	98-82-8	W
p-Isopropyltoluene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	99-87-6	W
Methylene Chloride	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-09-2	W
Methyl-tert-butyl ether	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	1634-04-4	W
Naphthalene	<40.9	ug/kg	255	40.9	1	05/19/16 13:30	05/20/16 17:36	91-20-3	W
n-Propylbenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	103-65-1	W
Styrene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	79-34-5	W
Tetrachloroethene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	127-18-4	W
Toluene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	108-88-3	W
1,2,3-Trichlorobenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	87-61-6	W
1,2,4-Trichlorobenzene	<48.5	ug/kg	255	48.5	1	05/19/16 13:30	05/20/16 17:36	120-82-1	W
1,1,1-Trichloroethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	71-55-6	W
1,1,2-Trichloroethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	79-00-5	W
Trichloroethene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	79-01-6	W
Trichlorofluoromethane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-69-4	W
1,2,3-Trichloropropane	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	96-18-4	W
1,2,4-Trimethylbenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	95-63-6	W
1,3,5-Trimethylbenzene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	108-67-8	W
Vinyl chloride	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	75-01-4	W
m&p-Xylene	<51.0	ug/kg	122	51.0	1	05/19/16 13:30	05/20/16 17:36	179601-23-1	W
o-Xylene	<25.5	ug/kg	61.2	25.5	1	05/19/16 13:30	05/20/16 17:36	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	53-165		1	05/19/16 13:30	05/20/16 17:36	1868-53-7	
Toluene-d8 (S)	102	%	54-163		1	05/19/16 13:30	05/20/16 17:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE

Pace Project No.: 40132289

Sample: B4-2 **Lab ID: 40132289008** Collected: 05/12/16 11:25 Received: 05/13/16 14:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Surrogates									
4-Bromofluorobenzene (S)	88	%	48-138		1	05/19/16 13:30	05/20/16 17:36	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	18.2	%	0.10	0.10	1		05/23/16 15:48		

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QUALITY CONTROL DATA

Project: 256 STATE

Pace Project No.: 40132289

QC Batch:	MPRP/13778	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
Associated Lab Samples:	40132289001, 40132289002, 40132289003, 40132289004, 40132289005, 40132289006, 40132289007, 40132289008		

METHOD BLANK:	1338029	Matrix:	Solid
Associated Lab Samples:	40132289001, 40132289002, 40132289003, 40132289004, 40132289005, 40132289006, 40132289007, 40132289008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.43	1.2	05/24/16 11:56	

LABORATORY CONTROL SAMPLE & LCSD:		1338030	1338039							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Lead	mg/kg	50	51.1	49.8	102	100	80-120	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
1338031				1338032								
Parameter	Units	40132289002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/ka	3.8	52.5	52.3	50.8	51.3	90	91	75-125	1	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

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40132289

QC Batch: MSV/33547 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40132289001, 40132289002, 40132289003, 40132289004

METHOD BLANK: 1337042 Matrix: Solid
Associated Lab Samples: 40132289001, 40132289002, 40132289003, 40132289004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	05/19/16 07:28	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	05/19/16 07:28	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	05/19/16 07:28	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	05/19/16 07:28	
1,1-Dichloroethane	ug/kg	<17.6	50.0	05/19/16 07:28	
1,1-Dichloroethene	ug/kg	<17.6	50.0	05/19/16 07:28	
1,1-Dichloropropene	ug/kg	<14.0	50.0	05/19/16 07:28	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	05/19/16 07:28	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	05/19/16 07:28	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	05/19/16 07:28	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	05/19/16 07:28	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	05/19/16 07:28	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	05/19/16 07:28	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	05/19/16 07:28	
1,2-Dichloroethane	ug/kg	<15.0	50.0	05/19/16 07:28	
1,2-Dichloropropane	ug/kg	<16.8	50.0	05/19/16 07:28	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	05/19/16 07:28	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	05/19/16 07:28	
1,3-Dichloropropane	ug/kg	<12.0	50.0	05/19/16 07:28	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	05/19/16 07:28	
2,2-Dichloropropane	ug/kg	<12.6	50.0	05/19/16 07:28	
2-Chlorotoluene	ug/kg	<15.8	50.0	05/19/16 07:28	
4-Chlorotoluene	ug/kg	<13.0	50.0	05/19/16 07:28	
Benzene	ug/kg	<9.2	20.0	05/19/16 07:28	
Bromobenzene	ug/kg	<20.6	50.0	05/19/16 07:28	
Bromochloromethane	ug/kg	<21.4	50.0	05/19/16 07:28	
Bromodichloromethane	ug/kg	<9.8	50.0	05/19/16 07:28	
Bromoform	ug/kg	<19.8	50.0	05/19/16 07:28	
Bromomethane	ug/kg	<69.9	250	05/19/16 07:28	
Carbon tetrachloride	ug/kg	<12.1	50.0	05/19/16 07:28	
Chlorobenzene	ug/kg	<14.8	50.0	05/19/16 07:28	
Chloroethane	ug/kg	<67.0	250	05/19/16 07:28	
Chloroform	ug/kg	<46.4	250	05/19/16 07:28	
Chloromethane	ug/kg	<20.4	50.0	05/19/16 07:28	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	05/19/16 07:28	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	05/19/16 07:28	
Dibromochloromethane	ug/kg	<17.9	50.0	05/19/16 07:28	
Dibromomethane	ug/kg	<19.3	50.0	05/19/16 07:28	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	05/19/16 07:28	
Diisopropyl ether	ug/kg	<17.7	50.0	05/19/16 07:28	
Ethylbenzene	ug/kg	<12.4	50.0	05/19/16 07:28	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40132289

METHOD BLANK: 1337042 Matrix: Solid
Associated Lab Samples: 40132289001, 40132289002, 40132289003, 40132289004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	05/19/16 07:28	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	05/19/16 07:28	
m&p-Xylene	ug/kg	<34.4	100	05/19/16 07:28	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	05/19/16 07:28	
Methylene Chloride	ug/kg	<16.2	50.0	05/19/16 07:28	
n-Butylbenzene	ug/kg	19.2J	50.0	05/19/16 07:28	
n-Propylbenzene	ug/kg	<11.6	50.0	05/19/16 07:28	
Naphthalene	ug/kg	<40.0	250	05/19/16 07:28	
o-Xylene	ug/kg	<14.0	50.0	05/19/16 07:28	
p-Isopropyltoluene	ug/kg	<12.0	50.0	05/19/16 07:28	
sec-Butylbenzene	ug/kg	<11.9	50.0	05/19/16 07:28	
Styrene	ug/kg	<9.0	50.0	05/19/16 07:28	
tert-Butylbenzene	ug/kg	<9.5	50.0	05/19/16 07:28	
Tetrachloroethene	ug/kg	<12.9	50.0	05/19/16 07:28	
Toluene	ug/kg	<11.2	50.0	05/19/16 07:28	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	05/19/16 07:28	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	05/19/16 07:28	
Trichloroethene	ug/kg	<23.6	50.0	05/19/16 07:28	
Trichlorofluoromethane	ug/kg	<24.7	50.0	05/19/16 07:28	
Vinyl chloride	ug/kg	<21.1	50.0	05/19/16 07:28	
4-Bromofluorobenzene (S)	%	95	48-138	05/19/16 07:28	
Dibromofluoromethane (S)	%	102	53-165	05/19/16 07:28	
Toluene-d8 (S)	%	102	54-163	05/19/16 07:28	

LABORATORY CONTROL SAMPLE: 1337043

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2600	104	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2590	104	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2540	102	70-130	
1,1-Dichloroethane	ug/kg	2500	2810	112	70-133	
1,1-Dichloroethene	ug/kg	2500	2430	97	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2290	92	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2260	90	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2530	101	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2440	98	70-130	
1,2-Dichloroethane	ug/kg	2500	2660	106	70-138	
1,2-Dichloropropane	ug/kg	2500	2780	111	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2390	96	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2380	95	70-130	
Benzene	ug/kg	2500	2680	107	70-130	
Bromodichloromethane	ug/kg	2500	2590	104	70-130	
Bromoform	ug/kg	2500	2160	86	68-130	
Bromomethane	ug/kg	2500	2030	81	25-163	

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40132289

LABORATORY CONTROL SAMPLE: 1337043

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2370	95	70-130	
Chlorobenzene	ug/kg	2500	2470	99	70-130	
Chloroethane	ug/kg	2500	2100	84	34-151	
Chloroform	ug/kg	2500	2560	103	70-130	
Chloromethane	ug/kg	2500	1970	79	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2600	104	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2450	98	70-130	
Dibromochloromethane	ug/kg	2500	2300	92	70-130	
Dichlorodifluoromethane	ug/kg	2500	1330	53	27-150	
Ethylbenzene	ug/kg	2500	2540	101	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2580	103	70-130	
m&p-Xylene	ug/kg	5000	5100	102	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2950	118	70-130	
Methylene Chloride	ug/kg	2500	2670	107	70-131	
o-Xylene	ug/kg	2500	2600	104	70-130	
Styrene	ug/kg	2500	2450	98	70-130	
Tetrachloroethene	ug/kg	2500	2340	94	70-130	
Toluene	ug/kg	2500	2520	101	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2770	111	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2370	95	70-130	
Trichloroethene	ug/kg	2500	2570	103	70-130	
Trichlorofluoromethane	ug/kg	2500	2190	88	50-150	
Vinyl chloride	ug/kg	2500	2230	89	57-130	
4-Bromofluorobenzene (S)	%			96	48-138	
Dibromofluoromethane (S)	%			102	53-165	
Toluene-d8 (S)	%			99	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1337044 1337045

