

Notice: Pursuant to ss. 292.13 and 292.55, Wis. Stats., this application must be completed to request a written determination from the Department of Natural Resources (DNR) for the off-site liability exemption or for the liability clarification regarding property affected by an off-site discharge. The Department will not consider, or act upon your application unless all sections are completed on this form and the required fee of \$700, required under ch. NR 749, Wis. Adm. Code is included. Personal information collected will be used for administrative purposes and may be provided to requester's to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.]

Definitions:

"Off-Site Exemption" refers to a statutory limit on liability available to a person with respect to the existence of a hazardous substance in the groundwater or soil, including sediments, on Property possessed or controlled by the person, as provided in s. 292.13, Wis. Stats. The off-site exemption is available only to persons who possess or control the affected property, who meet the requirements and criteria in the statutes. DNR provides a written determination regarding liability upon submittal of this application and the required fee.

"General Liability Clarification" refers to a written determination by the Department, as provided in s. 292.55, Wis. Stats., that clarifies the environmental liability of a person, business or another party for a specific situation. General liability clarifications can be provided in situations when the party requesting the clarification does not meet one of the requirements for the off-site exemption at the time of the application submittal, for example, does not yet own the off-site property. This application form should be used to request a written liability clarification for **property affected by an off-site discharge**.

"Property" refers to the subject property that has been impacted by hazardous substances that migrated there from a different property containing the original contamination source. The subject property is often referred to as an "off-site" or "off-source" property.

"Possession or control" refers to holding title to the property or exercising possession or control over the property by some other means, such as a lease.

[NOTE: a person with an easement doesn't have possession or control over the property; the property owner just allows the person to use part of the property for a limited purpose].

Instructions:

- Use this application to request a written determination from the Department for the off-site liability exemption or for the liability clarification regarding **property affected by an off-site discharge**. See DNR's Fact Sheet: "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners Off-Site Limited Liability Exemption" (RR-589) for general information on eligibility requirements, liability clarification letters related to the off-site liability exemption, and property owner responsibilities. Information and these publications are available by contacting a DNR office or on the Internet at: <http://dnr.wi.gov/topic/Brownfields>.
- Complete the application and include the information that adequately shows that the required criteria are met. See Section 7 on page 4.
- Include a \$700 fee payment with this application, in accordance with ch. NR 749, Wis. Adm. Code.
- Send the completed application, fee, and supporting materials to the DNR regional office where the Property is located, as listed on page 6. Contact the person listed with any questions.
- Department staff will make every attempt to provide timely written determinations. However, the time required for the determination varies depending on the complexity of the site, and the clarity and completeness of the application and supporting documentation.
Do not use this application form to request liability clarifications for properties without off-site contamination. Contact one of the DNR regional offices or see the DNR website on the Internet for more information.

1. Applicant information for person requesting the determination.

Applicant Last Name		First	MI
		The Ideal, LLC	
Address		City	State ZIP Code
101 East Main Street, Suite 500		Mt. Horeb	WI 53572
Phone Number (include area code)	Fax Number (include area code)	E-Mail Address	
(608) 437-8300		jgallina@gallinacos.com	
Contact for questions (if different than applicant) Last Name		First	MI
Gallina		Joseph	
Address		City	State ZIP Code
101 East Main Street, Suite 500		Mt. Horeb	WI 53572
Phone Number (include area code)	Fax Number (include area code)	E-Mail Address	
(608) 437-8300		jgallina@gallinacos.com	

Off-Site Liability Exemption and Liability Clarification Application

Form 4400-201 (R 11/14)

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2. Applicant eligibility for off-site exemption or off-site liability clarification.

Request one determination based on whether the requirements for the off-site exemption are currently met. See page 5 and sign the appropriate certification.

Off-Site Discharge Exemption – I "possess or control" the Property and I believe I meet the criteria for an off-site exemption. I request an off-site exemption letter.

I have completed Section 8a on page 5.

As the applicant, I am:

Current owner

Other* Explain your relationship to the Property or the nature of your possession or control of the Property:

*Additional documentation may be requested by the DNR to verify the applicant's possession or control of the Property. For example, if a lessee requests a determination, DNR would need a copy of the lease by which to assess whether the lessee possesses or controls the Property.

Off-site Liability Clarification – I lack one or more of the requirements for the off-site exemption as shown below. I request a liability clarification letter that explains which conditions must be met in order to qualify for the off-site liability exemption.

I have completed Section 8b on page 5.

Requirements for the off-site exemption that are missing:

1. Currently I do not possess or control the Property and

I plan to buy the Property on _____ (Date) or

I plan to lease the Property on _____ (Date) .

2. Currently no contamination has been detected on the Property but there is credible evidence that contamination has migrated onto the Property.

3. Multiple contiguous properties are believed to be affected by contamination from a known source.

4. Other: Explain the circumstances here or in an attachment.

3. Information on additional parties.

Check the appropriate box to have a copy of the determination letter sent to one or more of these parties:

<input checked="" type="radio"/> Environmental Consultant	First		MI
Chiu	Scott		M
Address	City	State	ZIP Code
2800 Dallas Parkway, Suite 140	Plano	TX	75093
Phone Number (include area code)	Fax Number (include area code)	E-Mail Address	
(214) 425-9508	(214) 380-4962	SChiu@partneresi.com	
<input type="radio"/> Attorney / Other Last Name	First		MI
Address	City	State	ZIP Code
Phone Number (include area code)	Fax Number (include area code)	E-Mail Address	

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4. Information on Property affected by off-site discharge.

Property / Facility Name The Ideal					County Dane		
Address 901 Drake Street			City Madison		State WI	ZIP Code 53715	
Public Land Survey Coordinates			Latitude 43 3 42.5000		Longitude -89 24 05.3000		
Section	Range	Township N	Datum (check only one): <input type="radio"/> NAD27 <input type="radio"/> NAD83 <input type="radio"/> 1990 Adjustment			Method	Accuracy

(Attach a list of locations if this request is for multiple properties.)

I request that DNR provide a copy of the Liability Clarification Letter to the current owner.

Current Owner (if different than applicant) Last Name				First		MI	
Address			City		State WI	ZIP Code	
Phone Number (include area code)		Fax Number (include area code)		E-Mail Address			

5. Information about contamination on the impacted Property.

A. Have hazardous substances been detected on the Property or Properties?

No. If not, explain why contamination is suspected on the Property or Properties in an attachment or here:

Yes. Check all that apply: Groundwater Soil Sediment Other, describe: _____

B. Has the presence of contamination been reported to any State or local governmental agency?

No.

If yes, check all that apply: DNR Division of Emergency Government Commerce Department of Agriculture, Trade and Consumer Protection (DATCP) Other, describe: _____

Date Reported _____

C. Is the source of the contamination known? Check only one.

No.

Yes. If yes, what is the source of the contamination?

501 South Park Street - BRRTS #02-13-551461

Provide the name and address of the owner of the contamination source or source property, if known.

Owner Name					
Address			City	State WI	ZIP Code

Suspected. If suspected to be migrating from a nearby source, what is the source and its address?

Provide the name of the owner of the suspected contamination source or source property, if known.

Owner Name					
Address			City	State	ZIP Code

6. Specific liability clarification questions relating to off-site contamination.

- I have no additional liability clarification questions.
- I request a DNR response to the questions provided to clarify my liability for the cleanup of off-site contamination to be included in the written determination (questions should be provided here or in an attachment) :

7. Property information needed for the determination of off-site exemption or off-site liability clarification.

DNR requires adequate information in order to make the determination requested in this application. Incomplete or inadequate information will delay the completion of the determination. DNR has the authority to request additional information, if needed. Include the following information with the application, if appropriate:

1. Map(s) showing Property location(s) and any suspected or known off-site contaminant source properties.
2. For any environmental data submitted, include:
 - a) Property map(s) showing sampling locations for all data submitted;
 - b) Interpretation of data signed by a qualified environmental professional, including data tables and figures that include data;
 - c) Soil boring logs;
 - d) Groundwater monitoring well construction, development and sampling logs;
 - e) Laboratory-provided data reports;
 - f) Survey information for groundwater elevations;
 - g) Chain of custody forms for all samples; and
 - h) Description of sample collection methods.

The submitted materials should document that the statutory criteria are satisfied regarding the contamination and its source as listed in A through C below.

- A. Document that there is hazardous substance contamination present in soil, groundwater and/or sediment on the Property or Properties. Examples of information include: Analytical results and interpretations for samples collected from soil, groundwater, and/or sediment on the Property, or at or near the Property line, that conclusively document the presence of a hazardous substance in one or more of these media on the Property. This information could be documented in a Phase II Environmental Assessment report, or could refer to existing reports in DNR files related to the source property.
- B. Document that the hazardous substance contamination, which is present in soil, groundwater, and/or sediment on the Property or Properties, is migrating onto the Property or Properties from an off-site source. Examples of information include:
1. Information identifying known or suspected discharges of the hazardous substance on neighboring property(ies), e.g., a Phase I Environmental Assessment report, information in existing reports in DNR files related to the source property.
 2. Soil, groundwater and/or sediment sample data and interpretations adequate to conclude that the hazardous substance is migrating onto the Property or Properties, such as:
 - Samples from monitoring wells located on the upgradient side of the Property or Properties (include information to establish upgradient direction), which show increasing contaminant concentrations toward the upgradient Property or Properties;
 - Off-site investigation results that provide information about groundwater flow direction and contaminant movement that convincingly document hazardous substances from a known or suspected off-site source have impacted the Property or Properties; or
 - A description of the event(s) that caused the deposit or accumulation of contaminated sediment on the affected Property or Properties and a map showing the location of the water body and elevations of the affected Property or Properties and water surface at normal flow and flood stage conditions.
- C. Document that the discharge of a hazardous substance is not from a source on the Property or Properties. Examples of information include:
1. Information related to historical activities, such as descriptions of chemicals used and handled, areas where chemicals were used and handled, and areas of potential discharges on the Property or Properties, e.g., a Phase I Environmental Assessment report.
 2. Where the types of hazardous substances used, handled, or discharged on the Property or Properties are the same as the hazardous substances migrating onto the Property or Properties, provide environmental information, e.g., expanded Phase II environmental assessment data, including type and volume of hazardous substances handled, generated or stored on the applicant's Property during the period of ownership and/or length of lease, and analytical results and interpretation for soil and groundwater samples collected from potential discharge areas to demonstrate that the contamination migrating onto the Property is separate and distinct from the contamination that may be on the Property.

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8. Sign one of the certifications below based on whether the requirements of the off-site exemption are currently met.

8a. Certification if the applicant currently meets all the requirements for the off-site liability exemption.

Applicant Certification for a Determination for the Off-Site Discharge Exemption, as provided in s. 292.13, Wis. Stats.

I certify that I possess or control the Property and have read and am familiar with the information on this application. The information on and included with this application is true, accurate and complete to the best of my knowledge.

I understand that I retain the responsibility for any hazardous substance discharges that I caused or cause, and for any discharges whose source I possess or control on the Property or on other properties.

I believe that I meet the criteria in s. 292.13, Wis. Stats., with respect to the fact that I never controlled or possessed either the source property itself, or the hazardous substances that have migrated onto the Property from the source property, nor did I cause the hazardous substance discharge for which I am seeking this written exemption.

I understand that if I fail to satisfy the statutory requirements in s. 292.13, Wis. Stats., such as failing to provide access to the Property, the DNR has the authority to revoke the off-site exemption for the Property.

Applicant Last Name	First	MI
	The Ideal, LLC	
Signature	Date Signed	

8b. Certification if applicant has not currently met all the conditions for the off-site exemption.


Applicant Certification for a Determination for Liability Clarification, as provided in s. 292.55, Wis. Stats.

I certify that I have read and am familiar with the information on this application and that the information on and included with this application is true, accurate and complete to the best of my knowledge.

I understand that I retain the responsibility for any hazardous substance discharges that I caused or cause, and for any discharges whose source I possess or control on the Property or Properties or on other properties.

It is my understanding that I have not met all the conditions for the off-site exemption at the time of this application, but I request a liability clarification determination that includes the conditions under which I or others would become eligible for the off-site discharge exemption for the Property or Properties, if I were to meet all the criteria under s. 292.13, Wis. Stats. I believe that I meet the criteria regarding the source of the contamination and the source property in s. 292.13, Wis. Stats., with respect to the fact that I never controlled or possessed either the source property itself, or the hazardous substances that have migrated onto the Property or Properties from the source property, nor did I cause the hazardous substance discharge for which I am seeking this written exemption.

I understand that if I meet the criteria in s. 292.13, Wis. Stats., and obtain the off-site liability exemption, but subsequently fail to satisfy the statutory requirements in s. 292.13, Wis. Stats., such as failing to provide access to the Property, the DNR has the authority to revoke the off-site exemption for the Property.

Applicant Last Name	First	MI
The Ideal, LLC		
Signature	Date Signed	
	8-28-17	

By: GALLINA Ideal MANAGER, LLC - MANAGER
Joseph R. GALLINA - Member

9. DNR contacts and addresses for application submittals.

Send or deliver the completed request, supporting materials, and fee to the region where the property is located. Contact a DNR Regional Brownfield Specialist with any questions about this form or a specific situation involving a contaminated property

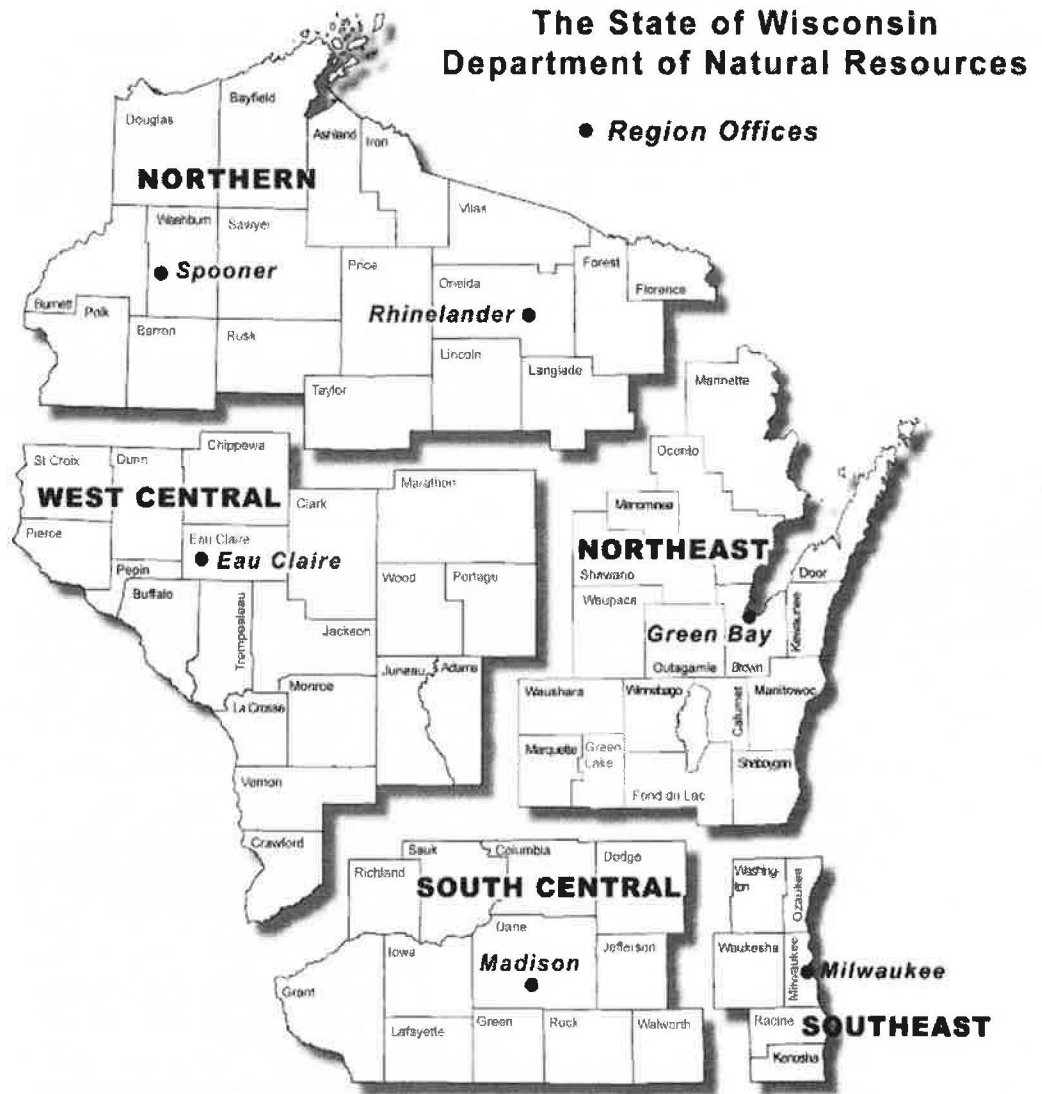
DNR NORTHERN REGION
Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

DNR NORTHEAST REGION
Attn: RR Program Assistant
Department of Natural Resources
2984 Shawano Avenue
Green Bay WI 54313

DNR SOUTH CENTRAL REGION
Attn: RR Program Assistant
Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711

DNR SOUTHEAST REGION
Attn: RR Program Assistant
Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee WI 53212

DNR WEST CENTRAL REGION
Attn: RR Program Assistant
Department of Natural Resources
1300 W Clairemont Avenue
Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

For DNR Office Use Only

Date Received	BRRTS Activity Name	BRRTS Activity Code
Date Assigned	DNR Reviewer	BRRTS FID No. (if used)
Comments		Fee Enclosed <input type="radio"/> Yes <input type="radio"/> No
Date Approved	Date Additional Information Requested	Date Withdrawn
		Date Denied

SCS BT SQUARED

November 30, 2012
File No. 25212281.00

Mr. Craig Enzenroth
The Gallina Corporation
101 East Main Street, Suite 500
Mount Horeb, WI 53572

Subject: Phase 2 Environmental Site Assessment Report
The Ideal Development Properties
502 S. Park Street, Madison, Wisconsin

Dear Mr. Enzenroth:

SCS BT Squared (SCS) is pleased to present the results of our site investigation performed for the property located at 502 S. Park Street, Madison, Wisconsin (**Figure 1**). A Phase 1 Environmental Site Assessment (ESA), performed by SCS in 2012, identified the property's historical use as an auto body repair and painting shop, along with the former presence of a 1,500-gallon fuel oil underground storage tank at an adjacent property, as a recognized environmental condition (REC) at the property. This Phase 2 ESA was performed in order to investigate this REC.

SITE INVESTIGATION ACTIVITIES

On November 2, 2012, Ms. Meghan Blodgett of SCS supervised the advancement of six Geoprobe™ (geoprobe) soil borings at the property (B-1 through B-6). Soil Essentials of New Glarus, Wisconsin, provided geoprobe services. The borings were advanced to 10-15 feet below ground surface (bgs). Boring locations are shown on **Figure 2**, and boring logs are included in **Attachment A**.