Parameter	Units	40132250001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1590	1590	1510	1530	95	97	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1590	1590	1630	1660	103	105	70-130	2	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1590	1590	1640	1630	103	103	70-130	0	20	
1,1-Dichloroethane	ug/kg	<25.0	1590	1590	1490	1660	94	105	64-133	11	20	
1,1-Dichloroethene	ug/kg	<25.0	1590	1590	1390	1370	88	86	56-130	2	24	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1590	1590	1600	1540	101	97	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1590	1590	1510	1500	95	94	50-150	1	20	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1590	1590	1610	1610	101	101	70-130	0	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1590	1590	1590	1580	100	100	70-130	1	20	
1,2-Dichloroethane	ug/kg	<25.0	1590	1590	1680	1730	106	109	70-138	3	20	
1,2-Dichloropropane	ug/kg	<25.0	1590	1590	1680	1720	106	109	70-130	3	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1590	1590	1560	1550	99	98	70-130	1	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1590	1590	1570	1530	99	96	70-130	3	20	

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QUALITY CONTROL DATA

Project: 256 STATE

Pace Project No.: 40132289

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1337044 1337045											
Parameter	Units	40132250001		MS	MSD	MS		MSD	% Rec	Max	
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	RPD
Benzene	ug/kg	<25.0	1590	1590	1590	1960	1690	124	106	70-130	15
Bromodichloromethane	ug/kg	<25.0	1590	1590	1590	1580	1640	100	103	70-130	3
Bromoform	ug/kg	<25.0	1590	1590	1590	1320	1400	83	88	65-130	5
Bromomethane	ug/kg	<69.9	1590	1590	1590	1140	1190	72	75	11-163	5
Carbon tetrachloride	ug/kg	<25.0	1590	1590	1590	1320	1390	83	88	70-130	6
Chlorobenzene	ug/kg	<25.0	1590	1590	1590	1560	1550	98	98	70-130	1
Chloroethane	ug/kg	<67.0	1590	1590	1590	1250	1200	79	76	17-151	4
Chloroform	ug/kg	<46.4	1590	1590	1590	1660	1620	105	102	70-130	3
Chloromethane	ug/kg	<25.0	1590	1590	1590	863	892	54	56	13-130	3
cis-1,2-Dichloroethene	ug/kg	<25.0	1590	1590	1590	1770	1620	112	102	70-130	9
cis-1,3-Dichloropropene	ug/kg	<25.0	1590	1590	1590	1560	1560	98	98	70-130	0
Dibromochloromethane	ug/kg	<25.0	1590	1590	1590	1420	1460	89	92	70-130	3
Dichlorodifluoromethane	ug/kg	<25.0	1590	1590	1590	262	281	16	18	10-150	7
Ethylbenzene	ug/kg	<25.0	1590	1590	1590	1550	1530	98	96	70-130	2
Isopropylbenzene (Cumene)	ug/kg	<25.0	1590	1590	1590	1570	1540	99	97	70-130	2
m&p-Xylene	ug/kg	<50.0	3170	3170	3170	3180	3120	100	98	70-130	2
Methyl-tert-butyl ether	ug/kg	<25.0	1590	1590	1590	1870	1710	118	108	70-130	9
Methylene Chloride	ug/kg	<25.0	1590	1590	1590	1730	1580	109	100	70-131	9
o-Xylene	ug/kg	<25.0	1590	1590	1590	1590	1590	100	100	70-130	0
Styrene	ug/kg	<25.0	1590	1590	1590	1530	1500	96	94	70-130	2
Tetrachloroethene	ug/kg	<25.0	1590	1590	1590	1370	1380	86	87	70-130	1
Toluene	ug/kg	<25.0	1590	1590	1590	1550	1540	98	97	70-130	1
trans-1,2-Dichloroethene	ug/kg	<25.0	1590	1590	1590	1750	1540	110	97	70-130	13
trans-1,3-Dichloropropene	ug/kg	<25.0	1590	1590	1590	1500	1500	94	94	70-130	0
Trichloroethene	ug/kg	<25.0	1590	1590	1590	1540	1600	97	101	70-130	3
Trichlorofluoromethane	ug/kg	<25.0	1590	1590	1590	1230	1140	78	72	40-150	8
Vinyl chloride	ug/kg	<25.0	1590	1590	1590	1030	1040	65	65	26-130	1
4-Bromofluorobenzene (S)	%							97	94	48-138	
Dibromofluoromethane (S)	%							106	103	53-165	
Toluene-d8 (S)	%							100	99	54-163	

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40132289

QC Batch: MSV/33589 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40132289005, 40132289006, 40132289007, 40132289008

METHOD BLANK: 1337994 Matrix: Solid
Associated Lab Samples: 40132289005, 40132289006, 40132289007, 40132289008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	05/20/16 08:02	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	05/20/16 08:02	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	05/20/16 08:02	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	05/20/16 08:02	
1,1-Dichloroethane	ug/kg	<17.6	50.0	05/20/16 08:02	
1,1-Dichloroethene	ug/kg	<17.6	50.0	05/20/16 08:02	
1,1-Dichloropropene	ug/kg	<14.0	50.0	05/20/16 08:02	
1,2,3-Trichlorobenzene	ug/kg	19.2J	50.0	05/20/16 08:02	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	05/20/16 08:02	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	05/20/16 08:02	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	05/20/16 08:02	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	05/20/16 08:02	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	05/20/16 08:02	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	05/20/16 08:02	
1,2-Dichloroethane	ug/kg	<15.0	50.0	05/20/16 08:02	
1,2-Dichloropropane	ug/kg	<16.8	50.0	05/20/16 08:02	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	05/20/16 08:02	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	05/20/16 08:02	
1,3-Dichloropropane	ug/kg	<12.0	50.0	05/20/16 08:02	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	05/20/16 08:02	
2,2-Dichloropropane	ug/kg	<12.6	50.0	05/20/16 08:02	
2-Chlorotoluene	ug/kg	<15.8	50.0	05/20/16 08:02	
4-Chlorotoluene	ug/kg	<13.0	50.0	05/20/16 08:02	
Benzene	ug/kg	<9.2	20.0	05/20/16 08:02	
Bromobenzene	ug/kg	<20.6	50.0	05/20/16 08:02	
Bromochloromethane	ug/kg	<21.4	50.0	05/20/16 08:02	
Bromodichloromethane	ug/kg	<9.8	50.0	05/20/16 08:02	
Bromoform	ug/kg	<19.8	50.0	05/20/16 08:02	
Bromomethane	ug/kg	<69.9	250	05/20/16 08:02	
Carbon tetrachloride	ug/kg	<12.1	50.0	05/20/16 08:02	
Chlorobenzene	ug/kg	<14.8	50.0	05/20/16 08:02	
Chloroethane	ug/kg	<67.0	250	05/20/16 08:02	
Chloroform	ug/kg	<46.4	250	05/20/16 08:02	
Chloromethane	ug/kg	<20.4	50.0	05/20/16 08:02	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	05/20/16 08:02	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	05/20/16 08:02	
Dibromochloromethane	ug/kg	<17.9	50.0	05/20/16 08:02	
Dibromomethane	ug/kg	<19.3	50.0	05/20/16 08:02	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	05/20/16 08:02	
Diisopropyl ether	ug/kg	<17.7	50.0	05/20/16 08:02	
Ethylbenzene	ug/kg	<12.4	50.0	05/20/16 08:02	

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40132289

METHOD BLANK: 1337994 Matrix: Solid
Associated Lab Samples: 40132289005, 40132289006, 40132289007, 40132289008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	05/20/16 08:02	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	05/20/16 08:02	
m&p-Xylene	ug/kg	<34.4	100	05/20/16 08:02	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	05/20/16 08:02	
Methylene Chloride	ug/kg	<16.2	50.0	05/20/16 08:02	
n-Butylbenzene	ug/kg	<10.5	50.0	05/20/16 08:02	
n-Propylbenzene	ug/kg	<11.6	50.0	05/20/16 08:02	
Naphthalene	ug/kg	<40.0	250	05/20/16 08:02	
o-Xylene	ug/kg	<14.0	50.0	05/20/16 08:02	
p-Isopropyltoluene	ug/kg	<12.0	50.0	05/20/16 08:02	
sec-Butylbenzene	ug/kg	<11.9	50.0	05/20/16 08:02	
Styrene	ug/kg	<9.0	50.0	05/20/16 08:02	
tert-Butylbenzene	ug/kg	<9.5	50.0	05/20/16 08:02	
Tetrachloroethene	ug/kg	<12.9	50.0	05/20/16 08:02	
Toluene	ug/kg	<11.2	50.0	05/20/16 08:02	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	05/20/16 08:02	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	05/20/16 08:02	
Trichloroethene	ug/kg	<23.6	50.0	05/20/16 08:02	
Trichlorofluoromethane	ug/kg	<24.7	50.0	05/20/16 08:02	
Vinyl chloride	ug/kg	<21.1	50.0	05/20/16 08:02	
4-Bromofluorobenzene (S)	%	93	48-138	05/20/16 08:02	
Dibromofluoromethane (S)	%	104	53-165	05/20/16 08:02	
Toluene-d8 (S)	%	105	54-163	05/20/16 08:02	