Soils at all boring locations consisted of 4 to 5 feet of silty sand or clay underlain by sand. A thin layer of peat was present in all borings at approximately 5 feet bgs. No petroleum odors or soil staining were observed. Soil from each boring was screened with a photoionization detector (PID) at 2.5-foot intervals; no elevated PID readings were recorded. One soil sample, from a depth of 6-7 feet bgs, was collected from each boring for laboratory analysis. These samples were submitted to ECCS of Madison, Wisconsin, for analysis of diesel range organics (DROs), polynuclear aromatic hydrocarbons (PAHs), and volatile organic compounds (VOCs).

Groundwater was encountered at approximately 9 feet bgs. Groundwater samples were collected from two borings, B-1 and B-2. These samples were submitted to ECCS for VOC and PAH analysis.



ANALYTICAL RESULTS

Soil

DRO was not detected in any of the soil samples. VOCs and PAHs were detected in the soil sample from B-1, but no concentration exceeded NR 720 residual contaminant levels (RCLs). Benzo(a)pyrene exceeded the non-industrial direct contact limit at B-1, but not the industrial direct contact limit. Dichlorodifluoromethane was detected at B-1, B-2, B-3, and B-4. Currently there is no RCL for this contaminant. Soil analytical results are summarized in **Tables 1 and 2**. The full analytical report is included in **Attachment B**.

Groundwater

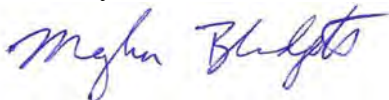
No VOCs were detected in groundwater samples collected from borings B-1 and B-2. Multiple PAHs were detected in both samples, but the concentrations are below NR 140 preventative action limits. Groundwater analytical results are summarized in **Tables 3 and 4**. The full analytical report is included in **Attachment B**.

RECOMMENDATIONS

Detectable concentrations of soil and groundwater contamination have been found at the site, and the Wisconsin Department of Natural Resources must be notified that a release has occurred.

Please contact us at (608) 224-2830 if you have any questions about this investigation.

Sincerely,



Meghan Blodgett
Hydrogeologist

SCS BT SQUARED



Christopher H. Valcheff
Project Manager

SCS BT SQUARED

MDB/TLC/CHV

Enclosures: Table 1 – Soil Analytical Results Summary – VOCs
Table 2 – Soil Analytical Results Summary – PAHs
Table 3 – Groundwater Analytical Results Summary – VOCs
Table 4 – Groundwater Analytical Results Summary – PAHs
Figure 1 – Site Location Map
Figure 2 – Site Plan
Attachment A – Boring Logs
Attachment B – Laboratory Analytical Report

TABLES

- 1 Soil Analytical Results Summary – VOCs
- 2 Soil Analytical Results Summary – PAHs
- 3 Groundwater Analytical Results Summary – VOCs
- 4 Groundwater Analytical Results Summary – PAHs

Table 1. Soil Analytical Results Summary - VOCs
Ideal Properties, Madison, WI / SCS BT Squared Project #25212281.00
 (Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	Lab Notes	DRO (mg/kg)	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Other VOCs
B-1	11/1/2012	6	(1)	<2.5	<27	<27	<27	<80	<27	<27	<27	Dichlorodifluoromethane 38
B-2	11/1/2012	6-7	(1)	<2.2	<24	<24	<24	<72	<24	<24	<24	Dichlorodifluoromethane 28
B-3	11/1/2012	6-7	(1)	<2.3	<29	<29	<29	<87	<29	<29	<29	Dichlorodifluoromethane 35
B-4	11/1/2012	6-7	(1)	NA	<26	<26	<26	<79	<26	<26	<26	Dichlorodifluoromethane 27
B-5	11/1/2012	6-7	(1)	<2.5	<33	<33	<33	<98	<33	<33	<33	ND
B-6	11/1/2012	6-7	(1)	<2.2	<27	<27	<27	<81	<27	<27	<27	ND
NR 720 Residual Contaminant Level (RCL)				100	5.5	2,900	1,500	4,100	NE	NE	NE	
NR 746 Table 1				NE	8,500	4,600	38,000	42,000	83,000	11,000	NE	
NR 746 Table 2				NE	1,100	NE	NE	NE	NE	NE	NE	

Abbreviations:

µg/kg = micrograms per kilogram or parts per billion (ppb)
 TMB = Trimethylbenzene
 NE = Not Established

mg/kg - milligrams per kilogram or parts per million (ppm)
 DRO = Diesel Range Organics
 MTBE = Methyl-tert-butyl ether

VOCs = Volatile Organic Compounds
 ND = Not Detected

Notes:

Bold+underlined values exceed NR 720 RCLs.

NR 720 RCL - Wisconsin Administrative Code (WAC), Chapter NR 720 Residual Contaminant Level.

NR 746 Table 1 - WAC, Chapter NR 746.06(2)(b) Table 1 - Indicators of Residual Petroleum Product in Soil Pores.

NR 746 Table 2 - WAC, Chapter NR 746.06(2)(b) Table 2 - Protection of Human Health from Direct Contact with Contaminated Soil.

Laboratory Notes/Qualifiers:

(1) Bromomethane, Chloroethane - Estimated value because of quality control sample exceedances.

Created by: TLC Date: 11/28/2012
 Last revision by: TLC Date: 11/28/2012
 Checked by: MDB Date: 11/28/2012

I:\25212281\Tables-General\[Soil_VOCs.xls]Soil VOCs

**Table 3. Groundwater Analytical Results Summary - VOCs
Ideal Properties, Madison, WI / SCS BT Squared Project #25212281.00**

(Results are in µg/L)

Sample	Date	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE
B-1	11/1/2012	(1)	<0.50	<0.50	<0.50	<1.50	<1.00	<0.50
B-2	11/1/2012	(1)	<0.50	<0.50	<0.50	<1.50	<1.00	<0.50
NR 140 Enforcement Standards (ESs)			5	700	800	2,000	480	60
NR 140 Preventive Action Limits (PALs)			0.5	140	160	400	96	12

Abbreviations:

µg/L = micrograms per liter or parts per billion (ppb)

TMBs = 1,2,4- and 1,3,5-trimethylbenzenes

MTBE = Methyl-tert-butyl ether

VOCs = Volatile Organic Compounds

Notes:

NR 140 ESs - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards.

NR 140 PALs - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards.

Bold+underlined values meet or exceed NR 140 enforcement standards.

Italic+underlined values meet or exceed NR 140 preventive action limits.

Laboratory Notes/Qualifiers:

(1) Bromomethane, Chloroethane - Estimated value because of quality control sample exceedances.

1,2-Dibromo-3-chloropropane - Results may be biased low because of low continuing calibration verification (CCV).

Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect.

Created by: TLC Date: 11/28/2012

Last revision by: TLC Date: 11/28/2012

Checked by: MDB Date: 11/28/2012

I:\25212281\Tables-General\[GW_VOCs.xls]GW VOCs

Table 4. Groundwater Analytical Results Summary - PAHs
Ideal Properties, Madison, WI / SCS BT Squared Project #25212281.00
 (Results are in µg/L)

Sample	Date	Acenaph- thene	Acenaph- thylene	Anthracene	Benzo(a) anthracene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Benzo(a) pyrene	Benzo(e) pyrene	Benzo(ghi) perylene	Chrysene	Dibenzo(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3- cd) pyrene	Naphthalene	Phenanthrene	Pyrene
B-1	11/1/2012	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.022	<0.011	<0.011	0.058	0.029	0.013
B-2	11/1/2012	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.019	<0.010	<0.010	<0.052	0.025	0.012
NR 140 Enforcement Standards (ESs)		NE	NE	3,000	NE	0.2	NE	0.2	NE	NE	0.2	NE	400	400	NE	100	NE	250
NR 140 Preventive Action Limits (PALs)		NE	NE	600	NE	0.02	NE	0.02	NE	NE	0.02	NE	80	80	NE	10	NE	50

Abbreviations:

µg/L = micrograms per liter or parts per billion (ppb)

PAHs = Polynuclear Aromatic Hydrocarbons

NE = No Standard Established

-- = Not Applicable

Notes:

NR 140 ES - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards.

NR 140 PAL - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards.

Bold+underlined values meet or exceed NR 140 enforcement standards.

Italic+underlined values meet or exceed NR 140 preventive action limits.

Created by: TLC Date: 11/28/2012

Last revision by: TLC Date: 11/28/2012

Checked by: MDB Date: 11/28/2012

I:\25212281\Tables-General\[GW_PAHs.xls]GW PAHs

FIGURES

- 1 Site Location Map
- 2 Site Plan



MADISON WEST QUADRANGLE
 WISCONSIN-DANE CO.
 7.5 MINUTE SERIES (TOPOGRAPHIC)
 SW/4 MADISON 15' QUADRANGLE
 1983
 SCALE: 1" = 2,000'



CLIENT	THE IDEAL, LLC 101 EAST MAIN ST, SUITE 500 MT. HOREB, WI 53572		SITE	DJ & MP DOTTL JOINT REVOCABLE TRUST PROPERTY 502 S. PARK ST. & 917-925 DRAKE ST MADISON, WI 53715		ENGINEER	SCS BT SQUARED 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830		FIGURE 1
	PROJECT NO.	25212281.00		DRAWN BY:	AHB		APPROVED BY:	LB	
	DRAWN:	10/25/12	CHECKED BY:	LB					
	REVISED:	10/25/12	APPROVED BY:						

ENVIRONMENTAL CONSULTANTS

2830 Dairy Drive
 Madison, Wisconsin 53718
 608-224-2830
 Fax: 608-224-2839

Project 25212281.00
 Sheet No. ___ of ___ Scale: 1"=20'
 Calculated by: _____ Date: _____
 Checked by: _____ Date: _____

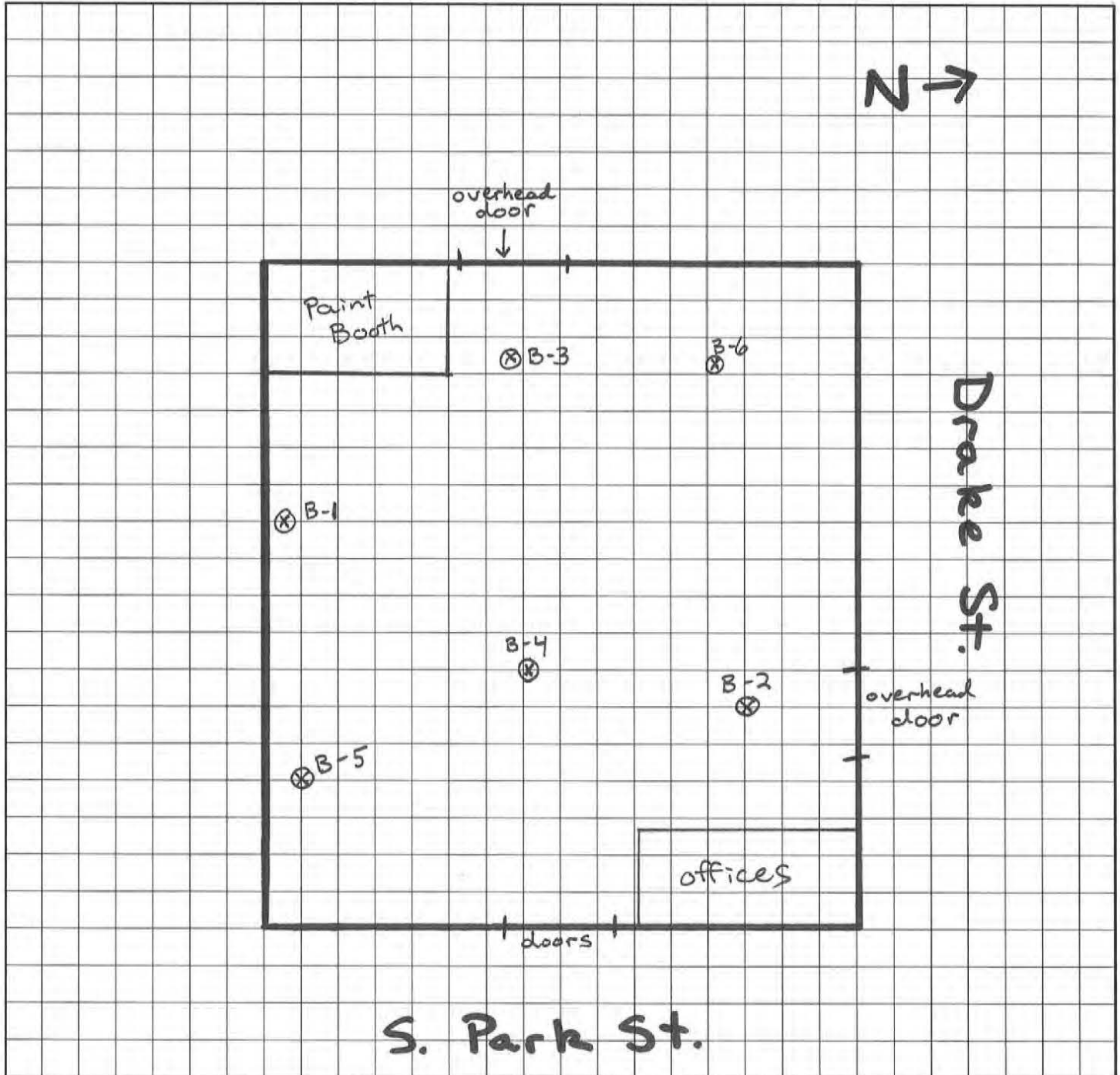


Figure 2
Site Plan

ATTACHMENT A

Boring Logs

Route To:

- Watershed/Wastewater
- Remediation/Redev.
- Waste Management
- Other _____

SOIL BORING LOG INFORMATION

Form 4400-122

7-98 bt2

Facility/Project Name <i>Ideal Properties 25212091</i>		BT Squared #.		License/Permit/Monitoring Number		Boring Number <i>B-1</i>						
Boring Drilled By (Firm name and name of crew chief) <i>Paulson, Dave (Soil Essentials)</i>				Drilling Started <i>11/12</i>		Drilling Completed <i>11/12</i>		Drilling Method <i>DPT</i>				
DNR Facility Well No.		WI Unique Well No.		Common Well Name		Static Water Level Feet		Surface Elevation Feet		Borehole Diam. Inches <i>2</i>		
Boring Location State Plane <i>1/4 of 1/4 of Section, T. N., R. E.</i>				Lat. Long.		Local Grid Location (If applicable) Feet N., Feet E.						
County <i>Dane</i>				DNR County Code <i>13</i>		Civil Town/City/or Village <i>Madison</i>						
Sample Number	Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
									Standard Penetration	Moisture Content	P200	
<i>51</i>	<i>39"</i>		<i>1</i>	<i>2" concrete</i> <i>SILTY CLAY, med/dk. brown</i>	<i>CL</i>			<i>0.0</i>		<i>M</i>		
			<i>2</i>	<i>tr. silt w/ sand, tr. coal;</i> <i>conders (2" interval @ 2')</i>								
<i>52</i>			<i>3</i>	<i>fine sand w/ clay,</i> <i>med. brown</i>	<i>SC</i>			<i>0.0</i>		<i>M</i>		
			<i>4</i>									
			<i>5</i>	<i>peat</i>	<i>OH</i>							
<i>53</i>	<i>30"</i>		<i>6</i>	<i>Sandy, fine-med, light</i> <i>brown, little sm. gravel</i>	<i>SP</i>			<i>0.0</i>		<i>M</i>		
			<i>7</i>									
			<i>8</i>									
<i>54</i>	<i>48"</i>		<i>9</i>					<i>0.0</i>		<i>W</i>		<i>wet @</i> <i>~8.5'</i>
			<i>10</i>									
			<i>11</i>		<i>SAA</i>						<i>W</i>	
			<i>12</i>									
			<i>13</i>									
			<i>14</i>							<i>W</i>		
			<i>15</i>		<i>GOB @ 15'</i>							

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

Signature *Meghan Blodgett* Firm **BT Squared, Inc.**

This form is authorized by Chapters 281, 283, 289, 291, 292, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture between \$10 and \$25,000, or imprisonment for up to one year, depending on 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.