LABORATORY CONTROL SAMPLE: 1337995

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2490	100	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2580	103	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2600	104	70-130	
1,1-Dichloroethane	ug/kg	2500	2370	95	70-133	
1,1-Dichloroethene	ug/kg	2500	2160	86	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2170	87	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2190	87	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2540	102	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2440	97	70-130	
1,2-Dichloroethane	ug/kg	2500	2560	103	70-138	
1,2-Dichloropropane	ug/kg	2500	2740	109	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2330	93	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2300	92	70-130	
Benzene	ug/kg	2500	2640	106	70-130	
Bromodichloromethane	ug/kg	2500	2590	104	70-130	
Bromoform	ug/kg	2500	2090	84	68-130	
Bromomethane	ug/kg	2500	1880	75	25-163	

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QUALITY CONTROL DATA

Project: 256 STATE

Pace Project No.: 40132289

LABORATORY CONTROL SAMPLE: 1337995

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2230	89	70-130	
Chlorobenzene	ug/kg	2500	2550	102	70-130	
Chloroethane	ug/kg	2500	1940	77	34-151	
Chloroform	ug/kg	2500	2530	101	70-130	
Chloromethane	ug/kg	2500	1890	76	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2630	105	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2340	94	70-130	
Dibromochloromethane	ug/kg	2500	2260	90	70-130	
Dichlorodifluoromethane	ug/kg	2500	1160	46	27-150	
Ethylbenzene	ug/kg	2500	2640	106	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2690	108	70-130	
m&p-Xylene	ug/kg	5000	5360	107	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2570	103	70-130	
Methylene Chloride	ug/kg	2500	2410	96	70-131	
o-Xylene	ug/kg	2500	2690	108	70-130	
Styrene	ug/kg	2500	2500	100	70-130	
Tetrachloroethene	ug/kg	2500	2370	95	70-130	
Toluene	ug/kg	2500	2640	106	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2550	102	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2330	93	70-130	
Trichloroethene	ug/kg	2500	2560	103	70-130	
Trichlorofluoromethane	ug/kg	2500	2100	84	50-150	
Vinyl chloride	ug/kg	2500	2170	87	57-130	
4-Bromofluorobenzene (S)	%			100	48-138	
Dibromofluoromethane (S)	%			102	53-165	
Toluene-d8 (S)	%			105	54-163	

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

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40132289

QC Batch: OEXT/30466 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40132289001, 40132289002, 40132289003, 40132289004, 40132289005, 40132289006, 40132289007, 40132289008

METHOD BLANK: 1339661 Matrix: Solid
Associated Lab Samples: 40132289001, 40132289002, 40132289003, 40132289004, 40132289005, 40132289006, 40132289007, 40132289008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<8.3	16.7	05/23/16 14:05	
2-Methylnaphthalene	ug/kg	<8.3	16.7	05/23/16 14:05	
Acenaphthene	ug/kg	<8.3	16.7	05/23/16 14:05	
Acenaphthylene	ug/kg	<7.5	16.7	05/23/16 14:05	
Anthracene	ug/kg	<8.6	16.7	05/23/16 14:05	
Benzo(a)anthracene	ug/kg	<5.8	16.7	05/23/16 14:05	
Benzo(a)pyrene	ug/kg	<6.0	16.7	05/23/16 14:05	
Benzo(b)fluoranthene	ug/kg	<8.3	16.7	05/23/16 14:05	
Benzo(g,h,i)perylene	ug/kg	<6.3	16.7	05/23/16 14:05	
Benzo(k)fluoranthene	ug/kg	<9.2	16.7	05/23/16 14:05	
Chrysene	ug/kg	<7.7	16.7	05/23/16 14:05	
Dibenz(a,h)anthracene	ug/kg	<6.1	16.7	05/23/16 14:05	
Fluoranthene	ug/kg	<8.3	16.7	05/23/16 14:05	
Fluorene	ug/kg	<8.3	16.7	05/23/16 14:05	
Indeno(1,2,3-cd)pyrene	ug/kg	<6.3	16.7	05/23/16 14:05	
Naphthalene	ug/kg	<8.3	16.7	05/23/16 14:05	
Phenanthrene	ug/kg	<8.3	16.7	05/23/16 14:05	
Pyrene	ug/kg	<8.3	16.7	05/23/16 14:05	
2-Fluorobiphenyl (S)	%	60	26-130	05/23/16 14:05	
Terphenyl-d14 (S)	%	72	10-130	05/23/16 14:05	

LABORATORY CONTROL SAMPLE: 1339662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	260	78	48-130	
2-Methylnaphthalene	ug/kg	333	254	76	49-130	
Acenaphthene	ug/kg	333	205	61	54-130	
Acenaphthylene	ug/kg	333	209	63	56-130	
Anthracene	ug/kg	333	258	77	70-130	
Benzo(a)anthracene	ug/kg	333	228	68	58-130	
Benzo(a)pyrene	ug/kg	333	249	75	58-130	
Benzo(b)fluoranthene	ug/kg	333	249	75	50-130	
Benzo(g,h,i)perylene	ug/kg	333	268	80	39-130	
Benzo(k)fluoranthene	ug/kg	333	226	68	57-130	
Chrysene	ug/kg	333	264	79	64-130	
Dibenz(a,h)anthracene	ug/kg	333	258	77	44-130	
Fluoranthene	ug/kg	333	249	75	59-130	
Fluorene	ug/kg	333	209	63	56-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40132289

LABORATORY CONTROL SAMPLE: 1339662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/kg	333	250	75	45-130	
Naphthalene	ug/kg	333	227	68	46-130	
Phenanthrene	ug/kg	333	244	73	56-130	
Pyrene	ug/kg	333	230	69	59-130	
2-Fluorobiphenyl (S)	%			62	26-130	
Terphenyl-d14 (S)	%			78	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1339663 1339664

Parameter	Units	40132310001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<10.2	406	406	312	291	77	71	41-130	7	24	
2-Methylnaphthalene	ug/kg	<10.2	406	406	294	272	72	67	42-130	8	25	
Acenaphthene	ug/kg	<10.2	406	406	249	240	61	59	49-130	4	27	
Acenaphthylene	ug/kg	<9.1	406	406	249	238	61	59	52-130	4	26	
Anthracene	ug/kg	<10.5	406	406	300	304	74	75	61-130	1	29	
Benzo(a)anthracene	ug/kg	<7.0	406	406	265	266	65	65	45-130	0	28	
Benzo(a)pyrene	ug/kg	<7.3	406	406	287	285	70	70	39-130	1	34	
Benzo(b)fluoranthene	ug/kg	<10.2	406	406	275	258	67	63	30-130	7	43	
Benzo(g,h,i)perylene	ug/kg	<7.7	406	406	308	307	75	75	24-130	0	34	
Benzo(k)fluoranthene	ug/kg	<11.3	406	406	291	300	71	73	41-130	3	32	
Chrysene	ug/kg	<9.4	406	406	298	301	73	73	46-130	1	37	
Dibenz(a,h)anthracene	ug/kg	<7.5	406	406	299	298	73	73	33-130	0	34	
Fluoranthene	ug/kg	<10.2	406	406	294	291	72	71	41-130	1	25	
Fluorene	ug/kg	<10.2	406	406	257	249	63	61	49-130	3	30	
Indeno(1,2,3-cd)pyrene	ug/kg	<7.7	406	406	296	294	72	72	30-130	1	28	
Naphthalene	ug/kg	<10.2	406	406	266	240	65	59	39-130	10	26	
Phenanthrene	ug/kg	<10.2	406	406	289	287	71	70	47-130	1	26	
Pyrene	ug/kg	<10.2	406	406	265	258	65	63	37-130	3	30	
2-Fluorobiphenyl (S)	%						55	50	26-130			
Terphenyl-d14 (S)	%						68	67	10-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 256 STATE

Pace Project No.: 40132289

QC Batch: PMST/12773

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40132289001, 40132289002, 40132289003, 40132289004, 40132289005, 40132289006, 40132289007, 40132289008

SAMPLE DUPLICATE: 1339935

Parameter	Units	40132289001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.7	21.7	0	10	

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

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QUALIFIERS

Project: 256 STATE
Pace Project No.: 40132289

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 256 STATE
Pace Project No.: 40132289

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40132289001	B1-1	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289002	B1-2	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289003	B2-1	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289004	B2-2	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289005	B3-1	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289006	B3-2	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289007	B4-1	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289008	B4-2	EPA 3050	MPRP/13778	EPA 6010	ICP/12261
40132289001	B1-1	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289002	B1-2	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289003	B2-1	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289004	B2-2	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289005	B3-1	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289006	B3-2	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289007	B4-1	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289008	B4-2	EPA 3546	OEXT/30466	EPA 8270 by SIM	MSSV/9055
40132289001	B1-1	EPA 5035/5030B	MSV/33547	EPA 8260	MSV/33548
40132289002	B1-2	EPA 5035/5030B	MSV/33547	EPA 8260	MSV/33548
40132289003	B2-1	EPA 5035/5030B	MSV/33547	EPA 8260	MSV/33548
40132289004	B2-2	EPA 5035/5030B	MSV/33547	EPA 8260	MSV/33548
40132289005	B3-1	EPA 5035/5030B	MSV/33589	EPA 8260	MSV/33591
40132289006	B3-2	EPA 5035/5030B	MSV/33589	EPA 8260	MSV/33591
40132289007	B4-1	EPA 5035/5030B	MSV/33589	EPA 8260	MSV/33591
40132289008	B4-2	EPA 5035/5030B	MSV/33589	EPA 8260	MSV/33591
40132289001	B1-1	ASTM D2974-87	PMST/12773		
40132289002	B1-2	ASTM D2974-87	PMST/12773		
40132289003	B2-1	ASTM D2974-87	PMST/12773		
40132289004	B2-2	ASTM D2974-87	PMST/12773		
40132289005	B3-1	ASTM D2974-87	PMST/12773		
40132289006	B3-2	ASTM D2974-87	PMST/12773		
40132289007	B4-1	ASTM D2974-87	PMST/12773		
40132289008	B4-2	ASTM D2974-87	PMST/12773		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **LFgreen**
 Branch/Location: **MILW**
 Project Contact: **Linda Fellenz**
 Phone: **414 254-4813**
 Project Number: **256 State**
 Project Name: **256 State**
 Project State: **WI**
 Sampled By (Print): **Linda Fellenz**
 Sampled By (Sign): *[Signature]*
 PO #:

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	B1-1	5/2/06	9:50	S
002	B1-2		10:00	
003	B2-1		10:30	
004	B2-2		10:30	
005	B3-1		11:00	
006	B3-2		11:00	
007	B4-1		11:25	
008	B4-2		11:25	

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:
 Email #2:
 Telephone:
 Fax:

Samples on HOLD are subject to
 special pricing and release of liability

Relinquished By: *[Signature]* Date/Time: **5/13/06 12:15**
 Relinquished By: *[Signature]* Date/Time: **5/13/06 1420**
 Relinquished By: Date/Time:
 Relinquished By: Date/Time:
 Relinquished By: Date/Time:

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Page 1 of



CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested
Y	F	JOC
N		PAHs
N		Lead

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

PACE Project No.

40132289

Receipt Temp = **72.0** °CSample Receipt pH
OK / AdjustedCooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Project #:

WO#: 40132289

Client Name: LF GreenCourier: ☐ Fed Ex ☐ UPS ☒ Client ☐ Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ noCustody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ noPacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____Thermometer Used: NA Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☒ Samples on ice, cooling process has begunCooler Temperature: Uncorr: _____ /Corr: RU1 Biological Tissue is Frozen: ☐ yesTemp Blank Present: ☐ yes ☒ no ☐ no

Temp should be above freezing to 6°C for all sample except Biota.

Frozen Biota Samples should be received ≤ 0°C.

Comments:

Person examining contents:

Date: 5-13-16Initials: MV

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	5.
- VOA Samples frozen upon receipt	☐ Yes ☐ No	Date/Time:
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	7.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	8.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	9.
-Pace Containers Used:	☒ Yes ☐ No ☐ N/A	
-Pace IR Containers Used:	☐ Yes ☐ No ☒ N/A	
Containers Intact:	☒ Yes ☐ No ☐ N/A	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	12. <u>No date/time on 4oz Pⁿ.</u>
-Includes date/time/ID/Analysis Matrix: <u>S</u>		<u>5-13-16</u> <u>MV</u>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐ Yes ☐ No ☒ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO ₃ , H ₂ SO ₄ ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐ Yes ☐ No ☒ N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐ Yes ☐ No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A	14.
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	15.
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: 5/16/16



APPENDIX D

SOIL LABORATORY ANALYTICAL REPORTS

REMEDIAL ACTION EXCAVATION SAMPLES

December 13, 2016

Linda Fellenz
LF Green Development
5600 W Brown Deer Road
Milwaukee, WI 53223

RE: Project: 256 STATE
Pace Project No.: 40142971

Dear Linda Fellenz:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Steven Mleczko
steve.mleczko@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 256 STATE

Pace Project No.: 40142971

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 256 STATE

Pace Project No.: 40142971

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40142971001	EAST	Solid	11/23/16 12:00	12/05/16 14:10
40142971002	WEST	Solid	11/23/16 12:15	12/05/16 14:10
40142971003	NORTH	Solid	11/23/16 12:30	12/05/16 14:10
40142971004	SOUTH	Solid	11/23/16 12:45	12/05/16 14:10
40142971005	BOTTOM	Solid	11/23/16 13:00	12/05/16 14:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 256 STATE

Pace Project No.: 40142971

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40142971001	EAST	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40142971002	WEST	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40142971003	NORTH	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40142971004	SOUTH	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40142971005	BOTTOM	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: EAST **Lab ID: 40142971001** Collected: 11/23/16 12:00 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	12.8	mg/kg	1.5	0.50	1	12/08/16 15:15	12/09/16 14:30	7439-92-1	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/07/16 08:00	12/07/16 11:10	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/07/16 08:00	12/07/16 11:10	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/07/16 08:00	12/07/16 11:10	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/07/16 08:00	12/07/16 11:10	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	1634-04-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: EAST **Lab ID: 40142971001** Collected: 11/23/16 12:00 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Naphthalene	<40.0	ug/kg	250	40.0	1	12/07/16 08:00	12/07/16 11:10	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/07/16 08:00	12/07/16 11:10	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/07/16 08:00	12/07/16 11:10	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	53-165		1	12/07/16 08:00	12/07/16 11:10	1868-53-7	
Toluene-d8 (S)	108	%	54-163		1	12/07/16 08:00	12/07/16 11:10	2037-26-5	
4-Bromofluorobenzene (S)	81	%	48-138		1	12/07/16 08:00	12/07/16 11:10	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	23.0	%	0.10	0.10	1		12/06/16 11:03		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: WEST **Lab ID: 40142971002** Collected: 11/23/16 12:15 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	4.8	mg/kg	1.4	0.46	1	12/08/16 15:15	12/09/16 14:32	7439-92-1	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/07/16 08:00	12/07/16 11:33	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/07/16 08:00	12/07/16 11:33	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/07/16 08:00	12/07/16 11:33	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/07/16 08:00	12/07/16 11:33	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	1634-04-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: WEST **Lab ID: 40142971002** Collected: 11/23/16 12:15 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Naphthalene	<40.0	ug/kg	250	40.0	1	12/07/16 08:00	12/07/16 11:33	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/07/16 08:00	12/07/16 11:33	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/07/16 08:00	12/07/16 11:33	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	111	%	53-165		1	12/07/16 08:00	12/07/16 11:33	1868-53-7	
Toluene-d8 (S)	110	%	54-163		1	12/07/16 08:00	12/07/16 11:33	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-138		1	12/07/16 08:00	12/07/16 11:33	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	7.8	%	0.10	0.10	1		12/06/16 11:04		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: NORTH **Lab ID: 40142971003** Collected: 11/23/16 12:30 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	12.7	mg/kg	1.6	0.52	1	12/08/16 15:15	12/09/16 14:39	7439-92-1	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/07/16 08:00	12/07/16 11:55	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/07/16 08:00	12/07/16 11:55	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/07/16 08:00	12/07/16 11:55	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/07/16 08:00	12/07/16 11:55	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	1634-04-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: NORTH **Lab ID: 40142971003** Collected: 11/23/16 12:30 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Naphthalene	<40.0	ug/kg	250	40.0	1	12/07/16 08:00	12/07/16 11:55	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/07/16 08:00	12/07/16 11:55	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/07/16 08:00	12/07/16 11:55	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	119	%	53-165		1	12/07/16 08:00	12/07/16 11:55	1868-53-7	
Toluene-d8 (S)	112	%	54-163		1	12/07/16 08:00	12/07/16 11:55	2037-26-5	
4-Bromofluorobenzene (S)	91	%	48-138		1	12/07/16 08:00	12/07/16 11:55	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	21.2	%	0.10	0.10	1		12/06/16 11:04		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: SOUTH **Lab ID: 40142971004** Collected: 11/23/16 12:45 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	21.3	mg/kg	1.4	0.46	1	12/08/16 15:15	12/09/16 14:42	7439-92-1	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/07/16 08:00	12/07/16 12:18	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/07/16 08:00	12/07/16 12:18	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/07/16 08:00	12/07/16 12:18	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/07/16 08:00	12/07/16 12:18	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	1634-04-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: SOUTH **Lab ID: 40142971004** Collected: 11/23/16 12:45 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Naphthalene	<40.0	ug/kg	250	40.0	1	12/07/16 08:00	12/07/16 12:18	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/07/16 08:00	12/07/16 12:18	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/07/16 08:00	12/07/16 12:18	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	109	%	53-165		1	12/07/16 08:00	12/07/16 12:18	1868-53-7	
Toluene-d8 (S)	113	%	54-163		1	12/07/16 08:00	12/07/16 12:18	2037-26-5	
4-Bromofluorobenzene (S)	89	%	48-138		1	12/07/16 08:00	12/07/16 12:18	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	8.9	%	0.10	0.10	1		12/06/16 11:04		

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: BOTTOM **Lab ID: 40142971005** Collected: 11/23/16 13:00 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	17.7	mg/kg	3.2	1.1	2	12/08/16 15:15	12/13/16 10:52	7439-92-1	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/07/16 08:00	12/07/16 12:41	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/07/16 08:00	12/07/16 12:41	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/07/16 08:00	12/07/16 12:41	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/07/16 08:00	12/07/16 12:41	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	1634-04-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: BOTTOM **Lab ID: 40142971005** Collected: 11/23/16 13:00 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Naphthalene	<40.0	ug/kg	250	40.0	1	12/07/16 08:00	12/07/16 12:41	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/07/16 08:00	12/07/16 12:41	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/07/16 08:00	12/07/16 12:41	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	90	%	53-165		1	12/07/16 08:00	12/07/16 12:41	1868-53-7	
Toluene-d8 (S)	91	%	54-163		1	12/07/16 08:00	12/07/16 12:41	2037-26-5	
4-Bromofluorobenzene (S)	69	%	48-138		1	12/07/16 08:00	12/07/16 12:41	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	23.9	%	0.10	0.10	1		12/06/16 11:04		
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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40142971