B-1, 6' @ 0900

Route To:

- Watershed/Wastewater
- Remediation/Redev.
- Waste Management
- Other _____

Facility/Project Name <i>Ideal</i>		25212281 BT Squared #.		License/Permit/Monitoring Number		Boring Number <i>B-2</i>	
Boring Drilled By (Firm name and name of crew chief) <i>Soil Essentials - Dave Paulson</i>				Drilling Started <i>11/1/12</i>		Drilling Completed <i>11/1/12</i>	
DNR Facility Well No.		WI Unique Well No.		Common Well Name		Static Water Level Feet	
Surface Elevation Feet		Borehole Diam. Inches <i>2</i>		Local Grid Location (If applicable) Feet N., Feet E.			
Boring Location State Plane <i>1/4 of 1/4 of Section, T. N., R. E.</i>				Lat. Long.			
County <i>Dane</i>			DNR County Code <i>13</i>		Civil Town/City/or Village <i>Madison</i>		

Sample Number	Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
									Standard Penetration	Moisture Content	P200	
<i>S1</i>	<i>40"</i>		<i>1</i>	<i>3-4" concrete</i>	<i>SP</i>			<i>0</i>		<i>M</i>		
			<i>2</i>	<i>SILTY SAND, med. brown to tan, f-m. gravel, some sm. gravel, lg. gravel, some clay 0.5 - 1.5.</i>				<i>0</i>		<i>M</i>		
<i>S2</i>			<i>3</i>					<i>0</i>		<i>M</i>		
			<i>4</i>					<i>0</i>		<i>M</i>		
			<i>5</i>	<i>PGAT</i>	<i>OL</i>							
<i>S3</i>	<i>40"</i>		<i>6</i>	<i>SAND, lt. brown, f-m, little sm. lg. gravel</i>	<i>SP</i>			<i>0</i>		<i>M</i>		
			<i>7</i>					<i>0</i>		<i>M</i>		
<i>S4</i>			<i>8</i>					<i>0</i>		<i>W</i>		<i>wet @ ~9'</i>
	<i>50"</i>		<i>10</i>					<i>0</i>		<i>W</i>		
			<i>11</i>	<i>SAA</i>				<i>1</i>		<i>W</i>		
			<i>12</i>					<i>1</i>		<i>W</i>		
			<i>13</i>					<i>1</i>		<i>W</i>		
			<i>14</i>					<i>1</i>		<i>W</i>		
			<i>15</i>	<i>603 @ 15'</i>								

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

Signature <i>Myhan Blodgett</i>	Firm BT Squared, Inc.
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6-7' @ 0945

Facility/Project Name <i>Ideal</i>		2022281 BT Squared #.		License/Permit/Monitoring Number		Boring Number <i>B-3</i>	
Boring Drilled By (Firm name and name of crew chief) <i>Soil Essentials - Dave Paulson</i>				Drilling Started <i>4/1/12</i>		Drilling Completed <i>11/1/12</i>	
DNR Facility Well No.		WI Unique Well No.		Common Well Name		Static Water Level Feet	
Surface Elevation Feet		Borehole Diam. Inches <i>2</i>		Local Grid Location (If applicable) Feet N., Feet E.			
Boring Location State Plane <i>1/4 of 1/4 of Section, T. N., R. E.</i>				Lat. Long.			
County <i>Dane</i>			DNR County Code <i>13</i>		Civil Town/City/or Village <i>Madison</i>		

Sample Number	Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/Comments
									Standard Penetration	Moisture Content	P200	
<i>S1</i>	<i>40"</i>		<i>1</i>	<i>3" concrete</i> <i>SAND, fm, med.</i>	<i>SP</i>			<i>0</i>		<i>M</i>		
			<i>2</i>	<i>CLAY, dk. brown, m. glass?</i> <i>plastic (GFI)</i>	<i>CL</i>			<i>0</i>		<i>M</i>		
<i>S2</i>			<i>3</i>	<i>SAND w/ SILT? CLAY, med.</i> <i>brown</i>	<i>SM-SC</i>			<i>0</i>		<i>M</i>		
				<i>4</i>				<i>0</i>		<i>M</i>		
			<i>5</i>	<i>PEAT</i>	<i>OL</i>			<i>0</i>		<i>M</i>		
<i>S3</i>	<i>54"</i>		<i>6</i>	<i>SAND, lt. brown, fine-med,</i> <i>little sm gravel</i>	<i>SP</i>			<i>0</i>		<i>M</i>		
			<i>7</i>					<i>0</i>		<i>M</i>		
			<i>8</i>					<i>0</i>		<i>M</i>		
<i>S4</i>			<i>9</i>					<i>0</i>		<i>W</i>		<i>wet 29'</i>
			<i>10</i>					<i>0</i>		<i>W</i>		
			<i>11</i>	<i>BOB @ 10'</i> <i>Abund. w/ bent. chips</i> <i>(3/4")</i>								
			<i>12</i>									
			<i>13</i>									
			<i>14</i>									
			<i>15</i>									

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

Signature	Firm <i>BT Squared, Inc.</i>
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Facility/Project Name <i>Ideal</i>		25212281 BT Squared #.		License/Permit/Monitoring Number		Boring Number <i>B-4</i>	
Boring Drilled By (Firm name and name of crew chief) <i>Soil Essentials - Dave Paulson</i>				Drilling Started <i>11/4/12</i>		Drilling Completed <i>11/1/12</i>	
DNR Facility Well No.		WI Unique Well No.		Common Well Name		Static Water Level Feet	
						Surface Elevation Feet	
						Borehole Diam. Inches <i>2</i>	
Boring Location State Plane <i>1/4 of 1/4 of Section, T. N., R. E.</i>				Lat. Long.		Local Grid Location (If applicable) Feet N., Feet E.	
County <i>Dane</i>				DNR County Code <i>13</i>		Civil Town/City/or Village <i>Madison</i>	

Sample Number	Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
									Standard Penetration	Moisture Content	P200	
<i>1</i>	<i>32"</i>		<i>1</i>	<i>~4" concrete</i>								
			<i>2</i>	<i>SILTY SAND w/ CLAY, mottled dk. brown ? med. brown, to sm. gravel, sand med, some clay, tr. brick fragments (fill)</i>	<i>SM</i>			<i>0</i>	<i>u</i>			
			<i>3</i>									
<i>2</i>			<i>4</i>	<i>SILTY CLAY, dk. brown, some sm. gravel.</i>	<i>CL</i>			<i>0</i>	<i>u</i>			
			<i>5</i>	<i>PEAT</i>	<i>OL</i>							
<i>3</i>	<i>40"</i>		<i>6</i>	<i>SAND, light brown, f-m., little clay</i>	<i>SP</i>			<i>0</i>	<i>u</i>			
			<i>7</i>									
			<i>8</i>									
<i>4</i>			<i>9</i>					<i>0</i>	<i>w</i>		<i>wet @ ~9'</i>	
			<i>10</i>	<i>EOB @ 10'</i>								
			<i>11</i>	<i>Abund. w/ 7/8" bent. chips.</i>								
			<i>12</i>									
			<i>13</i>									
			<i>14</i>									
			<i>15</i>									

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

Signature *Melba Blodgett* Firm **BT Squared, Inc.**

This form is authorized by Chapters 281,283,289,291,292,295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture between \$10 and \$25,000, or imprisonment for up to one year, depending on 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.

6-7' @ 1090

Route To:

- Watershed/Wastewater
- Remediation/Redev.
- Waste Management
- Other _____

SOIL BORING LOG INFORMATION

Form 4400-122

7-98 bt2

Facility/Project Name <i>Ideal Bldg.</i>		25212281 BT Squared #.		License/Permit/Monitoring Number		Boring Number <i>B-5</i>	
Boring Drilled By (Firm name and name of crew chief) <i>Soil Essentials - Dave Paulson</i>				Drilling Started <i>11/1/12</i>		Drilling Completed <i>11/1/12</i>	
DNR Facility Well No.		WI Unique Well No.		Common Well Name		Static Water Level Feet	
						Surface Elevation Feet	
						Borehole Diam. Inches <i>2</i>	
Boring Location State Plane <i>1/4 of 1/4 of Section, T. N., R. E.</i>				Lat. Long.		Local Grid Location (If applicable) Feet N., Feet E.	
County <i>Dane</i>				DNR County Code <i>13</i>		Civil Town/City/or Village <i>Madison</i>	

Sample Number	Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
									Standard Penetration	Moisture Content	P200	
	<i>20"</i>		<i>1</i>	<i>~8" concrete ~8" sand (tan, fine - fill) ~10" concrete</i>								
	<i>2"</i>		<i>2</i>									
			<i>3</i>	<i>~1" recov. 2'-5', lg. gravel that was driven by sampler.</i>								
			<i>4</i>									
			<i>5</i>	<i>PEAT</i>	<i>OL</i>							
<i>53</i>	<i>27"</i>		<i>6</i>					<i>0</i>		<i>M</i>		
			<i>7</i>	<i>SAND, light brown, 2-m, little coarse sand & silt gravel.</i>	<i>SP</i>							
			<i>8</i>									
<i>54</i>			<i>9</i>					<i>0</i>				
			<i>10</i>							<i>w</i>		<i>wet @ ~8.5'</i>
			<i>11</i>	<i>GOB @ 10', a band. w/</i>								
			<i>12</i>	<i>3/8" bent chips.</i>								
			<i>13</i>									
			<i>14</i>									
			<i>15</i>									

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

Signature <i>Megan Blodgett</i>	Firm BT Squared, Inc.
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6-7' HUS

Route To:

- Watershed/Wastewater
- Remediation/Redev.
- Waste Management
- Other _____

SOIL BORING LOG INFORMATION

Form 4400-122

7-98 bt2

Facility/Project Name <i>Ideal</i>		BT Squared #. <i>25212281</i>		License/Permit/Monitoring Number		Boring Number <i>B6</i>	
Boring Drilled By (Firm name and name of crew chief) <i>Soil Essentials - Dave Paulson</i>				Drilling Started <i>1/1/12</i>		Drilling Completed <i>2/1/12</i>	
DNR Facility Well No.		WI Unique Well No.		Common Well Name		Static Water Level Feet	
Surface Elevation Feet		Borehole Diam. Inches <i>2</i>		Boring Location State Plane <i>1/4 of 1/4 of Section, T. N., R. E.</i>		Local Grid Location (If applicable) Feet N., Feet E.	

County <i>Dane</i>	DNR County Code <i>13</i>	Civil Town/City/or Village <i>Madison</i>
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Sample Number	Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties			RQD/ Comments
									Standard Penetration	Moisture Content	P200	
<i>51</i>	<i>40</i>		<i>1</i>	<i>3" concrete</i>				<i>0</i>				
			<i>2</i>	<i>clay, mottled med. dk. brown, some sand, silty</i>	<i>CL</i>			<i>0</i>				
			<i>3</i>						<i>0</i>			
<i>52</i>			<i>4</i>	<i>PEAT</i>	<i>OL</i>			<i>0</i>				
			<i>5</i>	<i>SAND, lt. brown, f-m</i>	<i>SP</i>			<i>0</i>				
<i>53</i>	<i>38</i>		<i>6</i>					<i>0</i>				
			<i>7</i>					<i>0</i>				
			<i>8</i>						<i>0</i>			
<i>54</i>			<i>9</i>					<i>0</i>				
			<i>10</i>									
			<i>11</i>	<i>EOB @ 10', aband. w/ 3/8" bentonite chips.</i>								
			<i>12</i>									
			<i>13</i>									
			<i>14</i>									
			<i>15</i>									

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

Signature <i>Megan Blodgett</i>	Firm <i>BT Squared, Inc.</i>
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6-7', 1130

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water
 Watershed/Wastewater
 Waste Management
 Remediation/Redevelopment
 Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Dane
 Common Well Name B-1 Gov't Lot # (if applicable) _____
 1/4 / 1/4 Section Township Range E W
 SW SW 23 7 N 9
 Grid Location: Local Grid Origin Well Location
 Feet N E S W (estimated) OR Well Location
 Latitude: DEG MIN SEC Longitude: DEG MIN SEC
 _____ N _____ W
 Reason For Abandonment temp. borehole WI Unique Well No. of Replacement Well _____

2. Facility / Owner Information

Facility Name Ideal Properties
 Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town _____
 Street Address of Well 502 S. Park Street, Madison, WI
 Present Well Owner Gallina Corp. Original Well Owner same
 Street Address or Route of Owner 101 E Main St., Suite 500
 City Mount Horeb State WI ZIP Code 53572

3. Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole
 Original Construction Date 11/1/12
 If a Well Construction Report is available, please attach. _____
 Construction Type:
 Drilled
 Driven (Sandpoint)
 Dug
 Other (specify): DPT
 Formation Type:
 Unconsolidated Formation
 Bedrock
 Total Well Depth From Groundsurface (ft.) 15 Casing Diameter (in.) -
 Lower Drillhole Diameter (in.) 2 Casing Depth (ft.) --
 Was well annular space grouted? Yes No Unknown
 If yes, to what depth (feet)? _____ Depth to Water (feet) ~9'

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A
 Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A
 Required Method of Placing Sealing Material:
 Conductor Pipe-Gravity
 Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips)
 Other (Explain): _____
 Sealing Materials:
 Neat Cement Grout
 Sand-Cement (Concrete) Grout
 Concrete
 Clay-Sand Slurry (11 lb./gal. wt.)
 Bentonite-Sand Slurry " "
 Bentonite Chips
 For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips
 Bentonite - Cement Grout
 Granular Bentonite
 Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	15	3 ft ³	dry mix

6. Comments

7. Supervision of Work

Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Soil Essentials, supervised by SCS BT Squared</u>	Date of Abandonment <u>11/1/12</u>	Date Received	Noted By
Street or Route <u>2830 Dairy Drive</u>	Telephone Number <u>(608) 224-2830</u>	Comments	
City <u>Madison</u>	State <u>WI</u>	ZIP Code <u>53718</u>	Signature of Person Doing Work <u>[Signature]</u>
			Date Signed <u>11/2/12</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County Dane
 Common Well Name B-2 Gov't Lot # (if applicable) _____
 1/4 SW 23 Township 7 N Range 9 E W
 Grid Location: Feet N E S W Local Grid Origin _____ (estimated) OR Well Location _____
 Latitude: DEG MIN SEC _____ Longitude: DEG MIN SEC _____
 Reason For Abandonment temp. borehole WI Unique Well No. of Replacement Well _____

2. Facility / Owner Information

Facility Name Ideal Properties
 Facility ID _____ License/Permit/Monitoring No. _____ City, Village or Town _____
 Street Address of Well 502 S. Park Street, Madison, WI
 Present Well Owner Gallina Corp. Original Well Owner same
 Street Address or Route of Owner 101 E Main St., Suite 500
 City Mount Horeb State WI ZIP Code 53572

3. Well / Drillhole / Borehole Information

Monitoring Well Water Well Borehole / Drillhole
 Original Construction Date 11/1/12
 If a Well Construction Report is available, please attach. _____
 Construction Type: Drilled Driven (Sandpoint) Dug Other (specify): DPT
 Formation Type: Unconsolidated Formation Bedrock
 Total Well Depth From Groundsurface (ft.) 15 Casing Diameter (in.) --
 Lower Drillhole Diameter (in.) 2 Casing Depth (ft.) --
 Was well annular space grouted? Yes No Unknown
 If yes, to what depth (feet)? _____ Depth to Water (feet) ~9'

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A
 Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A
 Required Method of Placing Sealing Material: Conductor Pipe-Gravity Conductor Pipe-Pumped Screened & Poured (Bentonite Chips) Other (Explain): _____
 Sealing Materials: Neat Cement Grout Sand-Cement (Concrete) Grout Concrete Clay-Sand Slurry (11 lb./gal. wt.) Bentonite-Sand Slurry " " Bentonite Chips
 For Monitoring Wells and Monitoring Well Boreholes Only: Bentonite Chips Bentonite - Cement Grout Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	15	0.3 ft ³	dry mix

6. Comments

7. Supervision of Work

Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Sealing Work <u>Soil Essentials, supervised by SCS BT Squared</u>		Date of Abandonment <u>11/1/12</u>		Date Received	Noted By
Street or Route <u>2830 Dairy Drive</u>		Telephone Number <u>(608) 224-2830</u>		Comments	
City <u>Madison</u>	State <u>WI</u>	ZIP Code <u>53718</u>	Signature of Person Doing Work <i>Theresa Blissett</i>	Date Signed <u>11/2/12</u>	

ATTACHMENT B

Laboratory Analytical Report



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

19 November 2012

Chris Valcheff
SCS BT Squared, Inc
2830 Dairy Drive
Madison, WI 53718
RE: Ideal Properties - Madison, WI

Enclosed are the analytical results for the samples received by the laboratory on 11/01/2012.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
ILEPA	Illinois Secondary NELAP Accreditation	200062	04/30/2013
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2013
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2013
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2013
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2013



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

SCS BT Squared, Inc
2830 Dairy Drive
Madison WI, 53718

Project: Ideal Properties - Madison, WI
Project Number: 25212281
Project Manager: Chris Valcheff

Reported:
11/19/2012

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-1, 6'	A124412-01	Soil	11/01/2012	11/01/2012
B-1	A124412-02	Water	11/01/2012	11/01/2012
B-2, 6-7'	A124412-03	Soil	11/01/2012	11/01/2012
B-2	A124412-04	Water	11/01/2012	11/01/2012
B-3, 6-7'	A124412-05	Soil	11/01/2012	11/01/2012
B-4, 6-7'	A124412-06	Soil	11/01/2012	11/01/2012
B-5, 6-7'	A124412-07	Soil	11/01/2012	11/01/2012
B-6, 6-7'	A124412-08	Soil	11/01/2012	11/01/2012

Bromomethane and chloroethane failed initial calibration criteria, had low laboratory control sample (LCS) recoveries and had low continuing calibration verifications (CCV). Results for these compounds should be considered approximate.

The LC footnote on samples A124412-02 and A124412-04 states that there was a low CCV recovery for 1,2-dibromo-3-chloropropane. The lower control limit is 70% and the recovery was 65.6%. The LC footnote on samples A124412-06 through A124412-08 states that there were low CCV recoveries for benzo(a)anthracene, benzo(a)pyrene, dibenz(a,h)anthracene and indeno(1,2,3-cd)pyrene. The lower control limit is 80% and the recoveries were 79.8%, 77.2%, 75.2% and 75.5%, respectively.

The LCS recovery indicates a potential high bias for trichlorofluoromethane for samples A124412-02 and A124412-04. Samples were less than the reporting limit for these analytes so no further action is required.

CCV indicates a potential high bias for trichlorofluoromethane for samples A124412-01 through A124412-08 and a high bias for vinyl chloride for samples A124412-02 and A124412-04. Samples were less than the reporting limit for these analytes so no further action is required.