QC Batch: 243668 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 40142971001, 40142971002, 40142971003, 40142971004, 40142971005

METHOD BLANK: 1443294 Matrix: Solid
Associated Lab Samples: 40142971001, 40142971002, 40142971003, 40142971004, 40142971005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.43	1.3	12/09/16 13:47	

LABORATORY CONTROL SAMPLE: 1443295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	48.9	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1443296 1443297

Parameter	Units	40142951001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	55.8	55.6	55.3	108	115	93	108	75-125	7	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40142971

QC Batch: 243520 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40142971001, 40142971002, 40142971003, 40142971004, 40142971005

METHOD BLANK: 1442256 Matrix: Solid
Associated Lab Samples: 40142971001, 40142971002, 40142971003, 40142971004, 40142971005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	12/07/16 08:50	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	12/07/16 08:50	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	12/07/16 08:50	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	12/07/16 08:50	
1,1-Dichloroethane	ug/kg	<17.6	50.0	12/07/16 08:50	
1,1-Dichloroethene	ug/kg	<17.6	50.0	12/07/16 08:50	
1,1-Dichloropropene	ug/kg	<14.0	50.0	12/07/16 08:50	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	12/07/16 08:50	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	12/07/16 08:50	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	12/07/16 08:50	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	12/07/16 08:50	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	12/07/16 08:50	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	12/07/16 08:50	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	12/07/16 08:50	
1,2-Dichloroethane	ug/kg	<15.0	50.0	12/07/16 08:50	
1,2-Dichloropropane	ug/kg	<16.8	50.0	12/07/16 08:50	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	12/07/16 08:50	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	12/07/16 08:50	
1,3-Dichloropropane	ug/kg	<12.0	50.0	12/07/16 08:50	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	12/07/16 08:50	
2,2-Dichloropropane	ug/kg	<12.6	50.0	12/07/16 08:50	
2-Chlorotoluene	ug/kg	<15.8	50.0	12/07/16 08:50	
4-Chlorotoluene	ug/kg	<13.0	50.0	12/07/16 08:50	
Benzene	ug/kg	<9.2	20.0	12/07/16 08:50	
Bromobenzene	ug/kg	<20.6	50.0	12/07/16 08:50	
Bromochloromethane	ug/kg	<21.4	50.0	12/07/16 08:50	
Bromodichloromethane	ug/kg	<9.8	50.0	12/07/16 08:50	
Bromoform	ug/kg	<19.8	50.0	12/07/16 08:50	
Bromomethane	ug/kg	<69.9	250	12/07/16 08:50	
Carbon tetrachloride	ug/kg	<12.1	50.0	12/07/16 08:50	
Chlorobenzene	ug/kg	<14.8	50.0	12/07/16 08:50	
Chloroethane	ug/kg	<67.0	250	12/07/16 08:50	
Chloroform	ug/kg	<46.4	250	12/07/16 08:50	
Chloromethane	ug/kg	<20.4	50.0	12/07/16 08:50	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	12/07/16 08:50	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	12/07/16 08:50	
Dibromochloromethane	ug/kg	<17.9	50.0	12/07/16 08:50	
Dibromomethane	ug/kg	<19.3	50.0	12/07/16 08:50	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	12/07/16 08:50	
Diisopropyl ether	ug/kg	<17.7	50.0	12/07/16 08:50	
Ethylbenzene	ug/kg	<12.4	50.0	12/07/16 08:50	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40142971

METHOD BLANK: 1442256

Matrix: Solid

Associated Lab Samples: 40142971001, 40142971002, 40142971003, 40142971004, 40142971005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	12/07/16 08:50	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	12/07/16 08:50	
m&p-Xylene	ug/kg	<34.4	100	12/07/16 08:50	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	12/07/16 08:50	
Methylene Chloride	ug/kg	<16.2	50.0	12/07/16 08:50	
n-Butylbenzene	ug/kg	<10.5	50.0	12/07/16 08:50	
n-Propylbenzene	ug/kg	<11.6	50.0	12/07/16 08:50	
Naphthalene	ug/kg	<40.0	250	12/07/16 08:50	
o-Xylene	ug/kg	<14.0	50.0	12/07/16 08:50	
p-Isopropyltoluene	ug/kg	<12.0	50.0	12/07/16 08:50	
sec-Butylbenzene	ug/kg	<11.9	50.0	12/07/16 08:50	
Styrene	ug/kg	<9.0	50.0	12/07/16 08:50	
tert-Butylbenzene	ug/kg	<9.5	50.0	12/07/16 08:50	
Tetrachloroethene	ug/kg	<12.9	50.0	12/07/16 08:50	
Toluene	ug/kg	<11.2	50.0	12/07/16 08:50	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	12/07/16 08:50	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	12/07/16 08:50	
Trichloroethene	ug/kg	<23.6	50.0	12/07/16 08:50	
Trichlorofluoromethane	ug/kg	<24.7	50.0	12/07/16 08:50	
Vinyl chloride	ug/kg	<21.1	50.0	12/07/16 08:50	
4-Bromofluorobenzene (S)	%	91	48-138	12/07/16 08:50	
Dibromofluoromethane (S)	%	108	53-165	12/07/16 08:50	
Toluene-d8 (S)	%	110	54-163	12/07/16 08:50	

LABORATORY CONTROL SAMPLE: 1442257

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2620	105	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2540	101	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2490	99	70-130	
1,1-Dichloroethane	ug/kg	2500	2590	104	70-133	
1,1-Dichloroethene	ug/kg	2500	2240	90	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2260	90	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2470	99	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2370	95	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2560	103	70-130	
1,2-Dichloroethane	ug/kg	2500	2700	108	70-138	
1,2-Dichloropropane	ug/kg	2500	2440	98	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2360	94	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2370	95	70-130	
Benzene	ug/kg	2500	2630	105	70-130	
Bromodichloromethane	ug/kg	2500	2750	110	70-130	
Bromoform	ug/kg	2500	2120	85	68-130	
Bromomethane	ug/kg	2500	1640	66	25-163	

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40142971

LABORATORY CONTROL SAMPLE: 1442257

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2640	106	70-130	
Chlorobenzene	ug/kg	2500	2460	98	70-130	
Chloroethane	ug/kg	2500	1610	65	34-151	
Chloroform	ug/kg	2500	2490	100	70-130	
Chloromethane	ug/kg	2500	2190	88	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2440	97	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2510	100	70-130	
Dibromochloromethane	ug/kg	2500	2350	94	70-130	
Dichlorodifluoromethane	ug/kg	2500	1820	73	27-150	
Ethylbenzene	ug/kg	2500	2510	101	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2400	96	70-130	
m&p-Xylene	ug/kg	5000	5240	105	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2500	100	70-130	
Methylene Chloride	ug/kg	2500	2510	100	70-131	
o-Xylene	ug/kg	2500	2410	96	70-130	
Styrene	ug/kg	2500	2470	99	70-130	
Tetrachloroethene	ug/kg	2500	2360	94	70-130	
Toluene	ug/kg	2500	2710	108	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2500	100	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2500	100	70-130	
Trichloroethene	ug/kg	2500	2530	101	70-130	
Trichlorofluoromethane	ug/kg	2500	1610	65	50-150	
Vinyl chloride	ug/kg	2500	2370	95	57-130	
4-Bromofluorobenzene (S)	%			98	48-138	
Dibromofluoromethane (S)	%			109	53-165	
Toluene-d8 (S)	%			106	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442258 1442259

Parameter	Units	40143052003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1410	1410	1320	1360	94	96	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1410	1410	1460	1590	103	112	70-130	8	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1410	1410	1390	1520	99	107	70-130	8	20	
1,1-Dichloroethane	ug/kg	<25.0	1410	1410	1370	595	97	42	64-133	79	20	M1, R1
1,1-Dichloroethene	ug/kg	<25.0	1410	1410	1120	379	79	27	56-130	99	24	M1, R1
1,2,4-Trichlorobenzene	ug/kg	<47.6	1410	1410	1530	1520	108	107	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1410	1410	1510	1620	107	115	50-150	7	20	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1410	1410	1340	1460	95	103	70-130	8	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1410	1410	1500	1430	106	101	70-130	5	20	
1,2-Dichloroethane	ug/kg	<25.0	1410	1410	1630	1540	115	109	70-138	5	20	
1,2-Dichloropropane	ug/kg	<25.0	1410	1410	1430	1450	101	103	70-130	2	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1410	1410	1450	1420	103	101	70-130	2	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1410	1410	1370	1500	97	106	70-130	9	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