2525 Advance Road
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 608.221.4889 Fax

SCS BT Squared, Inc
 2830 Dairy Drive
 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-1, 6'
A124412-01 (Soil)

Date Sampled
 11/01/2012 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211023

Acetone	ND	1100	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Benzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Bromobenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Bromochloromethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Bromodichloromethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Bromoform	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Bromomethane	ND	270	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	E1
2-Butanone	ND	1100	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
n-Butyl Benzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
sec-Butyl Benzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
tert-Butylbenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Carbon disulfide	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Carbon tetrachloride	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Chlorobenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Chloroethane	ND	270	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	E1
Chloroform	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Chloromethane	ND	53	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
2-Chlorotoluene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
4-Chlorotoluene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Dibromochloromethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Dibromomethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,2-Dichlorobenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,4-Dichlorobenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,3-Dichlorobenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Dichlorodifluoromethane	38	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,1-Dichloroethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,2-Dichloroethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
trans-1,2-Dichloroethene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
cis-1,2-Dichloroethene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,1-Dichloroethene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
2,2-Dichloropropane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,2-Dichloropropane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,3-Dichloropropane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
cis-1,3-Dichloropropene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
trans-1,3-Dichloropropene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,1-Dichloropropene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Diisopropyl Ether	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Ethylbenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	



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SCS BT Squared, Inc
 2830 Dairy Drive
 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-1, 6'
A124412-01 (Soil)

Date Sampled
 11/01/2012 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211023

Hexachlorobutadiene	ND	110	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
n-Hexane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
2-Hexanone	ND	1100	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Isopropylbenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
p-Isopropyltoluene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
4-Methyl-2-pentanone	ND	1100	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Methyl t-Butyl Ether	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Naphthalene	ND	270	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
n-Propyl Benzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Styrene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Tetrachloroethene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Tetrahydrofuran	ND	530	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Toluene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,2,3-Trichlorobenzene	ND	110	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,2,4-Trichlorobenzene	ND	110	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,1,1-Trichloroethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,1,2-Trichloroethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Trichloroethene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Trichlorofluoromethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,2,3-Trichloropropane	ND	53	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,3,5-Trimethylbenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
1,2,4-Trimethylbenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Vinyl chloride	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
m,p-Xylene	ND	53	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
o-Xylene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 15:22	EPA 8260B	
Surrogate: Dibromofluoromethane		105 %	93.8-116		11/07/2012	11/07/2012 15:22	EPA 8260B	
Surrogate: Toluene-d8		96.8 %	94.9-106		11/07/2012	11/07/2012 15:22	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		100 %	91.9-110		11/07/2012	11/07/2012 15:22	EPA 8260B	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211003

Acenaphthene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Acenaphthylene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Anthracene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Benzo (a) anthracene	11	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Benzo (a) pyrene	18	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Benzo (b) fluoranthene	19	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Benzo (e) pyrene	14	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	



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SCS BT Squared, Inc
 2830 Dairy Drive
 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-1, 6'
A124412-01 (Soil)

Date Sampled
 11/01/2012 09:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211003

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Benzo (g,h,i) perylene	13	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Benzo (k) fluoranthene	17	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Chrysene	22	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Dibenz (a,h) anthracene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Fluoranthene	38	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Fluorene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Indeno (1,2,3-cd) pyrene	13	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Naphthalene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Phenanthrene	15	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Pyrene	32	10	ug/kg dry	1	11/02/2012	11/15/2012 01:25	EPA 8270	
Surrogate: <i>p</i> -Terphenyl-d14		99.8 %	78.2-121		11/02/2012	11/15/2012 01:25	EPA 8270	

Classical Chemistry Parameters

Preparation Batch: A211058

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
% Solids	95.8	0.00	% by Weight	1	11/15/2012	11/16/2012 11:00	SM 2540B	

Pace Analytical

ASTM D2974-87

Preparation Batch: 115079

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Percent Moisture	5.6	0.10	% dry	1	11/07/2012	11/07/2012 15:19	ASTM D2974-87	

WI MOD DRO

Preparation Batch: 114873

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Diesel Range Organics	ND	2.5	mg/kg dry	1	11/06/2012	11/07/2012 14:55	WI MOD DRO	



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SCS BT Squared, Inc
2830 Dairy Drive
Madison WI, 53718

Project: Ideal Properties - Madison, WI
Project Number: 25212281
Project Manager: Chris Valcheff

Reported:
11/19/2012

B-1
A124412-02 (Water)

Date Sampled
11/01/2012 09:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211008

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Acetone	ND	20	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Benzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Bromobenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Bromochloromethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Bromodichloromethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Bromoform	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Bromomethane	ND	5.0	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	E1
2-Butanone	ND	20	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Carbon disulfide	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Chlorobenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Chloroethane	ND	5.0	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	E1
Chloroform	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Chloromethane	ND	2.0	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	LC
Dibromochloromethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Dibromomethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
2,2-Dichloropropane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,2-Dichloropropane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,3-Dichloropropane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,1-Dichloropropene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Diisopropyl Ether	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Ethylbenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Hexachlorobutadiene	ND	2.0	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	



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SCS BT Squared, Inc
 2830 Dairy Drive
 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-1
A124412-02 (Water)

Date Sampled
 11/01/2012 09:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211008

n-Hexane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
2-Hexanone	ND	20	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Methylene chloride	ND	2.0	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
4-Methyl-2-pentanone	ND	20	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Methyl t-Butyl Ether	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Naphthalene	ND	5.0	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Styrene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Tetrahydrofuran	ND	10	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Toluene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,1,1-Trichloroethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Trichloroethene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Trichlorofluoromethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Vinyl chloride	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
m,p-Xylene	ND	1.0	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
o-Xylene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:26	EPA 8260B	
Surrogate: Dibromofluoromethane		90.4 %		93.8-116	11/05/2012	11/05/2012 17:26	EPA 8260B	S
Surrogate: Toluene-d8		97.0 %		94.9-106	11/05/2012	11/05/2012 17:26	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		98.0 %		91.9-110	11/05/2012	11/05/2012 17:26	EPA 8260B	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211010

Acenaphthene	ND	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Acenaphthylene	ND	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Anthracene	ND	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Benzo (a) anthracene	ND	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Benzo (a) pyrene	ND	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Benzo (b) fluoranthene	ND	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Benzo (e) pyrene	ND	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Benzo (g,h,i) perylene	ND	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	



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SCS BT Squared, Inc
 2830 Dairy Drive
 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-1
A124412-02 (Water)

Date Sampled
 11/01/2012 09:10

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211010

Benzo (k) fluoranthene	ND	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Chrysene	ND	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Dibenz (a,h) anthracene	ND	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Fluoranthene	0.022	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Fluorene	ND	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Indeno (1,2,3-cd) pyrene	ND	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Naphthalene	0.058	0.053	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Phenanthrene	0.029	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Pyrene	0.013	0.011	ug/L	1	11/06/2012	11/14/2012 23:12	EPA 8270	
Surrogate: <i>p</i> -Terphenyl- <i>d</i> 14		94.5 %		51.9-132	11/06/2012	11/14/2012 23:12	EPA 8270	



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Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-2, 6-7'
A124412-03 (Soil)

Date Sampled
 11/01/2012 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211023

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Acetone	ND	970	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Benzene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Bromobenzene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Bromochloromethane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Bromodichloromethane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Bromoform	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Bromomethane	ND	240	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	E1
2-Butanone	ND	970	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
n-Butyl Benzene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
sec-Butyl Benzene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
tert-Butylbenzene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Carbon disulfide	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Carbon tetrachloride	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Chlorobenzene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Chloroethane	ND	240	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	E1
Chloroform	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Chloromethane	ND	48	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
2-Chlorotoluene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
4-Chlorotoluene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Dibromochloromethane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Dibromomethane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,2-Dichlorobenzene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,4-Dichlorobenzene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,3-Dichlorobenzene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Dichlorodifluoromethane	28	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,1-Dichloroethane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,2-Dichloroethane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
trans-1,2-Dichloroethene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
cis-1,2-Dichloroethene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,1-Dichloroethene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
2,2-Dichloropropane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,2-Dichloropropane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,3-Dichloropropane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
cis-1,3-Dichloropropene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
trans-1,3-Dichloropropene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,1-Dichloropropene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Diisopropyl Ether	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Ethylbenzene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Hexachlorobutadiene	ND	97	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	



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SCS BT Squared, Inc
2830 Dairy Drive
Madison WI, 53718

Project: Ideal Properties - Madison, WI
Project Number: 25212281
Project Manager: Chris Valcheff

Reported:
11/19/2012

B-2, 6-7'
A124412-03 (Soil)

Date Sampled
11/01/2012 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211023

n-Hexane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
2-Hexanone	ND	970	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Isopropylbenzene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
p-Isopropyltoluene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Methylene chloride	ND	97	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
4-Methyl-2-pentanone	ND	970	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Methyl t-Butyl Ether	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Naphthalene	ND	240	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
n-Propyl Benzene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Styrene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Tetrachloroethene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Tetrahydrofuran	ND	480	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Toluene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,2,3-Trichlorobenzene	ND	97	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,2,4-Trichlorobenzene	ND	97	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,1,1-Trichloroethane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,1,2-Trichloroethane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Trichloroethene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Trichlorofluoromethane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,2,3-Trichloropropane	ND	48	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,3,5-Trimethylbenzene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
1,2,4-Trimethylbenzene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
Vinyl chloride	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
m,p-Xylene	ND	48	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	
o-Xylene	ND	24	ug/kg dry	1	11/07/2012	11/07/2012 15:51	EPA 8260B	

Surrogate: Dibromofluoromethane

102 % 93.8-116

11/07/2012

11/07/2012 15:51

EPA 8260B

Surrogate: Toluene-d8

98.2 % 94.9-106

11/07/2012

11/07/2012 15:51

EPA 8260B

Surrogate: 4-Bromofluorobenzene

101 % 91.9-110

11/07/2012

11/07/2012 15:51

EPA 8260B

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211003

Acenaphthene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	
Acenaphthylene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	
Anthracene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	
Benzo (a) anthracene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	
Benzo (a) pyrene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	
Benzo (b) fluoranthene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	
Benzo (e) pyrene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	
Benzo (g,h,i) perylene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	



SCS BT Squared, Inc
 2830 Dairy Drive
 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-2, 6-7'
A124412-03 (Soil)

Date Sampled
 11/01/2012 09:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211003

Benzo (k) fluoranthene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	
Chrysene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	
Dibenz (a,h) anthracene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	
Fluoranthene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	
Fluorene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	
Indeno (1,2,3-cd) pyrene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	
Naphthalene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	
Phenanthrene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	
Pyrene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 01:59	EPA 8270	

Surrogate: *p*-Terphenyl-*d*14

102 % 78.2-121 11/02/2012 11/15/2012 01:59 EPA 8270

Classical Chemistry Parameters

Preparation Batch: A211058

% Solids	91.0	0.00	% by Weight	1	11/15/2012	11/16/2012 11:00	SM 2540B	
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Pace Analytical

ASTM D2974-87

Preparation Batch: 115079

Percent Moisture	8.2	0.10	% dry	1	11/07/2012	11/07/2012 15:19	ASTM D2974-87	
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WI MOD DRO

Preparation Batch: 114873

Diesel Range Organics	ND	2.2	mg/kg dry	1	11/06/2012	11/07/2012 15:01	WI MOD DRO	
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 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-2
A124412-04 (Water)

Date Sampled
 11/01/2012 09:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211008

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Acetone	ND	20	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Benzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Bromobenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Bromochloromethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Bromodichloromethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Bromoform	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Bromomethane	ND	5.0	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	E1
2-Butanone	ND	20	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Carbon disulfide	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Chlorobenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Chloroethane	ND	5.0	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	E1
Chloroform	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Chloromethane	ND	2.0	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	LC
Dibromochloromethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Dibromomethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
2,2-Dichloropropane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,2-Dichloropropane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,3-Dichloropropane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,1-Dichloropropene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Diisopropyl Ether	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Ethylbenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Hexachlorobutadiene	ND	2.0	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	



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 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-2
A124412-04 (Water)

Date Sampled
 11/01/2012 09:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211008

n-Hexane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
2-Hexanone	ND	20	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Methylene chloride	ND	2.0	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
4-Methyl-2-pentanone	ND	20	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Methyl t-Butyl Ether	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Naphthalene	ND	5.0	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Styrene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Tetrahydrofuran	ND	10	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Toluene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,1,1-Trichloroethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Trichloroethene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Trichlorofluoromethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Vinyl chloride	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
m,p-Xylene	ND	1.0	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
o-Xylene	ND	0.50	ug/L	1	11/05/2012	11/05/2012 17:55	EPA 8260B	
Surrogate: Dibromofluoromethane		89.7 %		93.8-116	11/05/2012	11/05/2012 17:55	EPA 8260B	S
Surrogate: Toluene-d8		98.4 %		94.9-106	11/05/2012	11/05/2012 17:55	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		98.4 %		91.9-110	11/05/2012	11/05/2012 17:55	EPA 8260B	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211010

Acenaphthene	ND	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	
Acenaphthylene	ND	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	
Anthracene	ND	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	
Benzo (a) anthracene	ND	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	
Benzo (a) pyrene	ND	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	
Benzo (b) fluoranthene	ND	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	
Benzo (e) pyrene	ND	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	
Benzo (g,h,i) perylene	ND	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	



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Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-2
A124412-04 (Water)

Date Sampled
 11/01/2012 09:50

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211010

Benzo (k) fluoranthene	ND	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	
Chrysene	ND	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	
Dibenz (a,h) anthracene	ND	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	
Fluoranthene	0.019	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	
Fluorene	ND	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	
Indeno (1,2,3-cd) pyrene	ND	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	
Naphthalene	ND	0.052	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	
Phenanthrene	0.025	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	
Pyrene	0.012	0.010	ug/L	1	11/06/2012	11/14/2012 23:45	EPA 8270	

Surrogate: *p*-Terphenyl-*d*14

94.0 % 51.9-132 11/06/2012 11/14/2012 23:45 EPA 8270



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Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-3, 6-7'
A124412-05 (Soil)

Date Sampled
 11/01/2012 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211023

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Acetone	ND	1200	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Benzene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Bromobenzene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Bromochloromethane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Bromodichloromethane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Bromoform	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Bromomethane	ND	290	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	E1
2-Butanone	ND	1200	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
n-Butyl Benzene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
sec-Butyl Benzene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
tert-Butylbenzene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Carbon disulfide	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Carbon tetrachloride	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Chlorobenzene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Chloroethane	ND	290	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	E1
Chloroform	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Chloromethane	ND	58	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
2-Chlorotoluene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
4-Chlorotoluene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Dibromochloromethane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Dibromomethane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,2-Dichlorobenzene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,4-Dichlorobenzene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,3-Dichlorobenzene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Dichlorodifluoromethane	35	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,1-Dichloroethane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,2-Dichloroethane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
trans-1,2-Dichloroethene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
cis-1,2-Dichloroethene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,1-Dichloroethene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
2,2-Dichloropropane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,2-Dichloropropane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,3-Dichloropropane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
cis-1,3-Dichloropropene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
trans-1,3-Dichloropropene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,1-Dichloropropene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Diisopropyl Ether	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Ethylbenzene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Hexachlorobutadiene	ND	120	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	



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SCS BT Squared, Inc
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Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-3, 6-7'
A124412-05 (Soil)

Date Sampled
 11/01/2012 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211023

n-Hexane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
2-Hexanone	ND	1200	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Isopropylbenzene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
p-Isopropyltoluene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Methylene chloride	ND	120	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
4-Methyl-2-pentanone	ND	1200	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Methyl t-Butyl Ether	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Naphthalene	ND	290	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
n-Propyl Benzene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Styrene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Tetrachloroethene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Tetrahydrofuran	ND	580	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Toluene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,2,3-Trichlorobenzene	ND	120	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,2,4-Trichlorobenzene	ND	120	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,1,1-Trichloroethane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,1,2-Trichloroethane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Trichloroethene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Trichlorofluoromethane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,2,3-Trichloropropane	ND	58	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,3,5-Trimethylbenzene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
1,2,4-Trimethylbenzene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Vinyl chloride	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
m,p-Xylene	ND	58	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
o-Xylene	ND	29	ug/kg dry	1	11/07/2012	11/07/2012 16:20	EPA 8260B	
Surrogate: Dibromofluoromethane		108 %	93.8-116		11/07/2012	11/07/2012 16:20	EPA 8260B	
Surrogate: Toluene-d8		97.4 %	94.9-106		11/07/2012	11/07/2012 16:20	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		98.0 %	91.9-110		11/07/2012	11/07/2012 16:20	EPA 8260B	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211003

Acenaphthene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	
Acenaphthylene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	
Anthracene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	
Benzo (a) anthracene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	
Benzo (a) pyrene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	
Benzo (b) fluoranthene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	
Benzo (e) pyrene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	
Benzo (g,h,i) perylene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	



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Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-3, 6-7'
A124412-05 (Soil)

Date Sampled
 11/01/2012 10:25

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211003

Benzo (k) fluoranthene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	
Chrysene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	
Dibenz (a,h) anthracene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	
Fluoranthene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	
Fluorene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	
Indeno (1,2,3-cd) pyrene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	
Naphthalene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	
Phenanthrene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	
Pyrene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 02:32	EPA 8270	

Surrogate: *p*-Terphenyl-*d*14

100 % 78.2-121 11/02/2012 11/15/2012 02:32 EPA 8270

Classical Chemistry Parameters

Preparation Batch: A211058

% Solids	97.4	0.00	% by Weight	1	11/15/2012	11/16/2012 11:00	SM 2540B	
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Pace Analytical

ASTM D2974-87

Preparation Batch: 115084

Percent Moisture	2.8	0.10	% dry	1	11/07/2012	11/07/2012 15:50	ASTM D2974-87	
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WI MOD DRO

Preparation Batch: 114873

Diesel Range Organics	ND	2.3	mg/kg dry	1	11/06/2012	11/07/2012 15:07	WI MOD DRO	
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2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
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SCS BT Squared, Inc
 2830 Dairy Drive
 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-4, 6-7'
A124412-06 (Soil)

Date Sampled
 11/01/2012 10:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211023

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Acetone	ND	1100	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Benzene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Bromobenzene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Bromochloromethane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Bromodichloromethane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Bromoform	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Bromomethane	ND	260	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	E1
2-Butanone	ND	1100	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
n-Butyl Benzene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
sec-Butyl Benzene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
tert-Butylbenzene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Carbon disulfide	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Carbon tetrachloride	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Chlorobenzene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Chloroethane	ND	260	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	E1
Chloroform	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Chloromethane	ND	53	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
2-Chlorotoluene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
4-Chlorotoluene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Dibromochloromethane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Dibromomethane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,2-Dichlorobenzene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,4-Dichlorobenzene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,3-Dichlorobenzene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Dichlorodifluoromethane	27	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,1-Dichloroethane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,2-Dichloroethane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
trans-1,2-Dichloroethene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
cis-1,2-Dichloroethene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,1-Dichloroethene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
2,2-Dichloropropane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,2-Dichloropropane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,3-Dichloropropane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
cis-1,3-Dichloropropene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
trans-1,3-Dichloropropene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,1-Dichloropropene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Diisopropyl Ether	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Ethylbenzene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Hexachlorobutadiene	ND	110	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	



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Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-4, 6-7'
A124412-06 (Soil)

Date Sampled
 11/01/2012 10:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211023

n-Hexane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
2-Hexanone	ND	1100	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Isopropylbenzene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
p-Isopropyltoluene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
4-Methyl-2-pentanone	ND	1100	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Methyl t-Butyl Ether	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Naphthalene	ND	260	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
n-Propyl Benzene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Styrene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Tetrachloroethene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Tetrahydrofuran	ND	530	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Toluene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,2,3-Trichlorobenzene	ND	110	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,2,4-Trichlorobenzene	ND	110	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,1,1-Trichloroethane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Trichloroethene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Trichlorofluoromethane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,2,3-Trichloropropane	ND	53	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
1,2,4-Trimethylbenzene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Vinyl chloride	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
m,p-Xylene	ND	53	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
o-Xylene	ND	26	ug/kg dry	1	11/07/2012	11/07/2012 16:49	EPA 8260B	
Surrogate: Dibromofluoromethane		105 %	93.8-116		11/07/2012	11/07/2012 16:49	EPA 8260B	
Surrogate: Toluene-d8		97.2 %	94.9-106		11/07/2012	11/07/2012 16:49	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		99.4 %	91.9-110		11/07/2012	11/07/2012 16:49	EPA 8260B	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211003

Acenaphthene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	
Acenaphthylene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	
Anthracene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	
Benzo (a) anthracene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	LC
Benzo (a) pyrene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	LC
Benzo (b) fluoranthene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	
Benzo (e) pyrene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	
Benzo (g,h,i) perylene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	



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 2830 Dairy Drive
 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-4, 6-7'
A124412-06 (Soil)

Date Sampled
 11/01/2012 10:40

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211003

Benzo (k) fluoranthene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	
Chrysene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	
Dibenz (a,h) anthracene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	LC
Fluoranthene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	
Fluorene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	
Indeno (1,2,3-cd) pyrene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	LC
Naphthalene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	
Phenanthrene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	
Pyrene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 05:51	EPA 8270	