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40142971

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			1442258	1442259									
Parameter	Units	40143052003	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Qual
		Result	Spike	Spike									
Benzene	ug/kg	<25.0	1410	1410	1490	1460	106	103	70-130	2	20		
Bromodichloromethane	ug/kg	<25.0	1410	1410	1530	1520	108	108	70-130	1	20		
Bromoform	ug/kg	<25.0	1410	1410	1290	1450	91	103	65-130	12	20		
Bromomethane	ug/kg	<69.9	1410	1410	1430	1130	101	80	11-163	24	21	R1	
Carbon tetrachloride	ug/kg	<25.0	1410	1410	1260	1340	89	95	70-130	6	20		
Chlorobenzene	ug/kg	<25.0	1410	1410	1360	1440	96	102	70-130	5	20		
Chloroethane	ug/kg	<67.0	1410	1410	1670	1080	119	77	17-151	43	20	R1	
Chloroform	ug/kg	<46.4	1410	1410	1380	1400	98	99	70-130	1	20		
Chloromethane	ug/kg	<25.0	1410	1410	1570	1430	111	101	13-130	10	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1410	1410	1380	600	98	43	70-130	79	20	M1, R1	
cis-1,3-Dichloropropene	ug/kg	<25.0	1410	1410	1350	1340	95	95	70-130	0	20		
Dibromochloromethane	ug/kg	<25.0	1410	1410	1370	1380	97	98	70-130	0	20		
Dichlorodifluoromethane	ug/kg	<25.0	1410	1410	1030	1170	73	83	10-150	12	21		
Ethylbenzene	ug/kg	<25.0	1410	1410	1290	1400	91	99	70-130	8	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1410	1410	1200	1290	85	92	70-130	7	20		
m&p-Xylene	ug/kg	<50.0	2820	2820	2750	2870	97	102	70-130	4	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1410	1410	1520	778	108	55	70-130	64	20	M1, R1	
Methylene Chloride	ug/kg	<25.0	1410	1410	1480	426	105	30	70-131	111	20	M1, R1	
o-Xylene	ug/kg	<25.0	1410	1410	1280	1390	91	99	70-130	8	20		
Styrene	ug/kg	<25.0	1410	1410	1320	1390	93	98	70-130	5	20		
Tetrachloroethene	ug/kg	125	1410	1410	1320	1580	85	103	70-130	18	20		
Toluene	ug/kg	<25.0	1410	1410	1410	1500	100	106	70-130	6	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1410	1410	1250	549	89	39	70-130	78	20	M1, R1	
trans-1,3-Dichloropropene	ug/kg	<25.0	1410	1410	1370	1400	97	99	70-130	2	20		
Trichloroethene	ug/kg	<25.0	1410	1410	1340	1380	95	98	70-130	3	20		
Trichlorofluoromethane	ug/kg	<25.0	1410	1410	1180	810	84	57	40-150	37	31	R1	
Vinyl chloride	ug/kg	<25.0	1410	1410	1360	1360	96	96	26-130	0	20		
4-Bromofluorobenzene (S)	%						100	108	48-138				
Dibromofluoromethane (S)	%						119	115	53-165				
Toluene-d8 (S)	%						111	114	54-163				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 256 STATE

Pace Project No.: 40142971

QC Batch: 243393 Analysis Method: ASTM D2974-87
 QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
 Associated Lab Samples: 40142971001, 40142971002, 40142971003, 40142971004, 40142971005

SAMPLE DUPLICATE: 1441446

Parameter	Units	40142932015 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.1	15.3	2	10	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 256 STATE
Pace Project No.: 40142971

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 256 STATE

Pace Project No.: 40142971

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40142971001	EAST	EPA 3050	243668	EPA 6010	243806
40142971002	WEST	EPA 3050	243668	EPA 6010	243806
40142971003	NORTH	EPA 3050	243668	EPA 6010	243806
40142971004	SOUTH	EPA 3050	243668	EPA 6010	243806
40142971005	BOTTOM	EPA 3050	243668	EPA 6010	243806
40142971001	EAST	EPA 5035/5030B	243520	EPA 8260	243521
40142971002	WEST	EPA 5035/5030B	243520	EPA 8260	243521
40142971003	NORTH	EPA 5035/5030B	243520	EPA 8260	243521
40142971004	SOUTH	EPA 5035/5030B	243520	EPA 8260	243521
40142971005	BOTTOM	EPA 5035/5030B	243520	EPA 8260	243521
40142971001	EAST	ASTM D2974-87	243393		
40142971002	WEST	ASTM D2974-87	243393		
40142971003	NORTH	ASTM D2974-87	243393		
40142971004	SOUTH	ASTM D2974-87	243393		
40142971005	BOTTOM	ASTM D2974-87	243393		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

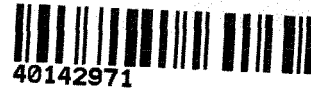


Project #: **WO# : 40142971**

Client Name: LF Green

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☒ Pace Other: _____

Tracking #: _____



Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used NA Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: _____ /Corr: 20 Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Person examining contents:

Date: 12/5/16

Initials: MS

Temp should be above freezing to 6°C for all sample except Biota.

Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	5.
- VOA Samples frozen upon receipt	☐ Yes ☐ No	Date/Time:
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	7.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	8.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	9.
-Pace Containers Used:	☒ Yes ☐ No ☐ N/A	
-Pace IR Containers Used:	☐ Yes ☐ No ☒ N/A	
Containers Intact:	☒ Yes ☐ No ☐ N/A	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐ Yes ☐ No ☒ N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO ₃ , H ₂ SO ₄ ≤ 2; NaOH+ZnAct ≥ 9, NaOH ≥ 12)	☐ Yes ☐ No ☒ N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐ Yes ☒ No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A	14.
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	15.
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: MS

Date: 12-5-16



APPENDIX D

SOIL LABORATORY ANALYTICAL REPORTS

REMEDIAL ACTION EXCAVATION SAMPLES

December 13, 2016

Linda Fellenz
LF Green Development
5600 W Brown Deer Road
Milwaukee, WI 53223

RE: Project: 256 STATE
Pace Project No.: 40142971

Dear Linda Fellenz:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Steven Mleczko
steve.mleczko@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 256 STATE

Pace Project No.: 40142971

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 256 STATE

Pace Project No.: 40142971

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40142971001	EAST	Solid	11/23/16 12:00	12/05/16 14:10
40142971002	WEST	Solid	11/23/16 12:15	12/05/16 14:10
40142971003	NORTH	Solid	11/23/16 12:30	12/05/16 14:10
40142971004	SOUTH	Solid	11/23/16 12:45	12/05/16 14:10
40142971005	BOTTOM	Solid	11/23/16 13:00	12/05/16 14:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 256 STATE

Pace Project No.: 40142971

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40142971001	EAST	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40142971002	WEST	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40142971003	NORTH	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40142971004	SOUTH	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40142971005	BOTTOM	EPA 6010	DLB	1	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	BTH	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: EAST **Lab ID: 40142971001** Collected: 11/23/16 12:00 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	12.8	mg/kg	1.5	0.50	1	12/08/16 15:15	12/09/16 14:30	7439-92-1	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/07/16 08:00	12/07/16 11:10	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/07/16 08:00	12/07/16 11:10	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/07/16 08:00	12/07/16 11:10	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/07/16 08:00	12/07/16 11:10	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	1634-04-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: EAST **Lab ID: 40142971001** Collected: 11/23/16 12:00 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Naphthalene	<40.0	ug/kg	250	40.0	1	12/07/16 08:00	12/07/16 11:10	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/07/16 08:00	12/07/16 11:10	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/07/16 08:00	12/07/16 11:10	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:10	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	53-165		1	12/07/16 08:00	12/07/16 11:10	1868-53-7	
Toluene-d8 (S)	108	%	54-163		1	12/07/16 08:00	12/07/16 11:10	2037-26-5	
4-Bromofluorobenzene (S)	81	%	48-138		1	12/07/16 08:00	12/07/16 11:10	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	23.0	%	0.10	0.10	1	12/06/16 11:03
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: WEST Lab ID: 40142971002 Collected: 11/23/16 12:15 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	4.8	mg/kg	1.4	0.46	1	12/08/16 15:15	12/09/16 14:32	7439-92-1	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/07/16 08:00	12/07/16 11:33	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/07/16 08:00	12/07/16 11:33	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/07/16 08:00	12/07/16 11:33	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/07/16 08:00	12/07/16 11:33	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	1634-04-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: WEST **Lab ID: 40142971002** Collected: 11/23/16 12:15 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Naphthalene	<40.0	ug/kg	250	40.0	1	12/07/16 08:00	12/07/16 11:33	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/07/16 08:00	12/07/16 11:33	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/07/16 08:00	12/07/16 11:33	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:33	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	111	%	53-165		1	12/07/16 08:00	12/07/16 11:33	1868-53-7	
Toluene-d8 (S)	110	%	54-163		1	12/07/16 08:00	12/07/16 11:33	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-138		1	12/07/16 08:00	12/07/16 11:33	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	7.8	%	0.10	0.10	1		12/06/16 11:04		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: NORTH Lab ID: 40142971003 Collected: 11/23/16 12:30 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	12.7	mg/kg	1.6	0.52	1	12/08/16 15:15	12/09/16 14:39	7439-92-1	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/07/16 08:00	12/07/16 11:55	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/07/16 08:00	12/07/16 11:55	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/07/16 08:00	12/07/16 11:55	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/07/16 08:00	12/07/16 11:55	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	1634-04-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: NORTH **Lab ID: 40142971003** Collected: 11/23/16 12:30 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Naphthalene	<40.0	ug/kg	250	40.0	1	12/07/16 08:00	12/07/16 11:55	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/07/16 08:00	12/07/16 11:55	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/07/16 08:00	12/07/16 11:55	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 11:55	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	119	%	53-165		1	12/07/16 08:00	12/07/16 11:55	1868-53-7	
Toluene-d8 (S)	112	%	54-163		1	12/07/16 08:00	12/07/16 11:55	2037-26-5	
4-Bromofluorobenzene (S)	91	%	48-138		1	12/07/16 08:00	12/07/16 11:55	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	21.2	%	0.10	0.10	1	12/06/16 11:04
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: SOUTH **Lab ID: 40142971004** Collected: 11/23/16 12:45 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	21.3	mg/kg	1.4	0.46	1	12/08/16 15:15	12/09/16 14:42	7439-92-1	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/07/16 08:00	12/07/16 12:18	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/07/16 08:00	12/07/16 12:18	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/07/16 08:00	12/07/16 12:18	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/07/16 08:00	12/07/16 12:18	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	1634-04-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: SOUTH **Lab ID: 40142971004** Collected: 11/23/16 12:45 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Naphthalene	<40.0	ug/kg	250	40.0	1	12/07/16 08:00	12/07/16 12:18	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/07/16 08:00	12/07/16 12:18	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/07/16 08:00	12/07/16 12:18	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:18	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	109	%	53-165		1	12/07/16 08:00	12/07/16 12:18	1868-53-7	
Toluene-d8 (S)	113	%	54-163		1	12/07/16 08:00	12/07/16 12:18	2037-26-5	
4-Bromofluorobenzene (S)	89	%	48-138		1	12/07/16 08:00	12/07/16 12:18	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	8.9	%	0.10	0.10	1		12/06/16 11:04		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: BOTTOM **Lab ID: 40142971005** Collected: 11/23/16 13:00 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	17.7	mg/kg	3.2	1.1	2	12/08/16 15:15	12/13/16 10:52	7439-92-1	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	12/07/16 08:00	12/07/16 12:41	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	12/07/16 08:00	12/07/16 12:41	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	12/07/16 08:00	12/07/16 12:41	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	12/07/16 08:00	12/07/16 12:41	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	1634-04-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 256 STATE
Pace Project No.: 40142971

Sample: BOTTOM **Lab ID: 40142971005** Collected: 11/23/16 13:00 Received: 12/05/16 14:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Naphthalene	<40.0	ug/kg	250	40.0	1	12/07/16 08:00	12/07/16 12:41	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	12/07/16 08:00	12/07/16 12:41	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	12/07/16 08:00	12/07/16 12:41	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	12/07/16 08:00	12/07/16 12:41	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	90	%	53-165		1	12/07/16 08:00	12/07/16 12:41	1868-53-7	
Toluene-d8 (S)	91	%	54-163		1	12/07/16 08:00	12/07/16 12:41	2037-26-5	
4-Bromofluorobenzene (S)	69	%	48-138		1	12/07/16 08:00	12/07/16 12:41	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	23.9	%	0.10	0.10	1		12/06/16 11:04		
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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40142971

QC Batch: 243668 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 40142971001, 40142971002, 40142971003, 40142971004, 40142971005

METHOD BLANK: 1443294 Matrix: Solid
Associated Lab Samples: 40142971001, 40142971002, 40142971003, 40142971004, 40142971005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.43	1.3	12/09/16 13:47	

LABORATORY CONTROL SAMPLE: 1443295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	48.9	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1443296 1443297

Parameter	Units	40142951001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	55.8	55.6	55.3	108	115	93	108	75-125	7	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40142971

QC Batch: 243520 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40142971001, 40142971002, 40142971003, 40142971004, 40142971005

METHOD BLANK: 1442256 Matrix: Solid
Associated Lab Samples: 40142971001, 40142971002, 40142971003, 40142971004, 40142971005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	12/07/16 08:50	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	12/07/16 08:50	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	12/07/16 08:50	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	12/07/16 08:50	
1,1-Dichloroethane	ug/kg	<17.6	50.0	12/07/16 08:50	
1,1-Dichloroethene	ug/kg	<17.6	50.0	12/07/16 08:50	
1,1-Dichloropropene	ug/kg	<14.0	50.0	12/07/16 08:50	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	12/07/16 08:50	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	12/07/16 08:50	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	12/07/16 08:50	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	12/07/16 08:50	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	12/07/16 08:50	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	12/07/16 08:50	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	12/07/16 08:50	
1,2-Dichloroethane	ug/kg	<15.0	50.0	12/07/16 08:50	
1,2-Dichloropropane	ug/kg	<16.8	50.0	12/07/16 08:50	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	12/07/16 08:50	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	12/07/16 08:50	
1,3-Dichloropropane	ug/kg	<12.0	50.0	12/07/16 08:50	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	12/07/16 08:50	
2,2-Dichloropropane	ug/kg	<12.6	50.0	12/07/16 08:50	
2-Chlorotoluene	ug/kg	<15.8	50.0	12/07/16 08:50	
4-Chlorotoluene	ug/kg	<13.0	50.0	12/07/16 08:50	
Benzene	ug/kg	<9.2	20.0	12/07/16 08:50	
Bromobenzene	ug/kg	<20.6	50.0	12/07/16 08:50	
Bromochloromethane	ug/kg	<21.4	50.0	12/07/16 08:50	
Bromodichloromethane	ug/kg	<9.8	50.0	12/07/16 08:50	
Bromoform	ug/kg	<19.8	50.0	12/07/16 08:50	
Bromomethane	ug/kg	<69.9	250	12/07/16 08:50	
Carbon tetrachloride	ug/kg	<12.1	50.0	12/07/16 08:50	
Chlorobenzene	ug/kg	<14.8	50.0	12/07/16 08:50	
Chloroethane	ug/kg	<67.0	250	12/07/16 08:50	
Chloroform	ug/kg	<46.4	250	12/07/16 08:50	
Chloromethane	ug/kg	<20.4	50.0	12/07/16 08:50	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	12/07/16 08:50	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	12/07/16 08:50	
Dibromochloromethane	ug/kg	<17.9	50.0	12/07/16 08:50	
Dibromomethane	ug/kg	<19.3	50.0	12/07/16 08:50	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	12/07/16 08:50	
Diisopropyl ether	ug/kg	<17.7	50.0	12/07/16 08:50	
Ethylbenzene	ug/kg	<12.4	50.0	12/07/16 08:50	

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40142971

METHOD BLANK: 1442256

Matrix: Solid

Associated Lab Samples: 40142971001, 40142971002, 40142971003, 40142971004, 40142971005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	12/07/16 08:50	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	12/07/16 08:50	
m&p-Xylene	ug/kg	<34.4	100	12/07/16 08:50	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	12/07/16 08:50	
Methylene Chloride	ug/kg	<16.2	50.0	12/07/16 08:50	
n-Butylbenzene	ug/kg	<10.5	50.0	12/07/16 08:50	
n-Propylbenzene	ug/kg	<11.6	50.0	12/07/16 08:50	
Naphthalene	ug/kg	<40.0	250	12/07/16 08:50	
o-Xylene	ug/kg	<14.0	50.0	12/07/16 08:50	
p-Isopropyltoluene	ug/kg	<12.0	50.0	12/07/16 08:50	
sec-Butylbenzene	ug/kg	<11.9	50.0	12/07/16 08:50	
Styrene	ug/kg	<9.0	50.0	12/07/16 08:50	
tert-Butylbenzene	ug/kg	<9.5	50.0	12/07/16 08:50	
Tetrachloroethene	ug/kg	<12.9	50.0	12/07/16 08:50	
Toluene	ug/kg	<11.2	50.0	12/07/16 08:50	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	12/07/16 08:50	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	12/07/16 08:50	
Trichloroethene	ug/kg	<23.6	50.0	12/07/16 08:50	
Trichlorofluoromethane	ug/kg	<24.7	50.0	12/07/16 08:50	
Vinyl chloride	ug/kg	<21.1	50.0	12/07/16 08:50	
4-Bromofluorobenzene (S)	%	91	48-138	12/07/16 08:50	
Dibromofluoromethane (S)	%	108	53-165	12/07/16 08:50	
Toluene-d8 (S)	%	110	54-163	12/07/16 08:50	

LABORATORY CONTROL SAMPLE: 1442257

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2620	105	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2540	101	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2490	99	70-130	
1,1-Dichloroethane	ug/kg	2500	2590	104	70-133	
1,1-Dichloroethene	ug/kg	2500	2240	90	70-130	
1,2,4-Trichlorobenzene	ug/kg	2500	2260	90	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2470	99	50-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2370	95	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2560	103	70-130	
1,2-Dichloroethane	ug/kg	2500	2700	108	70-138	
1,2-Dichloropropane	ug/kg	2500	2440	98	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2360	94	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2370	95	70-130	
Benzene	ug/kg	2500	2630	105	70-130	
Bromodichloromethane	ug/kg	2500	2750	110	70-130	
Bromoform	ug/kg	2500	2120	85	68-130	
Bromomethane	ug/kg	2500	1640	66	25-163	

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40142971

LABORATORY CONTROL SAMPLE: 1442257

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2640	106	70-130	
Chlorobenzene	ug/kg	2500	2460	98	70-130	
Chloroethane	ug/kg	2500	1610	65	34-151	
Chloroform	ug/kg	2500	2490	100	70-130	
Chloromethane	ug/kg	2500	2190	88	52-130	
cis-1,2-Dichloroethene	ug/kg	2500	2440	97	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2510	100	70-130	
Dibromochloromethane	ug/kg	2500	2350	94	70-130	
Dichlorodifluoromethane	ug/kg	2500	1820	73	27-150	
Ethylbenzene	ug/kg	2500	2510	101	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2400	96	70-130	
m&p-Xylene	ug/kg	5000	5240	105	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2500	100	70-130	
Methylene Chloride	ug/kg	2500	2510	100	70-131	
o-Xylene	ug/kg	2500	2410	96	70-130	
Styrene	ug/kg	2500	2470	99	70-130	
Tetrachloroethene	ug/kg	2500	2360	94	70-130	
Toluene	ug/kg	2500	2710	108	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2500	100	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2500	100	70-130	
Trichloroethene	ug/kg	2500	2530	101	70-130	
Trichlorofluoromethane	ug/kg	2500	1610	65	50-150	
Vinyl chloride	ug/kg	2500	2370	95	57-130	
4-Bromofluorobenzene (S)	%			98	48-138	
Dibromofluoromethane (S)	%			109	53-165	
Toluene-d8 (S)	%			106	54-163	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442258 1442259