Surrogate: *p*-Terphenyl-*d*14

100 % 78.2-121 11/02/2012 11/15/2012 05:51 EPA 8270

Classical Chemistry Parameters

Preparation Batch: A211058

% Solids	94.7	0.00	% by Weight	1	11/15/2012	11/16/2012 11:00	SM 2540B	
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Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-5, 6-7'
A124412-07 (Soil)

Date Sampled
 11/01/2012 11:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211023

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Acetone	ND	1300	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Benzene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Bromobenzene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Bromochloromethane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Bromodichloromethane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Bromoform	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Bromomethane	ND	330	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	E1
2-Butanone	ND	1300	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
n-Butyl Benzene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
sec-Butyl Benzene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
tert-Butylbenzene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Carbon disulfide	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Carbon tetrachloride	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Chlorobenzene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Chloroethane	ND	330	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	E1
Chloroform	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Chloromethane	ND	65	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
2-Chlorotoluene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
4-Chlorotoluene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Dibromochloromethane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Dibromomethane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,2-Dichlorobenzene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,4-Dichlorobenzene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,3-Dichlorobenzene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Dichlorodifluoromethane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,1-Dichloroethane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,2-Dichloroethane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
trans-1,2-Dichloroethene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
cis-1,2-Dichloroethene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,1-Dichloroethene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
2,2-Dichloropropane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,2-Dichloropropane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,3-Dichloropropane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
cis-1,3-Dichloropropene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
trans-1,3-Dichloropropene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,1-Dichloropropene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Diisopropyl Ether	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Ethylbenzene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Hexachlorobutadiene	ND	130	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	



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 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-5, 6-7'
A124412-07 (Soil)

Date Sampled
 11/01/2012 11:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211023

n-Hexane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
2-Hexanone	ND	1300	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Isopropylbenzene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
p-Isopropyltoluene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Methylene chloride	ND	130	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
4-Methyl-2-pentanone	ND	1300	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Methyl t-Butyl Ether	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Naphthalene	ND	330	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
n-Propyl Benzene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Styrene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Tetrachloroethene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Tetrahydrofuran	ND	650	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Toluene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,2,3-Trichlorobenzene	ND	130	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,2,4-Trichlorobenzene	ND	130	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,1,1-Trichloroethane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,1,2-Trichloroethane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Trichloroethene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Trichlorofluoromethane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,2,3-Trichloropropane	ND	65	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,3,5-Trimethylbenzene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
1,2,4-Trimethylbenzene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Vinyl chloride	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
m,p-Xylene	ND	65	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
o-Xylene	ND	33	ug/kg dry	1	11/07/2012	11/07/2012 17:18	EPA 8260B	
Surrogate: Dibromofluoromethane		95.6 %	93.8-116		11/07/2012	11/07/2012 17:18	EPA 8260B	
Surrogate: Toluene-d8		98.4 %	94.9-106		11/07/2012	11/07/2012 17:18	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		102 %	91.9-110		11/07/2012	11/07/2012 17:18	EPA 8260B	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211003

Acenaphthene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	
Acenaphthylene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	
Anthracene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	
Benzo (a) anthracene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	LC
Benzo (a) pyrene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	LC
Benzo (b) fluoranthene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	
Benzo (e) pyrene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	
Benzo (g,h,i) perylene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	



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SCS BT Squared, Inc
 2830 Dairy Drive
 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-5, 6-7'
A124412-07 (Soil)

Date Sampled
 11/01/2012 11:05

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211003

Benzo (k) fluoranthene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	
Chrysene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	
Dibenz (a,h) anthracene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	LC
Fluoranthene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	
Fluorene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	
Indeno (1,2,3-cd) pyrene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	LC
Naphthalene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	
Phenanthrene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	
Pyrene	ND	11	ug/kg dry	1	11/02/2012	11/15/2012 06:25	EPA 8270	

Surrogate: *p*-Terphenyl-*d*14

101 % 78.2-121 11/02/2012 11/15/2012 06:25 EPA 8270

Classical Chemistry Parameters

Preparation Batch: A211058

% Solids	91.2	0.00	% by Weight	1	11/15/2012	11/16/2012 11:00	SM 2540B	
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Pace Analytical

ASTM D2974-87

Preparation Batch: 115084

Percent Moisture	7.8	0.10	% dry	1	11/07/2012	11/07/2012 15:50	ASTM D2974-87	
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WI MOD DRO

Preparation Batch: 114873

Diesel Range Organics	ND	2.5	mg/kg dry	1	11/06/2012	11/07/2012 15:13	WI MOD DRO	
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SCS BT Squared, Inc
 2830 Dairy Drive
 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-6, 6-7'
A124412-08 (Soil)

Date Sampled
 11/01/2012 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211023

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Acetone	ND	1100	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Benzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Bromobenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Bromochloromethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Bromodichloromethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Bromoform	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Bromomethane	ND	270	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	E1
2-Butanone	ND	1100	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
n-Butyl Benzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
sec-Butyl Benzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
tert-Butylbenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Carbon disulfide	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Carbon tetrachloride	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Chlorobenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Chloroethane	ND	270	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	E1
Chloroform	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Chloromethane	ND	54	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
2-Chlorotoluene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
4-Chlorotoluene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Dibromochloromethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Dibromomethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,2-Dichlorobenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,4-Dichlorobenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,3-Dichlorobenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Dichlorodifluoromethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,1-Dichloroethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,2-Dichloroethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
trans-1,2-Dichloroethene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
cis-1,2-Dichloroethene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,1-Dichloroethene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
2,2-Dichloropropane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,2-Dichloropropane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,3-Dichloropropane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
cis-1,3-Dichloropropene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
trans-1,3-Dichloropropene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,1-Dichloropropene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Diisopropyl Ether	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Ethylbenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Hexachlorobutadiene	ND	110	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	



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Project: Ideal Properties - Madison, WI
Project Number: 25212281
Project Manager: Chris Valcheff

Reported:
11/19/2012

B-6, 6-7'
A124412-08 (Soil)

Date Sampled
11/01/2012 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch: A211023

n-Hexane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
2-Hexanone	ND	1100	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Isopropylbenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
p-Isopropyltoluene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Methylene chloride	ND	110	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
4-Methyl-2-pentanone	ND	1100	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Methyl t-Butyl Ether	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Naphthalene	ND	270	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
n-Propyl Benzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Styrene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Tetrachloroethene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Tetrahydrofuran	ND	540	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Toluene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,2,3-Trichlorobenzene	ND	110	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,2,4-Trichlorobenzene	ND	110	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,1,1-Trichloroethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,1,2-Trichloroethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Trichloroethene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Trichlorofluoromethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,2,3-Trichloropropane	ND	54	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,3,5-Trimethylbenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
1,2,4-Trimethylbenzene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Vinyl chloride	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
m,p-Xylene	ND	54	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
o-Xylene	ND	27	ug/kg dry	1	11/07/2012	11/07/2012 17:46	EPA 8260B	
Surrogate: Dibromofluoromethane		106 %	93.8-116		11/07/2012	11/07/2012 17:46	EPA 8260B	
Surrogate: Toluene-d8		98.2 %	94.9-106		11/07/2012	11/07/2012 17:46	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		99.0 %	91.9-110		11/07/2012	11/07/2012 17:46	EPA 8260B	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211003

Acenaphthene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	
Acenaphthylene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	
Anthracene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	
Benzo (a) anthracene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	LC
Benzo (a) pyrene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	LC
Benzo (b) fluoranthene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	
Benzo (e) pyrene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	
Benzo (g,h,i) perylene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	



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 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

B-6, 6-7'
A124412-08 (Soil)

Date Sampled
 11/01/2012 11:30

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch: A211003

Benzo (k) fluoranthene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	
Chrysene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	
Dibenz (a,h) anthracene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	LC
Fluoranthene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	
Fluorene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	
Indeno (1,2,3-cd) pyrene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	LC
Naphthalene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	
Phenanthrene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	
Pyrene	ND	10	ug/kg dry	1	11/02/2012	11/15/2012 06:58	EPA 8270	

Surrogate: *p*-Terphenyl-*d*14

101 % 78.2-121 11/02/2012 11/15/2012 06:58 EPA 8270

Classical Chemistry Parameters

Preparation Batch: A211058

% Solids	96.5	0.00	% by Weight	1	11/15/2012	11/16/2012 11:00	SM 2540B	
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Pace Analytical

ASTM D2974-87

Preparation Batch: 115084

Percent Moisture	3.6	0.10	% dry	1	11/07/2012	11/07/2012 15:50	ASTM D2974-87	
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WI MOD DRO

Preparation Batch: 114873

Diesel Range Organics	ND	2.2	mg/kg dry	1	11/06/2012	11/07/2012 15:19	WI MOD DRO	
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SCS BT Squared, Inc
 2830 Dairy Drive
 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control
ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211008 - EPA 5030B

Blank (A211008-BLK1)

Prepared: 11/05/2012 Analyzed: 11/05/2012 19:51

Acetone	ND	1000	ug/L							
Benzene	ND	25	ug/L							
Bromobenzene	ND	25	ug/L							
Bromochloromethane	ND	25	ug/L							
Bromodichloromethane	ND	25	ug/L							
Bromoform	ND	25	ug/L							
Bromomethane	ND	250	ug/L							
2-Butanone	ND	1000	ug/L							
n-Butyl Benzene	ND	25	ug/L							
sec-Butyl Benzene	ND	25	ug/L							
tert-Butylbenzene	ND	25	ug/L							
Carbon disulfide	ND	25	ug/L							
Carbon tetrachloride	ND	25	ug/L							
Chlorobenzene	ND	25	ug/L							
Chloroethane	ND	250	ug/L							
Chloroform	ND	25	ug/L							
Chloromethane	ND	50	ug/L							
2-Chlorotoluene	ND	25	ug/L							
4-Chlorotoluene	ND	25	ug/L							
1,2-Dibromo-3-chloropropane	ND	25	ug/L							
Dibromochloromethane	ND	25	ug/L							
1,2-Dibromoethane (EDB)	ND	25	ug/L							
Dibromomethane	ND	25	ug/L							
1,2-Dichlorobenzene	ND	25	ug/L							
1,4-Dichlorobenzene	ND	25	ug/L							
1,3-Dichlorobenzene	ND	25	ug/L							
Dichlorodifluoromethane	ND	25	ug/L							
1,1-Dichloroethane	ND	25	ug/L							
1,2-Dichloroethane	ND	25	ug/L							
trans-1,2-Dichloroethene	ND	25	ug/L							
cis-1,2-Dichloroethene	ND	25	ug/L							
1,1-Dichloroethene	ND	25	ug/L							
2,2-Dichloropropane	ND	25	ug/L							
1,2-Dichloropropane	ND	25	ug/L							
1,3-Dichloropropane	ND	25	ug/L							
cis-1,3-Dichloropropene	ND	25	ug/L							
trans-1,3-Dichloropropene	ND	25	ug/L							
1,1-Dichloropropene	ND	25	ug/L							
Diisopropyl Ether	ND	25	ug/L							
Ethylbenzene	ND	25	ug/L							
Hexachlorobutadiene	ND	100	ug/L							
n-Hexane	ND	25	ug/L							
2-Hexanone	ND	1000	ug/L							
Isopropylbenzene	ND	25	ug/L							
p-Isopropyltoluene	ND	25	ug/L							



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 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
 11/19/2012

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211008 - EPA 5030B

Blank (A211008-BLK1)

Prepared: 11/05/2012 Analyzed: 11/05/2012 19:51

Methylene chloride	ND	100	ug/L							
4-Methyl-2-pentanone	ND	1000	ug/L							
Methyl t-Butyl Ether	ND	25	ug/L							
Naphthalene	ND	250	ug/L							
n-Propyl Benzene	ND	25	ug/L							
Styrene	ND	25	ug/L							
1,1,1,2-Tetrachloroethane	ND	25	ug/L							
1,1,2,2-Tetrachloroethane	ND	25	ug/L							
Tetrachloroethene	ND	25	ug/L							
Tetrahydrofuran	ND	500	ug/L							
Toluene	ND	25	ug/L							
1,2,3-Trichlorobenzene	ND	100	ug/L							
1,2,4-Trichlorobenzene	ND	100	ug/L							
1,1,1-Trichloroethane	ND	25	ug/L							
1,1,2-Trichloroethane	ND	25	ug/L							
Trichloroethene	ND	25	ug/L							
Trichlorofluoromethane	ND	25	ug/L							
1,2,3-Trichloropropane	ND	50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	25	ug/L							
1,3,5-Trimethylbenzene	ND	25	ug/L							
1,2,4-Trimethylbenzene	ND	25	ug/L							
Vinyl chloride	ND	25	ug/L							
m,p-Xylene	ND	50	ug/L							
o-Xylene	ND	25	ug/L							
<i>Surrogate: Dibromofluoromethane</i>	24.2		ug/L	25.00		96.7	93.8-116			
<i>Surrogate: Toluene-d8</i>	24.8		ug/L	25.00		99.2	94.9-106			
<i>Surrogate: 4-Bromofluorobenzene</i>	24.7		ug/L	25.00		98.6	91.9-110			

LCS (A211008-BS1)

Prepared: 11/05/2012 Analyzed: 11/05/2012 12:44

Acetone	53.0		ug/L	50.00		106	40.6-149			
Benzene	5.15		ug/L	5.000		103	72.3-124			
Bromobenzene	5.25		ug/L	5.000		105	70.6-121			
Bromochloromethane	5.20		ug/L	5.000		104	65.5-120			
Bromodichloromethane	4.72		ug/L	5.000		94.4	71.6-128			
Bromoform	4.43		ug/L	5.000		88.6	65.1-117			
Bromomethane	33.4		ug/L	5.000		668	16.7-169			
2-Butanone	45.9		ug/L	50.00		91.7	62.9-130			
n-Butyl Benzene	6.19		ug/L	5.000		124	67.4-133			
sec-Butyl Benzene	6.05		ug/L	5.000		121	68-131			
tert-Butylbenzene	5.97		ug/L	5.000		119	71.7-120			
Carbon disulfide	5.67		ug/L	5.000		113	60.4-119			
Carbon tetrachloride	5.30		ug/L	5.000		106	61.2-125			
Chlorobenzene	5.38		ug/L	5.000		108	73.3-119			
Chloroethane	0.620		ug/L	5.000		12.4	15.9-178			
Chloroform	5.33		ug/L	5.000		107	55.6-142			
Chloromethane	4.95		ug/L	5.000		99.0	42.7-160			



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2830 Dairy Drive
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Project: Ideal Properties - Madison, WI
Project Number: 25212281
Project Manager: Chris Valcheff

Reported:
11/19/2012

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211008 - EPA 5030B

LCS (A211008-BS1)

Prepared: 11/05/2012 Analyzed: 11/05/2012 12:44

2-Chlorotoluene	5.75		ug/L	5.000		115	70.5-127			
4-Chlorotoluene	5.75		ug/L	5.000		115	65.1-134			
1,2-Dibromo-3-chloropropane	4.18		ug/L	5.000		83.6	49.9-137			
Dibromochloromethane	4.78		ug/L	5.000		95.6	66.7-123			
1,2-Dibromoethane (EDB)	5.17		ug/L	5.000		103	67.1-123			
Dibromomethane	5.28		ug/L	5.000		106	68.2-130			
1,2-Dichlorobenzene	5.50		ug/L	5.000		110	73.3-121			
1,4-Dichlorobenzene	5.57		ug/L	5.000		111	67.8-129			
1,3-Dichlorobenzene	5.41		ug/L	5.000		108	72.5-124			
Dichlorodifluoromethane	5.90		ug/L	5.000		118	23.9-139			
1,1-Dichloroethane	6.10		ug/L	5.000		122	55-144			
1,2-Dichloroethane	5.15		ug/L	5.000		103	60.6-147			
trans-1,2-Dichloroethene	5.31		ug/L	5.000		106	52-144			
cis-1,2-Dichloroethene	5.43		ug/L	5.000		109	57.8-136			
1,1-Dichloroethene	5.70		ug/L	5.000		114	25.1-168			
2,2-Dichloropropane	5.63		ug/L	5.000		113	45.9-147			
1,2-Dichloropropane	5.19		ug/L	5.000		104	69.2-129			
1,3-Dichloropropane	4.99		ug/L	5.000		99.8	69.2-125			
cis-1,3-Dichloropropene	5.17		ug/L	5.000		103	67.2-122			
trans-1,3-Dichloropropene	5.09		ug/L	5.000		102	59.3-133			
1,1-Dichloropropene	6.09		ug/L	5.000		122	64.5-131			
Diisopropyl Ether	4.84		ug/L	5.000		96.8	61.6-128			
Ethylbenzene	5.71		ug/L	5.000		114	78.6-124			
Hexachlorobutadiene	4.95		ug/L	5.000		99.0	67.9-123			
n-Hexane	5.67		ug/L	5.000		113	46.1-149			
2-Hexanone	50.8		ug/L	50.00		102	67.8-128			
Isopropylbenzene	5.65		ug/L	5.000		113	73.4-119			
p-Isopropyltoluene	5.85		ug/L	5.000		117	71.1-122			
Methylene chloride	5.04		ug/L	5.000		101	62.7-121			
4-Methyl-2-pentanone	46.9		ug/L	50.00		93.8	75.1-130			
Methyl t-Butyl Ether	4.94		ug/L	5.000		98.8	57.5-139			
Naphthalene	4.60		ug/L	5.000		92.0	75-114			
n-Propyl Benzene	5.96		ug/L	5.000		119	65.7-136			
Styrene	5.30		ug/L	5.000		106	73.2-118			
1,1,1,2-Tetrachloroethane	5.12		ug/L	5.000		102	65.5-126			
1,1,2,2-Tetrachloroethane	5.26		ug/L	5.000		105	44.5-132			
Tetrachloroethene	5.79		ug/L	5.000		116	62.1-136			
Tetrahydrofuran	24.1		ug/L	25.00		96.3	62.7-124			
Toluene	5.29		ug/L	5.000		106	79.7-119			
1,2,3-Trichlorobenzene	4.91		ug/L	5.000		98.2	71-121			
1,2,4-Trichlorobenzene	5.19		ug/L	5.000		104	71.2-119			
1,1,1-Trichloroethane	5.41		ug/L	5.000		108	58-141			
1,1,2-Trichloroethane	4.96		ug/L	5.000		99.2	67.6-124			
Trichloroethene	5.15		ug/L	5.000		103	70.2-130			
Trichlorofluoromethane	7.70		ug/L	5.000		154	50.8-137			
1,2,3-Trichloropropane	4.96		ug/L	5.000		99.2	62-124			



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211008 - EPA 5030B

LCS (A211008-BS1)

Prepared: 11/05/2012 Analyzed: 11/05/2012 12:44

1,1,2-Trichlorotrifluoroethane	5.61		ug/L	5.000		112	37.7-165			
1,3,5-Trimethylbenzene	5.73		ug/L	5.000		115	65.7-132			
1,2,4-Trimethylbenzene	5.71		ug/L	5.000		114	60.9-135			
Vinyl chloride	6.31		ug/L	5.000		126	41.5-142			
m,p-Xylene	11.3		ug/L	10.00		113	76.4-123			
o-Xylene	5.12		ug/L	5.000		102	77.1-117			
<i>Surrogate: Dibromofluoromethane</i>	27.3		ug/L	25.00		109	93.8-116			
<i>Surrogate: Toluene-d8</i>	24.9		ug/L	25.00		99.4	94.9-106			
<i>Surrogate: 4-Bromofluorobenzene</i>	25.3		ug/L	25.00		101	91.9-110			

Matrix Spike (A211008-MS1)

Source: A124415-02

Prepared: 11/05/2012 Analyzed: 11/05/2012 20:19

Acetone	47.4		ug/L	50.00	ND	94.8	80.7-148			
Benzene	5.06		ug/L	5.000	ND	101	71.2-129			
Bromobenzene	5.21		ug/L	5.000	ND	104	84.2-119			
Bromochloromethane	5.22		ug/L	5.000	ND	104	78.6-133			
Bromodichloromethane	4.46		ug/L	5.000	ND	89.2	85.6-122			
Bromoform	3.77		ug/L	5.000	ND	75.4	90-115			M
Bromomethane	4.60		ug/L	5.000	ND	92.0	42.1-191			
2-Butanone	45.2		ug/L	50.00	ND	90.4	77.3-139			
n-Butyl Benzene	6.01		ug/L	5.000	ND	120	85.1-116			M
sec-Butyl Benzene	5.96		ug/L	5.000	ND	119	87-114			M
tert-Butylbenzene	5.94		ug/L	5.000	ND	119	81-116			M
Carbon disulfide	5.06		ug/L	5.000	ND	101	66-130			
Carbon tetrachloride	4.83		ug/L	5.000	ND	96.6	62.9-157			
Chlorobenzene	5.32		ug/L	5.000	ND	106	78.1-127			
Chloroethane	5.61		ug/L	5.000	ND	112	50.8-198			
Chloroform	5.13		ug/L	5.000	ND	103	77.2-135			
Chloromethane	5.48		ug/L	5.000	0.160	106	56.5-154			
2-Chlorotoluene	5.83		ug/L	5.000	ND	117	84.1-122			
4-Chlorotoluene	5.77		ug/L	5.000	ND	115	86.4-115			
1,2-Dibromo-3-chloropropane	4.34		ug/L	5.000	ND	86.8	61.7-142			
Dibromochloromethane	4.31		ug/L	5.000	ND	86.2	81-117			
1,2-Dibromoethane (EDB)	5.05		ug/L	5.000	ND	101	82.8-124			
Dibromomethane	4.91		ug/L	5.000	ND	98.2	78.3-129			
1,2-Dichlorobenzene	5.28		ug/L	5.000	ND	106	87.8-117			
1,4-Dichlorobenzene	5.34		ug/L	5.000	ND	107	86.1-119			
1,3-Dichlorobenzene	5.32		ug/L	5.000	ND	106	88.3-114			
Dichlorodifluoromethane	5.57		ug/L	5.000	ND	111	44.3-175			
1,1-Dichloroethane	5.42		ug/L	5.000	ND	108	81.7-139			
1,2-Dichloroethane	5.11		ug/L	5.000	ND	102	71.7-142			
trans-1,2-Dichloroethene	5.21		ug/L	5.000	ND	104	52.3-166			
cis-1,2-Dichloroethene	5.37		ug/L	5.000	ND	107	56.5-155			
1,1-Dichloroethene	5.64		ug/L	5.000	ND	113	78.2-131			
2,2-Dichloropropane	5.18		ug/L	5.000	ND	104	68.6-130			
1,2-Dichloropropane	5.30		ug/L	5.000	ND	106	81-126			
1,3-Dichloropropane	5.00		ug/L	5.000	ND	100	84.5-122			



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 Project Number: 25212281
 Project Manager: Chris Valcheff

Reported:
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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211008 - EPA 5030B

Matrix Spike (A211008-MS1)	Source: A124415-02		Prepared: 11/05/2012 Analyzed: 11/05/2012 20:19							
cis-1,3-Dichloropropene	4.90	ug/L	5.000	ND	98.0	72.3-126				
trans-1,3-Dichloropropene	5.18	ug/L	5.000	ND	104	84.7-115				
1,1-Dichloropropene	5.63	ug/L	5.000	ND	113	65.4-143				
Diisopropyl Ether	4.70	ug/L	5.000	ND	94.0	83.1-120				
Ethylbenzene	5.65	ug/L	5.000	ND	113	70.4-132				
Hexachlorobutadiene	5.04	ug/L	5.000	ND	101	80.5-121				
n-Hexane	5.56	ug/L	5.000	0.140	108	82.6-119				
2-Hexanone	44.4	ug/L	50.00	ND	88.8	76.3-134				
Isopropylbenzene	5.68	ug/L	5.000	ND	114	90.6-111				M
p-Isopropyltoluene	5.80	ug/L	5.000	ND	116	80.6-122				
Methylene chloride	4.97	ug/L	5.000	ND	99.4	40.2-153				
4-Methyl-2-pentanone	45.8	ug/L	50.00	ND	91.6	82.6-129				
Methyl t-Butyl Ether	4.97	ug/L	5.000	ND	99.4	80.5-130				
Naphthalene	4.09	ug/L	5.000	0.230	77.2	42.9-153				
n-Propyl Benzene	5.95	ug/L	5.000	ND	119	83.1-117				M
Styrene	5.25	ug/L	5.000	ND	105	82.3-117				
1,1,1,2-Tetrachloroethane	4.85	ug/L	5.000	ND	97.0	81-121				
1,1,2,2-Tetrachloroethane	4.66	ug/L	5.000	ND	93.2	59.4-148				
Tetrachloroethene	5.45	ug/L	5.000	0.180	105	74.5-127				
Tetrahydrofuran	22.6	ug/L	25.00	ND	90.3	81.4-125				
Toluene	5.13	ug/L	5.000	0.130	100	76.4-121				
1,2,3-Trichlorobenzene	4.65	ug/L	5.000	ND	93.0	74.8-125				
1,2,4-Trichlorobenzene	5.10	ug/L	5.000	ND	102	84.8-119				
1,1,1-Trichloroethane	5.16	ug/L	5.000	ND	103	86.7-126				
1,1,2-Trichloroethane	4.75	ug/L	5.000	ND	95.0	89-122				
Trichloroethene	5.04	ug/L	5.000	ND	101	73.8-133				
Trichlorofluoromethane	6.11	ug/L	5.000	ND	122	56.5-168				
1,2,3-Trichloropropane	4.89	ug/L	5.000	ND	97.8	72.8-137				
1,1,2-Trichlorotrifluoroethane	5.53	ug/L	5.000	ND	111	58.7-157				
1,3,5-Trimethylbenzene	5.81	ug/L	5.000	ND	116	79.1-118				
1,2,4-Trimethylbenzene	5.75	ug/L	5.000	0.130	112	77.2-118				
Vinyl chloride	5.92	ug/L	5.000	ND	118	64.3-137				
m,p-Xylene	11.0	ug/L	10.00	0.100	109	83.3-117				
o-Xylene	5.27	ug/L	5.000	ND	105	11.6-167				
<i>Surrogate: Dibromofluoromethane</i>	25.3	ug/L	25.00		101	93.8-116				
<i>Surrogate: Toluene-d8</i>	25.0	ug/L	25.00		99.9	94.9-106				
<i>Surrogate: 4-Bromofluorobenzene</i>	25.4	ug/L	25.00		101	91.9-110				



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211008 - EPA 5030B

Matrix Spike Dup (A211008-MSD1)

Source: A124415-02

Prepared: 11/05/2012 Analyzed: 11/05/2012 20:48

Acetone	47.9		ug/L	50.00	ND	95.9	80.7-148	1.11	20	
Benzene	5.09		ug/L	5.000	ND	102	71.2-129	0.591	20	
Bromobenzene	4.86		ug/L	5.000	ND	97.2	84.2-119	6.95	20	
Bromochloromethane	4.85		ug/L	5.000	ND	97.0	78.6-133	7.35	20	
Bromodichloromethane	4.29		ug/L	5.000	ND	85.8	85.6-122	3.89	20	
Bromoform	3.92		ug/L	5.000	ND	78.4	90-115	3.90	20	M
Bromomethane	3.04		ug/L	5.000	ND	60.8	42.1-191	40.8	20	X
2-Butanone	45.6		ug/L	50.00	ND	91.2	77.3-139	0.925	20	
n-Butyl Benzene	5.92		ug/L	5.000	ND	118	85.1-116	1.51	20	M
sec-Butyl Benzene	6.02		ug/L	5.000	ND	120	87-114	1.00	20	M
tert-Butylbenzene	5.82		ug/L	5.000	ND	116	81-116	2.04	20	
Carbon disulfide	5.06		ug/L	5.000	ND	101	66-130	0.00	20	
Carbon tetrachloride	4.87		ug/L	5.000	ND	97.4	62.9-157	0.825	20	
Chlorobenzene	5.31		ug/L	5.000	ND	106	78.1-127	0.188	20	
Chloroethane	3.91		ug/L	5.000	ND	78.2	50.8-198	35.7	20	X
Chloroform	4.83		ug/L	5.000	ND	96.6	77.2-135	6.02	20	
Chloromethane	5.00		ug/L	5.000	0.160	96.8	56.5-154	9.45	20	
2-Chlorotoluene	5.69		ug/L	5.000	ND	114	84.1-122	2.43	20	
4-Chlorotoluene	5.66		ug/L	5.000	ND	113	86.4-115	1.92	20	
1,2-Dibromo-3-chloropropane	3.95		ug/L	5.000	ND	79.0	61.7-142	9.41	20	
Dibromochloromethane	4.32		ug/L	5.000	ND	86.4	81-117	0.232	20	
1,2-Dibromoethane (EDB)	4.76		ug/L	5.000	ND	95.2	82.8-124	5.91	20	
Dibromomethane	4.62		ug/L	5.000	ND	92.4	78.3-129	6.09	20	
1,2-Dichlorobenzene	5.26		ug/L	5.000	ND	105	87.8-117	0.380	20	
1,4-Dichlorobenzene	5.46		ug/L	5.000	ND	109	86.1-119	2.22	20	
1,3-Dichlorobenzene	5.19		ug/L	5.000	ND	104	88.3-114	2.47	20	
Dichlorodifluoromethane	5.40		ug/L	5.000	ND	108	44.3-175	3.10	20	
1,1-Dichloroethane	5.13		ug/L	5.000	ND	103	81.7-139	5.50	20	
1,2-Dichloroethane	4.96		ug/L	5.000	ND	99.2	71.7-142	2.98	20	
trans-1,2-Dichloroethene	5.28		ug/L	5.000	ND	106	52.3-166	1.33	20	
cis-1,2-Dichloroethene	5.00		ug/L	5.000	ND	100	56.5-155	7.14	20	
1,1-Dichloroethene	5.40		ug/L	5.000	ND	108	78.2-131	4.35	20	
2,2-Dichloropropane	5.13		ug/L	5.000	ND	103	68.6-130	0.970	20	
1,2-Dichloropropane	5.05		ug/L	5.000	ND	101	81-126	4.83	20	
1,3-Dichloropropane	4.94		ug/L	5.000	ND	98.8	84.5-122	1.21	20	
cis-1,3-Dichloropropene	4.82		ug/L	5.000	ND	96.4	72.3-126	1.65	20	
trans-1,3-Dichloropropene	4.98		ug/L	5.000	ND	99.6	84.7-115	3.94	20	
1,1-Dichloropropene	5.20		ug/L	5.000	ND	104	65.4-143	7.94	20	
Diisopropyl Ether	5.23		ug/L	5.000	ND	105	83.1-120	10.7	20	
Ethylbenzene	5.57		ug/L	5.000	ND	111	70.4-132	1.43	20	
Hexachlorobutadiene	5.14		ug/L	5.000	ND	103	80.5-121	1.96	20	
n-Hexane	5.93		ug/L	5.000	0.140	116	82.6-119	6.60	20	
2-Hexanone	47.4		ug/L	50.00	ND	94.9	76.3-134	6.62	20	
Isopropylbenzene	5.62		ug/L	5.000	ND	112	90.6-111	1.06	20	M
p-Isopropyltoluene	5.87		ug/L	5.000	ND	117	80.6-122	1.20	20	
Methylene chloride	4.75		ug/L	5.000	ND	95.0	40.2-153	4.53	20	



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211008 - EPA 5030B

Matrix Spike Dup (A211008-MSD1)

Source: A124415-02

Prepared: 11/05/2012 Analyzed: 11/05/2012 20:48

4-Methyl-2-pentanone	45.9		ug/L	50.00	ND	91.8	82.6-129	0.174	20	
Methyl t-Butyl Ether	5.01		ug/L	5.000	ND	100	80.5-130	0.802	20	
Naphthalene	4.12		ug/L	5.000	0.230	77.8	42.9-153	0.774	20	
n-Propyl Benzene	5.86		ug/L	5.000	ND	117	83.1-117	1.52	20	
Styrene	5.23		ug/L	5.000	ND	105	82.3-117	0.382	20	
1,1,1,2-Tetrachloroethane	4.77		ug/L	5.000	ND	95.4	81-121	1.66	20	
1,1,2,2-Tetrachloroethane	5.01		ug/L	5.000	ND	100	59.4-148	7.24	20	
Tetrachloroethene	5.36		ug/L	5.000	0.180	104	74.5-127	1.72	20	
Tetrahydrofuran	24.0		ug/L	25.00	ND	96.1	81.4-125	6.27	20	
Toluene	5.04		ug/L	5.000	0.130	98.2	76.4-121	1.82	20	
1,2,3-Trichlorobenzene	4.61		ug/L	5.000	ND	92.2	74.8-125	0.864	20	
1,2,4-Trichlorobenzene	5.11		ug/L	5.000	ND	102	84.8-119	0.196	20	
1,1,1-Trichloroethane	5.34		ug/L	5.000	ND	107	86.7-126	3.43	20	
1,1,2-Trichloroethane	4.68		ug/L	5.000	ND	93.6	89-122	1.48	20	
Trichloroethene	5.08		ug/L	5.000	ND	102	73.8-133	0.791	20	
Trichlorofluoromethane	5.49		ug/L	5.000	ND	110	56.5-168	10.7	20	
1,2,3-Trichloropropane	4.76		ug/L	5.000	ND	95.2	72.8-137	2.69	20	
1,1,2-Trichlorotrifluoroethane	5.61		ug/L	5.000	ND	112	58.7-157	1.44	20	
1,3,5-Trimethylbenzene	5.71		ug/L	5.000	ND	114	79.1-118	1.74	20	
1,2,4-Trimethylbenzene	5.79		ug/L	5.000	0.130	113	77.2-118	0.709	20	
Vinyl chloride	5.51		ug/L	5.000	ND	110	64.3-137	7.17	20	
m,p-Xylene	11.0		ug/L	10.00	0.100	109	83.3-117	0.0918	20	
o-Xylene	5.18		ug/L	5.000	ND	104	11.6-167	1.72	20	
Surrogate: Dibromofluoromethane	24.5		ug/L	25.00		97.8	93.8-116			
Surrogate: Toluene-d8	25.0		ug/L	25.00		99.9	94.9-106			
Surrogate: 4-Bromofluorobenzene	25.0		ug/L	25.00		100	91.9-110			



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Project: Ideal Properties - Madison, WI
Project Number: 25212281
Project Manager: Chris Valcheff

Reported:
11/19/2012

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211023 - EPA 5030B

Blank (A211023-BLK1)

Prepared: 11/07/2012 Analyzed: 11/07/2012 14:53

Acetone	ND	1000	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Bromobenzene	ND	25	ug/kg wet							
Bromochloromethane	ND	25	ug/kg wet							
Bromodichloromethane	ND	25	ug/kg wet							
Bromoform	ND	25	ug/kg wet							
Bromomethane	ND	250	ug/kg wet							
2-Butanone	ND	1000	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Carbon disulfide	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroethane	ND	250	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
1,2-Dibromo-3-chloropropane	ND	25	ug/kg wet							
Dibromochloromethane	ND	25	ug/kg wet							
1,2-Dibromoethane (EDB)	ND	25	ug/kg wet							
Dibromomethane	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
Dichlorodifluoromethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
2,2-Dichloropropane	ND	25	ug/kg wet							
1,2-Dichloropropane	ND	25	ug/kg wet							
1,3-Dichloropropane	ND	25	ug/kg wet							
cis-1,3-Dichloropropene	ND	25	ug/kg wet							
trans-1,3-Dichloropropene	ND	25	ug/kg wet							
1,1-Dichloropropene	ND	25	ug/kg wet							
Diisopropyl Ether	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Hexachlorobutadiene	ND	100	ug/kg wet							
n-Hexane	ND	25	ug/kg wet							
2-Hexanone	ND	1000	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							



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Reported:
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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211023 - EPA 5030B

Blank (A211023-BLK1)

Prepared: 11/07/2012 Analyzed: 11/07/2012 14:53

4-Methyl-2-pentanone	ND	1000	ug/kg wet							
Methyl t-Butyl Ether	ND	25	ug/kg wet							
Naphthalene	ND	250	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
1,1,1,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Tetrahydrofuran	ND	500	ug/kg wet							
Toluene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	100	ug/kg wet							
1,2,4-Trichlorobenzene	ND	100	ug/kg wet							
1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Trichlorofluoromethane	ND	25	ug/kg wet							
1,2,3-Trichloropropane	ND	50	ug/kg wet							
1,1,2-Trichlorotrifluoroethane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
<i>Surrogate: Dibromofluoromethane</i>	26.8		ug/L	25.00		107	93.8-116			
<i>Surrogate: Toluene-d8</i>	24.5		ug/L	25.00		97.9	94.9-106			
<i>Surrogate: 4-Bromofluorobenzene</i>	25.3		ug/L	25.00		101	91.9-110			

LCS (A211023-BS1)