Parameter	Units	40143052003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1410	1410	1320	1360	94	96	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1410	1410	1460	1590	103	112	70-130	8	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1410	1410	1390	1520	99	107	70-130	8	20	
1,1-Dichloroethane	ug/kg	<25.0	1410	1410	1370	595	97	42	64-133	79	20	M1, R1
1,1-Dichloroethene	ug/kg	<25.0	1410	1410	1120	379	79	27	56-130	99	24	M1, R1
1,2,4-Trichlorobenzene	ug/kg	<47.6	1410	1410	1530	1520	108	107	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1410	1410	1510	1620	107	115	50-150	7	20	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1410	1410	1340	1460	95	103	70-130	8	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1410	1410	1500	1430	106	101	70-130	5	20	
1,2-Dichloroethane	ug/kg	<25.0	1410	1410	1630	1540	115	109	70-138	5	20	
1,2-Dichloropropane	ug/kg	<25.0	1410	1410	1430	1450	101	103	70-130	2	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1410	1410	1450	1420	103	101	70-130	2	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1410	1410	1370	1500	97	106	70-130	9	20	

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QUALITY CONTROL DATA

Project: 256 STATE
Pace Project No.: 40142971

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1442258 1442259											
Parameter	Units	40143052003		MS		MSD		MS		MSD	
		Result	Conc.	Spike	Conc.	Result	Conc.	% Rec	% Rec	Limits	Max
										RPD	RPD
Benzene	ug/kg	<25.0	1410	1410	1410	1490	1460	106	103	70-130	2
Bromodichloromethane	ug/kg	<25.0	1410	1410	1410	1530	1520	108	108	70-130	1
Bromoform	ug/kg	<25.0	1410	1410	1410	1290	1450	91	103	65-130	12
Bromomethane	ug/kg	<69.9	1410	1410	1410	1430	1130	101	80	11-163	24
Carbon tetrachloride	ug/kg	<25.0	1410	1410	1410	1260	1340	89	95	70-130	6
Chlorobenzene	ug/kg	<25.0	1410	1410	1410	1360	1440	96	102	70-130	5
Chloroethane	ug/kg	<67.0	1410	1410	1410	1670	1080	119	77	17-151	43
Chloroform	ug/kg	<46.4	1410	1410	1410	1380	1400	98	99	70-130	1
Chloromethane	ug/kg	<25.0	1410	1410	1410	1570	1430	111	101	13-130	10
cis-1,2-Dichloroethene	ug/kg	<25.0	1410	1410	1410	1380	600	98	43	70-130	79
cis-1,3-Dichloropropene	ug/kg	<25.0	1410	1410	1410	1350	1340	95	95	70-130	0
Dibromochloromethane	ug/kg	<25.0	1410	1410	1410	1370	1380	97	98	70-130	0
Dichlorodifluoromethane	ug/kg	<25.0	1410	1410	1410	1030	1170	73	83	10-150	12
Ethylbenzene	ug/kg	<25.0	1410	1410	1410	1290	1400	91	99	70-130	8
Isopropylbenzene (Cumene)	ug/kg	<25.0	1410	1410	1410	1200	1290	85	92	70-130	7
m&p-Xylene	ug/kg	<50.0	2820	2820	2750	2870		97	102	70-130	4
Methyl-tert-butyl ether	ug/kg	<25.0	1410	1410	1520	778		108	55	70-130	64
Methylene Chloride	ug/kg	<25.0	1410	1410	1480	426		105	30	70-131	111
o-Xylene	ug/kg	<25.0	1410	1410	1280	1390		91	99	70-130	8
Styrene	ug/kg	<25.0	1410	1410	1320	1390		93	98	70-130	5
Tetrachloroethene	ug/kg	125	1410	1410	1320	1580		85	103	70-130	18
Toluene	ug/kg	<25.0	1410	1410	1410	1500		100	106	70-130	6
trans-1,2-Dichloroethene	ug/kg	<25.0	1410	1410	1250	549		89	39	70-130	78
trans-1,3-Dichloropropene	ug/kg	<25.0	1410	1410	1370	1400		97	99	70-130	2
Trichloroethene	ug/kg	<25.0	1410	1410	1340	1380		95	98	70-130	3
Trichlorofluoromethane	ug/kg	<25.0	1410	1410	1180	810		84	57	40-150	37
Vinyl chloride	ug/kg	<25.0	1410	1410	1360	1360		96	96	26-130	0
4-Bromofluorobenzene (S)	%							100	108	48-138	
Dibromofluoromethane (S)	%							119	115	53-165	
Toluene-d8 (S)	%							111	114	54-163	

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QUALITY CONTROL DATA

Project: 256 STATE

Pace Project No.: 40142971

QC Batch: 243393

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40142971001, 40142971002, 40142971003, 40142971004, 40142971005

SAMPLE DUPLICATE: 1441446

Parameter	Units	40142932015 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.1	15.3	2	10	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 256 STATE

Pace Project No.: 40142971

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40142971001	EAST	EPA 3050	243668	EPA 6010	243806
40142971002	WEST	EPA 3050	243668	EPA 6010	243806
40142971003	NORTH	EPA 3050	243668	EPA 6010	243806
40142971004	SOUTH	EPA 3050	243668	EPA 6010	243806
40142971005	BOTTOM	EPA 3050	243668	EPA 6010	243806
40142971001	EAST	EPA 5035/5030B	243520	EPA 8260	243521
40142971002	WEST	EPA 5035/5030B	243520	EPA 8260	243521
40142971003	NORTH	EPA 5035/5030B	243520	EPA 8260	243521
40142971004	SOUTH	EPA 5035/5030B	243520	EPA 8260	243521
40142971005	BOTTOM	EPA 5035/5030B	243520	EPA 8260	243521
40142971001	EAST	ASTM D2974-87	243393		
40142971002	WEST	ASTM D2974-87	243393		
40142971003	NORTH	ASTM D2974-87	243393		
40142971004	SOUTH	ASTM D2974-87	243393		
40142971005	BOTTOM	ASTM D2974-87	243393		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)	
Company Name:	LF GREEN DEVEL
Branch/Location:	MILW WI
Project Contact:	LINDA Fellenz
Phone:	414 254 4813
Project Number:	
Project Name:	256 STATE
Project State:	WI
Sampled By (Print):	LINDA Fellenz
Sampled By (Sign):	<i>Linda Fellenz</i>
PO #:	Regulatory Program:



CHAIN OF CUSTODY

***Preservation Codes**

A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

**FILTERED?
(YES/NO)**

**PRESERVATION
(CODE)***

[illegible][illegible]

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:		Relinquished By: <u>[Signature]</u> Date/Time: <u>12/4/16 8:00</u> Relinquished By: <u>[Signature]</u> Date/Time: <u>12/5/16 14:10</u> Relinquished By: _____ Date/Time: _____ Relinquished By: _____ Date/Time: _____ Relinquished By: _____ Date/Time: _____		Received By: <u>[Signature]</u> Date/Time: <u>12-5-17 1257</u> Received By: <u>[Signature]</u> Date/Time: <u>12/5/16 1410</u> Received By: _____ Date/Time: _____ Received By: _____ Date/Time: _____ Received By: _____ Date/Time: _____		PACE Project No. <u>40142971</u> Receipt Temp = <u>20.1</u> °C Sample Receipt pH OK / Adjusted Cooler Custody Seal Present / <u>Not Present</u> Intact / <u>Not Intact</u>	
Transmit Prelim Rush Results by (complete what you want): Email #1: _____ Email #2: _____ Telephone: _____ Fax: _____ Samples on HOLD are subject to special pricing and release of liability							

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

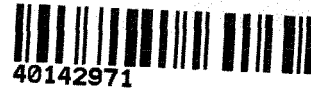


Project #: **WO# : 40142971**

Client Name: LF Green

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☒ Pace Other: _____

Tracking #: _____



Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used NA Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: _____ /Corr: 20 Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Person examining contents:

Date: 12/5/16

Initials: MS

Temp should be above freezing to 6°C for all sample except Biota.

Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	5.
- VOA Samples frozen upon receipt	☐ Yes ☐ No	Date/Time:
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	7.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	8.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	9.
-Pace Containers Used:	☒ Yes ☐ No ☐ N/A	
-Pace IR Containers Used:	☐ Yes ☐ No ☒ N/A	
Containers Intact:	☒ Yes ☐ No ☐ N/A	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐ Yes ☐ No ☒ N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO ₃ , H ₂ SO ₄ ≤ 2; NaOH+ZnAct ≥ 9, NaOH ≥ 12)	☐ Yes ☐ No ☒ N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐ Yes ☒ No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	☐ Yes ☐ No ☒ N/A	14.
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	15.
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: MS

Date: 12-5-16

QUALIFIERS

Project: 256 STATE
Pace Project No.: 40142971

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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



APPENDIX E

LANDFILL DISPOSAL DOCUMENTATION FOR SOIL EXCAVATION

Customer Summary Report

Criteria: 11/01/2016 12:00 AM to 01/20/2018 11:59 PM

Business Unit Name: Pheasant Run RDF - S03958 (USA)

Profile: BIO126249WI

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