Prepared: 11/07/2012 Analyzed: 11/07/2012 13:03

Acetone	32.4		ug/L	50.00		64.8	40.6-149			
Benzene	5.30		ug/L	5.000		106	72.3-124			
Bromobenzene	5.05		ug/L	5.000		101	70.6-121			
Bromochloromethane	4.69		ug/L	5.000		93.8	65.5-120			
Bromodichloromethane	4.57		ug/L	5.000		91.4	71.6-128			
Bromoform	3.61		ug/L	5.000		72.2	65.1-117			
Bromomethane	15.9		ug/L	5.000		318	16.7-169			
2-Butanone	44.4		ug/L	50.00		88.7	62.9-130			
n-Butyl Benzene	6.16		ug/L	5.000		123	67.4-133			
sec-Butyl Benzene	6.01		ug/L	5.000		120	68-131			
tert-Butylbenzene	5.85		ug/L	5.000		117	71.7-120			
Carbon disulfide	4.80		ug/L	5.000		96.0	60.4-119			
Carbon tetrachloride	5.02		ug/L	5.000		100	61.2-125			
Chlorobenzene	5.31		ug/L	5.000		106	73.3-119			
Chloroethane	4.21		ug/L	5.000		84.2	15.9-178			
Chloroform	4.80		ug/L	5.000		96.0	55.6-142			
Chloromethane	4.71		ug/L	5.000		94.2	42.7-160			
2-Chlorotoluene	5.86		ug/L	5.000		117	70.5-127			



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Project Number: 25212281
Project Manager: Chris Valcheff

Reported:
11/19/2012

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211023 - EPA 5030B

LCS (A211023-BS1)

Prepared: 11/07/2012 Analyzed: 11/07/2012 13:03

4-Chlorotoluene	5.95		ug/L	5.000		119	65.1-134			
1,2-Dibromo-3-chloropropane	3.86		ug/L	5.000		77.2	49.9-137			
Dibromochloromethane	4.21		ug/L	5.000		84.2	66.7-123			
1,2-Dibromoethane (EDB)	4.87		ug/L	5.000		97.4	67.1-123			
Dibromomethane	4.68		ug/L	5.000		93.6	68.2-130			
1,2-Dichlorobenzene	5.49		ug/L	5.000		110	73.3-121			
1,4-Dichlorobenzene	5.57		ug/L	5.000		111	67.8-129			
1,3-Dichlorobenzene	5.44		ug/L	5.000		109	72.5-124			
Dichlorodifluoromethane	5.41		ug/L	5.000		108	23.9-139			
1,1-Dichloroethane	5.18		ug/L	5.000		104	55-144			
1,2-Dichloroethane	5.12		ug/L	5.000		102	60.6-147			
trans-1,2-Dichloroethene	5.22		ug/L	5.000		104	52-144			
cis-1,2-Dichloroethene	4.85		ug/L	5.000		97.0	57.8-136			
1,1-Dichloroethene	5.40		ug/L	5.000		108	25.1-168			
2,2-Dichloropropane	5.61		ug/L	5.000		112	45.9-147			
1,2-Dichloropropane	5.35		ug/L	5.000		107	69.2-129			
1,3-Dichloropropane	4.95		ug/L	5.000		99.0	69.2-125			
cis-1,3-Dichloropropene	4.84		ug/L	5.000		96.8	67.2-122			
trans-1,3-Dichloropropene	5.13		ug/L	5.000		103	59.3-133			
1,1-Dichloropropene	6.01		ug/L	5.000		120	64.5-131			
Diisopropyl Ether	5.17		ug/L	5.000		103	61.6-128			
Ethylbenzene	5.76		ug/L	5.000		115	78.6-124			
Hexachlorobutadiene	5.10		ug/L	5.000		102	67.9-123			
n-Hexane	6.09		ug/L	5.000		122	46.1-149			
2-Hexanone	48.3		ug/L	50.00		96.6	67.8-128			
Isopropylbenzene	5.83		ug/L	5.000		117	73.4-119			
p-Isopropyltoluene	5.95		ug/L	5.000		119	71.1-122			
Methylene chloride	5.08		ug/L	5.000		102	62.7-121			
4-Methyl-2-pentanone	47.6		ug/L	50.00		95.1	75.1-130			
Methyl t-Butyl Ether	5.34		ug/L	5.000		107	57.5-139			
Naphthalene	4.51		ug/L	5.000		90.2	75-114			
n-Propyl Benzene	6.10		ug/L	5.000		122	65.7-136			
Styrene	5.01		ug/L	5.000		100	73.2-118			
1,1,1,2-Tetrachloroethane	4.81		ug/L	5.000		96.2	65.5-126			
1,1,2,2-Tetrachloroethane	5.00		ug/L	5.000		100	44.5-132			
Tetrachloroethene	5.55		ug/L	5.000		111	62.1-136			
Tetrahydrofuran	20.8		ug/L	25.00		83.2	62.7-124			
Toluene	5.39		ug/L	5.000		108	79.7-119			
1,2,3-Trichlorobenzene	4.71		ug/L	5.000		94.2	71-121			
1,2,4-Trichlorobenzene	5.08		ug/L	5.000		102	71.2-119			
1,1,1-Trichloroethane	5.52		ug/L	5.000		110	58-141			
1,1,2-Trichloroethane	4.73		ug/L	5.000		94.6	67.6-124			
Trichloroethene	4.97		ug/L	5.000		99.4	70.2-130			
Trichlorofluoromethane	4.89		ug/L	5.000		97.8	50.8-137			
1,2,3-Trichloropropane	5.40		ug/L	5.000		108	62-124			
1,1,2-Trichlorotrifluoroethane	6.21		ug/L	5.000		124	37.7-165			



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 Project Number: 25212281
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Reported:
 11/19/2012

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211023 - EPA 5030B

LCS (A211023-BS1)

Prepared: 11/07/2012 Analyzed: 11/07/2012 13:03

1,3,5-Trimethylbenzene	5.88		ug/L	5.000		118	65.7-132			
1,2,4-Trimethylbenzene	5.82		ug/L	5.000		116	60.9-135			
Vinyl chloride	5.32		ug/L	5.000		106	41.5-142			
m,p-Xylene	11.2		ug/L	10.00		112	76.4-123			
o-Xylene	5.20		ug/L	5.000		104	77.1-117			
<i>Surrogate: Dibromofluoromethane</i>	23.3		ug/L	25.00		93.1	93.8-116			S
<i>Surrogate: Toluene-d8</i>	24.9		ug/L	25.00		99.6	94.9-106			
<i>Surrogate: 4-Bromofluorobenzene</i>	25.3		ug/L	25.00		101	91.9-110			

Matrix Spike (A211023-MS1)

Source: A124412-01

Prepared: 11/07/2012 Analyzed: 11/07/2012 19:13

Acetone	68.0		ug/L	50.00	7.06	122	80.7-148			
Benzene	5.31		ug/L	5.000	0.0800	105	71.2-129			
Bromobenzene	5.11		ug/L	5.000	ND	102	84.2-119			
Bromochloromethane	5.56		ug/L	5.000	ND	111	78.6-133			
Bromodichloromethane	4.61		ug/L	5.000	ND	92.2	85.6-122			
Bromoform	4.05		ug/L	5.000	ND	81.0	90-115			M
Bromomethane	7.83		ug/L	5.000	ND	157	42.1-191			
2-Butanone	50.3		ug/L	50.00	ND	101	77.3-139			
n-Butyl Benzene	5.99		ug/L	5.000	ND	120	85.1-116			M
sec-Butyl Benzene	5.77		ug/L	5.000	ND	115	87-114			M
tert-Butylbenzene	5.62		ug/L	5.000	ND	112	81-116			
Carbon disulfide	4.75		ug/L	5.000	ND	95.0	66-130			
Carbon tetrachloride	5.00		ug/L	5.000	ND	100	62.9-157			
Chlorobenzene	5.40		ug/L	5.000	ND	108	78.1-127			
Chloroethane	5.57		ug/L	5.000	ND	111	50.8-198			
Chloroform	5.52		ug/L	5.000	ND	110	77.2-135			
Chloromethane	5.63		ug/L	5.000	ND	113	56.5-154			
2-Chlorotoluene	5.65		ug/L	5.000	ND	113	84.1-122			
4-Chlorotoluene	5.65		ug/L	5.000	ND	113	86.4-115			
1,2-Dibromo-3-chloropropane	3.69		ug/L	5.000	ND	73.8	61.7-142			
Dibromochloromethane	4.39		ug/L	5.000	ND	87.8	81-117			
1,2-Dibromoethane (EDB)	5.09		ug/L	5.000	ND	102	82.8-124			
Dibromomethane	5.00		ug/L	5.000	ND	100	78.3-129			
1,2-Dichlorobenzene	5.25		ug/L	5.000	ND	105	87.8-117			
1,4-Dichlorobenzene	5.24		ug/L	5.000	ND	105	86.1-119			
1,3-Dichlorobenzene	5.48		ug/L	5.000	ND	110	88.3-114			
Dichlorodifluoromethane	5.06		ug/L	5.000	0.680	87.6	44.3-175			
1,1-Dichloroethane	5.67		ug/L	5.000	ND	113	81.7-139			
1,2-Dichloroethane	5.72		ug/L	5.000	ND	114	71.7-142			
trans-1,2-Dichloroethene	5.28		ug/L	5.000	ND	106	52.3-166			
cis-1,2-Dichloroethene	5.46		ug/L	5.000	ND	109	56.5-155			
1,1-Dichloroethene	5.77		ug/L	5.000	ND	115	78.2-131			
2,2-Dichloropropane	5.42		ug/L	5.000	ND	108	68.6-130			
1,2-Dichloropropane	5.29		ug/L	5.000	ND	106	81-126			
1,3-Dichloropropane	4.99		ug/L	5.000	ND	99.8	84.5-122			
cis-1,3-Dichloropropene	4.93		ug/L	5.000	ND	98.6	72.3-126			



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211023 - EPA 5030B

Matrix Spike (A211023-MS1)

Source: A124412-01

Prepared: 11/07/2012 Analyzed: 11/07/2012 19:13

trans-1,3-Dichloropropene	5.10		ug/L	5.000	ND	102	84.7-115			
1,1-Dichloropropene	5.34		ug/L	5.000	ND	107	65.4-143			
Diisopropyl Ether	5.15		ug/L	5.000	ND	103	83.1-120			
Ethylbenzene	5.68		ug/L	5.000	ND	114	70.4-132			
Hexachlorobutadiene	5.28		ug/L	5.000	ND	106	80.5-121			
n-Hexane	5.66		ug/L	5.000	0.130	111	82.6-119			
2-Hexanone	47.6		ug/L	50.00	ND	95.2	76.3-134			
Isopropylbenzene	5.65		ug/L	5.000	ND	113	90.6-111			M
p-Isopropyltoluene	5.75		ug/L	5.000	ND	115	80.6-122			
Methylene chloride	5.56		ug/L	5.000	0.200	107	40.2-153			
4-Methyl-2-pentanone	49.3		ug/L	50.00	ND	98.6	82.6-129			
Methyl t-Butyl Ether	5.42		ug/L	5.000	ND	108	80.5-130			
Naphthalene	4.23		ug/L	5.000	0.480	75.0	42.9-153			
n-Propyl Benzene	5.73		ug/L	5.000	ND	115	83.1-117			
Styrene	5.16		ug/L	5.000	ND	103	82.3-117			
1,1,1,2-Tetrachloroethane	4.63		ug/L	5.000	ND	92.6	81-121			
1,1,2,2-Tetrachloroethane	4.92		ug/L	5.000	ND	98.4	59.4-148			
Tetrachloroethene	5.43		ug/L	5.000	0.130	106	74.5-127			
Tetrahydrofuran	26.2		ug/L	25.00	ND	105	81.4-125			
Toluene	5.32		ug/L	5.000	0.280	101	76.4-121			
1,2,3-Trichlorobenzene	4.97		ug/L	5.000	ND	99.4	74.8-125			
1,2,4-Trichlorobenzene	5.13		ug/L	5.000	ND	103	84.8-119			
1,1,1-Trichloroethane	5.35		ug/L	5.000	ND	107	86.7-126			
1,1,2-Trichloroethane	5.05		ug/L	5.000	ND	101	89-122			
Trichloroethene	5.10		ug/L	5.000	ND	102	73.8-133			
Trichlorofluoromethane	6.38		ug/L	5.000	ND	128	56.5-168			
1,2,3-Trichloropropane	5.12		ug/L	5.000	ND	102	72.8-137			
1,1,2-Trichlorotrifluoroethane	5.99		ug/L	5.000	ND	120	58.7-157			
1,3,5-Trimethylbenzene	5.73		ug/L	5.000	ND	115	79.1-118			
1,2,4-Trimethylbenzene	5.81		ug/L	5.000	ND	116	77.2-118			
Vinyl chloride	5.68		ug/L	5.000	ND	114	64.3-137			
m,p-Xylene	10.9		ug/L	10.00	0.140	108	83.3-117			
o-Xylene	5.30		ug/L	5.000	ND	106	11.6-167			
<i>Surrogate: Dibromofluoromethane</i>	27.6		ug/L	25.00		111	93.8-116			
<i>Surrogate: Toluene-d8</i>	25.3		ug/L	25.00		101	94.9-106			
<i>Surrogate: 4-Bromofluorobenzene</i>	26.0		ug/L	25.00		104	91.9-110			

Matrix Spike Dup (A211023-MSD1)

Source: A124412-01

Prepared: 11/07/2012 Analyzed: 11/07/2012 19:42

Acetone	59.8		ug/L	50.00	7.06	106	80.7-148	14.3	20	
Benzene	5.25		ug/L	5.000	0.0800	103	71.2-129	1.15	20	
Bromobenzene	4.88		ug/L	5.000	ND	97.6	84.2-119	4.60	20	
Bromochloromethane	5.43		ug/L	5.000	ND	109	78.6-133	2.37	20	
Bromodichloromethane	4.54		ug/L	5.000	ND	90.8	85.6-122	1.53	20	
Bromoform	3.91		ug/L	5.000	ND	78.2	90-115	3.52	20	M
Bromomethane	3.83		ug/L	5.000	ND	76.6	42.1-191	68.6	20	X
2-Butanone	47.4		ug/L	50.00	ND	94.9	77.3-139	5.91	20	



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Project: Ideal Properties - Madison, WI
Project Number: 25212281
Project Manager: Chris Valcheff

Reported:
11/19/2012

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211023 - EPA 5030B

Matrix Spike Dup (A211023-MSD1)

Source: A124412-01

Prepared: 11/07/2012 Analyzed: 11/07/2012 19:42

n-Butyl Benzene	5.83		ug/L	5.000	ND	117	85.1-116	2.71	20	M
sec-Butyl Benzene	5.88		ug/L	5.000	ND	118	87-114	1.89	20	M
tert-Butylbenzene	5.53		ug/L	5.000	ND	111	81-116	1.61	20	
Carbon disulfide	4.87		ug/L	5.000	ND	97.4	66-130	2.49	20	
Carbon tetrachloride	5.01		ug/L	5.000	ND	100	62.9-157	0.200	20	
Chlorobenzene	5.31		ug/L	5.000	ND	106	78.1-127	1.68	20	
Chloroethane	3.59		ug/L	5.000	ND	71.8	50.8-198	43.2	20	X
Chloroform	5.49		ug/L	5.000	ND	110	77.2-135	0.545	20	
Chloromethane	5.15		ug/L	5.000	ND	103	56.5-154	8.91	20	
2-Chlorotoluene	5.54		ug/L	5.000	ND	111	84.1-122	1.97	20	
4-Chlorotoluene	5.60		ug/L	5.000	ND	112	86.4-115	0.889	20	
1,2-Dibromo-3-chloropropane	3.84		ug/L	5.000	ND	76.8	61.7-142	3.98	20	
Dibromochloromethane	4.47		ug/L	5.000	ND	89.4	81-117	1.81	20	
1,2-Dibromoethane (EDB)	5.20		ug/L	5.000	ND	104	82.8-124	2.14	20	
Dibromomethane	4.98		ug/L	5.000	ND	99.6	78.3-129	0.401	20	
1,2-Dichlorobenzene	5.27		ug/L	5.000	ND	105	87.8-117	0.380	20	
1,4-Dichlorobenzene	5.44		ug/L	5.000	ND	109	86.1-119	3.75	20	
1,3-Dichlorobenzene	5.21		ug/L	5.000	ND	104	88.3-114	5.05	20	
Dichlorodifluoromethane	5.36		ug/L	5.000	0.680	93.6	44.3-175	6.62	20	
1,1-Dichloroethane	5.58		ug/L	5.000	ND	112	81.7-139	1.60	20	
1,2-Dichloroethane	5.45		ug/L	5.000	ND	109	71.7-142	4.83	20	
trans-1,2-Dichloroethene	5.62		ug/L	5.000	ND	112	52.3-166	6.24	20	
cis-1,2-Dichloroethene	5.31		ug/L	5.000	ND	106	56.5-155	2.79	20	
1,1-Dichloroethene	6.05		ug/L	5.000	ND	121	78.2-131	4.74	20	
2,2-Dichloropropane	5.42		ug/L	5.000	ND	108	68.6-130	0.00	20	
1,2-Dichloropropane	5.26		ug/L	5.000	ND	105	81-126	0.569	20	
1,3-Dichloropropane	5.00		ug/L	5.000	ND	100	84.5-122	0.200	20	
cis-1,3-Dichloropropene	4.75		ug/L	5.000	ND	95.0	72.3-126	3.72	20	
trans-1,3-Dichloropropene	5.02		ug/L	5.000	ND	100	84.7-115	1.58	20	
1,1-Dichloropropene	5.57		ug/L	5.000	ND	111	65.4-143	4.22	20	
Diisopropyl Ether	5.24		ug/L	5.000	ND	105	83.1-120	1.73	20	
Ethylbenzene	5.61		ug/L	5.000	ND	112	70.4-132	1.24	20	
Hexachlorobutadiene	5.15		ug/L	5.000	ND	103	80.5-121	2.49	20	
n-Hexane	5.72		ug/L	5.000	0.130	112	82.6-119	1.08	20	
2-Hexanone	46.3		ug/L	50.00	ND	92.6	76.3-134	2.77	20	
Isopropylbenzene	5.66		ug/L	5.000	ND	113	90.6-111	0.177	20	M
p-Isopropyltoluene	5.65		ug/L	5.000	ND	113	80.6-122	1.75	20	
Methylene chloride	5.23		ug/L	5.000	0.200	101	40.2-153	6.35	20	
4-Methyl-2-pentanone	47.1		ug/L	50.00	ND	94.1	82.6-129	4.63	20	
Methyl t-Butyl Ether	5.41		ug/L	5.000	ND	108	80.5-130	0.185	20	
Naphthalene	4.30		ug/L	5.000	0.480	76.4	42.9-153	1.85	20	
n-Propyl Benzene	5.70		ug/L	5.000	ND	114	83.1-117	0.525	20	
Styrene	5.01		ug/L	5.000	ND	100	82.3-117	2.95	20	
1,1,1,2-Tetrachloroethane	4.77		ug/L	5.000	ND	95.4	81-121	2.98	20	
1,1,2,2-Tetrachloroethane	4.93		ug/L	5.000	ND	98.6	59.4-148	0.203	20	
Tetrachloroethene	5.30		ug/L	5.000	0.130	103	74.5-127	2.48	20	



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Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211023 - EPA 5030B

Matrix Spike Dup (A211023-MSD1)

Source: A124412-01

Prepared: 11/07/2012 Analyzed: 11/07/2012 19:42

Tetrahydrofuran	25.2		ug/L	25.00	ND	101	81.4-125	3.96	20	
Toluene	5.29		ug/L	5.000	0.280	100	76.4-121	0.597	20	
1,2,3-Trichlorobenzene	5.05		ug/L	5.000	ND	101	74.8-125	1.60	20	
1,2,4-Trichlorobenzene	5.17		ug/L	5.000	ND	103	84.8-119	0.777	20	
1,1,1-Trichloroethane	5.62		ug/L	5.000	ND	112	86.7-126	4.92	20	
1,1,2-Trichloroethane	4.66		ug/L	5.000	ND	93.2	89-122	8.03	20	
Trichloroethene	5.02		ug/L	5.000	ND	100	73.8-133	1.58	20	
Trichlorofluoromethane	6.02		ug/L	5.000	ND	120	56.5-168	5.81	20	
1,2,3-Trichloropropane	4.98		ug/L	5.000	ND	99.6	72.8-137	2.77	20	
1,1,2-Trichlorotrifluoroethane	6.26		ug/L	5.000	ND	125	58.7-157	4.41	20	
1,3,5-Trimethylbenzene	5.60		ug/L	5.000	ND	112	79.1-118	2.29	20	
1,2,4-Trimethylbenzene	5.74		ug/L	5.000	ND	115	77.2-118	1.21	20	
Vinyl chloride	5.67		ug/L	5.000	ND	113	64.3-137	0.176	20	
m,p-Xylene	10.9		ug/L	10.00	0.140	108	83.3-117	0.186	20	
o-Xylene	5.35		ug/L	5.000	ND	107	11.6-167	0.939	20	
Surrogate: Dibromofluoromethane	27.4		ug/L	25.00		109	93.8-116			
Surrogate: Toluene-d8	24.8		ug/L	25.00		99.0	94.9-106			
Surrogate: 4-Bromofluorobenzene	25.7		ug/L	25.00		103	91.9-110			



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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211003 - EPA 3570

Blank (A211003-BLK1)

Prepared: 11/02/2012 Analyzed: 11/15/2012 00:19

Acenaphthene	ND	10	ug/kg wet							
Acenaphthylene	ND	10	ug/kg wet							
Anthracene	ND	10	ug/kg wet							
Benzo (a) anthracene	ND	10	ug/kg wet							
Benzo (a) pyrene	ND	10	ug/kg wet							
Benzo (b) fluoranthene	ND	10	ug/kg wet							
Benzo (e) pyrene	ND	10	ug/kg wet							
Benzo (g,h,i) perylene	ND	10	ug/kg wet							
Benzo (k) fluoranthene	ND	10	ug/kg wet							
Chrysene	ND	10	ug/kg wet							
Dibenz (a,h) anthracene	ND	10	ug/kg wet							
Fluoranthene	ND	10	ug/kg wet							
Fluorene	ND	10	ug/kg wet							
Indeno (1,2,3-cd) pyrene	ND	10	ug/kg wet							
Naphthalene	ND	10	ug/kg wet							
Phenanthrene	ND	10	ug/kg wet							
Pyrene	ND	10	ug/kg wet							

Surrogate: *p*-Terphenyl-*d*14

506 ug/kg wet 500.0 101 78.2-121

LCS (A211003-BS1)

Prepared: 11/02/2012 Analyzed: 11/15/2012 00:52

Acenaphthene	392	10	ug/kg wet	400.0		97.9	75.3-122			
Acenaphthylene	391	10	ug/kg wet	400.0		97.7	72.5-123			
Anthracene	375	10	ug/kg wet	400.0		93.6	78.7-112			
Benzo (a) anthracene	360	10	ug/kg wet	400.0		90.1	68.1-127			
Benzo (a) pyrene	379	10	ug/kg wet	400.0		94.6	60.8-135			
Benzo (b) fluoranthene	386	10	ug/kg wet	400.0		96.4	65.7-129			
Benzo (e) pyrene	377	10	ug/kg wet	400.0		94.2	68-128			
Benzo (g,h,i) perylene	371	10	ug/kg wet	400.0		92.8	68-124			
Benzo (k) fluoranthene	407	10	ug/kg wet	400.0		102	69.9-127			
Chrysene	378	10	ug/kg wet	400.0		94.4	68.6-129			
Dibenz (a,h) anthracene	366	10	ug/kg wet	400.0		91.6	67.8-123			
Fluoranthene	376	10	ug/kg wet	400.0		94.0	67.8-126			
Fluorene	385	10	ug/kg wet	400.0		96.3	74.9-121			
Indeno (1,2,3-cd) pyrene	361	10	ug/kg wet	400.0		90.1	65.7-123			
Naphthalene	403	10	ug/kg wet	400.0		101	72.6-125			
Phenanthrene	384	10	ug/kg wet	400.0		96.1	72.1-122			
Pyrene	375	10	ug/kg wet	400.0		93.6	66.8-128			

Surrogate: *p*-Terphenyl-*d*14

487 ug/kg wet 500.0 97.5 78.2-121



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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211003 - EPA 3570

Matrix Spike (A211003-MS1)

Source: A124412-05

Prepared: 11/02/2012 Analyzed: 11/15/2012 04:45

Acenaphthene	398	10	ug/kg dry	410.8	ND	96.9	61.4-132			
Acenaphthylene	397	10	ug/kg dry	410.8	ND	96.6	32.2-164			
Anthracene	366	10	ug/kg dry	410.8	ND	89.0	11.8-181			
Benzo (a) anthracene	357	10	ug/kg dry	410.8	ND	86.9	19.9-183			
Benzo (a) pyrene	379	10	ug/kg dry	410.8	ND	92.2	18.9-184			
Benzo (b) fluoranthene	396	10	ug/kg dry	410.8	ND	96.3	24-189			
Benzo (e) pyrene	380	10	ug/kg dry	410.8	ND	92.5	21.8-170			
Benzo (g,h,i) perylene	374	10	ug/kg dry	410.8	ND	91.1	14.3-181			
Benzo (k) fluoranthene	411	10	ug/kg dry	410.8	ND	100	12.3-176			
Chrysene	382	10	ug/kg dry	410.8	ND	93.1	12.7-192			
Dibenz (a,h) anthracene	366	10	ug/kg dry	410.8	ND	89.0	24.5-167			
Fluoranthene	381	10	ug/kg dry	410.8	ND	92.7	12.2-184			
Fluorene	388	10	ug/kg dry	410.8	ND	94.5	26.1-165			
Indeno (1,2,3-cd) pyrene	361	10	ug/kg dry	410.8	ND	87.9	22.7-168			
Naphthalene	420	10	ug/kg dry	410.8	ND	102	60.6-132			
Phenanthrene	384	10	ug/kg dry	410.8	ND	93.5	23-167			
Pyrene	376	10	ug/kg dry	410.8	ND	91.6	13.3-200			

Surrogate: *p*-Terphenyl-d14

488 ug/kg dry

513.5

95.1

78.2-121

Matrix Spike Dup (A211003-MSD1)

Source: A124412-05

Prepared: 11/02/2012 Analyzed: 11/15/2012 05:18

Acenaphthene	402	10	ug/kg dry	410.8	ND	97.9	61.4-132	1.05	20	
Acenaphthylene	397	10	ug/kg dry	410.8	ND	96.8	32.2-164	0.160	20	
Anthracene	370	10	ug/kg dry	410.8	ND	90.0	11.8-181	1.13	20	
Benzo (a) anthracene	358	10	ug/kg dry	410.8	ND	87.2	19.9-183	0.316	20	
Benzo (a) pyrene	379	10	ug/kg dry	410.8	ND	92.3	18.9-184	0.0813	20	
Benzo (b) fluoranthene	406	10	ug/kg dry	410.8	ND	98.8	24-189	2.53	20	
Benzo (e) pyrene	382	10	ug/kg dry	410.8	ND	92.9	21.8-170	0.442	20	
Benzo (g,h,i) perylene	376	10	ug/kg dry	410.8	ND	91.5	14.3-181	0.411	20	
Benzo (k) fluoranthene	408	10	ug/kg dry	410.8	ND	99.3	12.3-176	0.778	20	
Chrysene	382	10	ug/kg dry	410.8	ND	92.9	12.7-192	0.210	20	
Dibenz (a,h) anthracene	361	10	ug/kg dry	410.8	ND	88.0	24.5-167	1.17	20	
Fluoranthene	388	10	ug/kg dry	410.8	ND	94.5	12.2-184	1.85	20	
Fluorene	391	10	ug/kg dry	410.8	ND	95.1	26.1-165	0.628	20	
Indeno (1,2,3-cd) pyrene	367	10	ug/kg dry	410.8	ND	89.3	22.7-168	1.58	20	
Naphthalene	423	10	ug/kg dry	410.8	ND	103	60.6-132	0.711	20	
Phenanthrene	387	10	ug/kg dry	410.8	ND	94.2	23-167	0.719	20	
Pyrene	380	10	ug/kg dry	410.8	ND	92.5	13.3-200	1.05	20	

Surrogate: *p*-Terphenyl-d14

500

ug/kg dry

513.5

97.4

78.2-121



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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211010 - EPA 3510C MS

Blank (A211010-BLK1)

Prepared: 11/06/2012 Analyzed: 11/14/2012 21:32

Acenaphthene	ND	0.010	ug/L							
Acenaphthylene	ND	0.010	ug/L							
Anthracene	ND	0.010	ug/L							
Benzo (a) anthracene	ND	0.010	ug/L							
Benzo (a) pyrene	ND	0.010	ug/L							
Benzo (b) fluoranthene	ND	0.010	ug/L							
Benzo (e) pyrene	ND	0.010	ug/L							
Benzo (g,h,i) perylene	ND	0.010	ug/L							
Benzo (k) fluoranthene	ND	0.010	ug/L							
Chrysene	ND	0.010	ug/L							
Dibenz (a,h) anthracene	ND	0.010	ug/L							
Fluoranthene	ND	0.010	ug/L							
Fluorene	ND	0.010	ug/L							
Indeno (1,2,3-cd) pyrene	ND	0.010	ug/L							
Naphthalene	ND	0.050	ug/L							
Phenanthrene	ND	0.010	ug/L							
Pyrene	ND	0.010	ug/L							

Surrogate: *p*-Terphenyl-*d*14

0.458

ug/L

0.5000

91.5

51.9-132

LCS (A211010-BS1)

Prepared: 11/06/2012 Analyzed: 11/14/2012 22:06

Acenaphthene	0.238	0.010	ug/L	0.4000		59.5	53.2-102			
Acenaphthylene	0.257	0.010	ug/L	0.4000		64.1	55.9-102			
Anthracene	0.285	0.010	ug/L	0.4000		71.2	68.7-101			
Benzo (a) anthracene	0.363	0.010	ug/L	0.4000		90.9	70.2-113			
Benzo (a) pyrene	0.361	0.010	ug/L	0.4000		90.3	59.4-116			
Benzo (b) fluoranthene	0.382	0.010	ug/L	0.4000		95.5	68.3-114			
Benzo (e) pyrene	0.371	0.010	ug/L	0.4000		92.8	70-130			
Benzo (g,h,i) perylene	0.365	0.010	ug/L	0.4000		91.1	22.9-113			
Benzo (k) fluoranthene	0.384	0.010	ug/L	0.4000		95.9	61.5-118			
Chrysene	0.372	0.010	ug/L	0.4000		93.0	66.8-107			
Dibenz (a,h) anthracene	0.358	0.010	ug/L	0.4000		89.6	33.9-115			
Fluoranthene	0.360	0.010	ug/L	0.4000		90.0	76.3-111			
Fluorene	0.261	0.010	ug/L	0.4000		65.2	62.1-105			
Indeno (1,2,3-cd) pyrene	0.349	0.010	ug/L	0.4000		87.2	57.5-116			
Naphthalene	0.224	0.050	ug/L	0.4000		55.9	53.3-98.8			
Phenanthrene	0.300	0.010	ug/L	0.4000		75.1	71.4-105			
Pyrene	0.356	0.010	ug/L	0.4000		89.1	71.2-110			

Surrogate: *p*-Terphenyl-*d*14

0.484

ug/L

0.5000

96.7

51.9-132



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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A211010 - EPA 3510C MS

LCS Dup (A211010-BSD1)

Prepared: 11/06/2012 Analyzed: 11/14/2012 22:39

Acenaphthene	0.250	0.010	ug/L	0.4000		62.4	53.2-102	4.72	20	
Acenaphthylene	0.271	0.010	ug/L	0.4000		67.8	55.9-102	5.52	20	
Anthracene	0.291	0.010	ug/L	0.4000		72.8	68.7-101	2.24	20	
Benzo (a) anthracene	0.359	0.010	ug/L	0.4000		89.8	70.2-113	1.12	20	
Benzo (a) pyrene	0.367	0.010	ug/L	0.4000		91.7	59.4-116	1.51	20	
Benzo (b) fluoranthene	0.366	0.010	ug/L	0.4000		91.5	68.3-114	4.23	20	
Benzo (e) pyrene	0.382	0.010	ug/L	0.4000		95.4	70-130	2.82	20	
Benzo (g,h,i) perylene	0.367	0.010	ug/L	0.4000		91.7	22.9-113	0.574	20	
Benzo (k) fluoranthene	0.411	0.010	ug/L	0.4000		103	61.5-118	6.96	20	
Chrysene	0.377	0.010	ug/L	0.4000		94.3	66.8-107	1.31	20	
Dibenz (a,h) anthracene	0.355	0.010	ug/L	0.4000		88.6	33.9-115	1.09	20	
Fluoranthene	0.375	0.010	ug/L	0.4000		93.7	76.3-111	3.98	20	
Fluorene	0.273	0.010	ug/L	0.4000		68.3	62.1-105	4.62	20	
Indeno (1,2,3-cd) pyrene	0.344	0.010	ug/L	0.4000		86.0	57.5-116	1.39	20	
Naphthalene	0.233	0.050	ug/L	0.4000		58.2	53.3-98.8	4.03	20	
Phenanthrene	0.305	0.010	ug/L	0.4000		76.2	71.4-105	1.41	20	
Pyrene	0.374	0.010	ug/L	0.4000		93.5	71.2-110	4.91	20	
Surrogate: <i>p</i> -Terphenyl- <i>d</i> 14	0.487		ug/L	0.5000		97.4	51.9-132			



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

SCS BT Squared, Inc
2830 Dairy Drive
Madison WI, 53718

Project: Ideal Properties - Madison, WI
Project Number: 25212281
Project Manager: Chris Valcheff

Reported:
11/19/2012

Classical Chemistry Parameters - Quality Control

ECCS

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

Batch A211058 - % Solids

Duplicate (A211058-DUP1)

Source: A124412-01

Prepared: 11/15/2012 Analyzed: 11/16/2012 11:00

% Solids	96.0	0.00	% by Weight		95.8			0.264	20	
----------	------	------	-------------	--	------	--	--	-------	----	--



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

SCS BT Squared, Inc
2830 Dairy Drive
Madison WI, 53718

Project: Ideal Properties - Madison, WI
Project Number: 25212281
Project Manager: Chris Valcheff

Reported:
11/19/2012

Notes and Definitions

- X Precision for the matrix spike duplicate, laboratory control sample duplicate or lab duplicate was outside of control limits.
- S Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect.
- M The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
- LC Results may be biased low because of low continuing calibration verification (CCV).
- E1 Estimated value because of quality control sample exceedances.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference



**Environmental Chemistry
Consulting Services, Inc.**
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

Project Number: <u>25212281</u>				Lab Work Order #: <u>A124412</u>				Mail Report To: <u>Chris Valchett</u>				
Project Name: <u>Ideal Properties</u>				Analyses Requested				Company: <u>SCS BT Squared</u>				
Project Location: <u>Madison, WI</u>				Preservation Codes				Address: <u>2830 Dairy Dr.</u>				
Turn Around (circle one): <u>Normal</u> Rush				Matrix	Total # of Containers	VOC	PAM	DRO	VOC	E-mail Address: <u>cvalchett@scsengineers.com</u>		
If Rush, Report Due Date:										Invoice To:		
Sampled By (Print): <u>Meghan Blodgett</u>				Address:			Address:			Comments		
Sample Description	Collection		Matrix	Total # of Containers	VOC	PAM	DRO	VOC	Lab ID	Lab Receipt Time	Comments	
	Date	Time									Comments	Lab ID
B-1, 6'	11/1/12	0900	S	3	X	X	X		01		no Pb Pb, no	
B-1		0910	W	3	X	X		X	02		rush turn-around	
B-2, 6-7'		0945	S	3	X	X	X		03			
B-2		0950	W	3	X	X		X	04			
B-3, 6-7'		1025	S	3	X	X	X		05			
B-4, 6-7'		1040	S	3	X	X	X		06		* DRO analysis cancelled per client 11-02-12	
B-5, 6-7'		1105	S	3	X	X	X		07			
B-6, 6-7'		1130	S	3	X	X	X		08			
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <u>Meghan Blodgett</u>		Date: <u>11/1/12</u>	Time: <u>1729</u>	Received By: <u>[Signature]</u>		Date: <u>11-1-12</u>	Time: <u>1024</u>	
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: Present/Absent		Intact/Not Intact		Seal #s		Receipt Temp: <u>once @ 5:50</u>		
				Shipped Via: <u>Walk In</u>						Temp Blank <u>Y (N)</u>		

November 08, 2012

Jessica Esser
ECCS
2525 Advance Road
Madison, WI 53718

RE: Project: A124412 IDEAL PROPERTIES
Pace Project No.: 4069942

Dear Jessica Esser:

Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2012. 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,



Dan Milewsky

dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Jessica Esser, ECCS



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: A124412 IDEAL PROPERTIES

Pace Project No.: 4069942

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

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

REPORT OF LABORATORY ANALYSIS

Page 2 of 14

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SAMPLE SUMMARY

Project: A124412 IDEAL PROPERTIES

Pace Project No.: 4069942

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4069942001	A124412-01	Solid	11/01/12 09:00	11/02/12 09:20
4069942002	A124412-03	Solid	11/01/12 09:45	11/02/12 09:20
4069942003	A124412-05	Solid	11/01/12 10:25	11/02/12 09:20
4069942004	A124412-07	Solid	11/01/12 11:05	11/02/12 09:20
4069942005	A124412-08	Solid	11/01/12 11:30	11/02/12 09:20

REPORT OF LABORATORY ANALYSIS

Page 3 of 14

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SAMPLE ANALYTE COUNT

Project: A124412 IDEAL PROPERTIES

Pace Project No.: 4069942

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4069942001	A124412-01	WI MOD DRO	DAL	1
		ASTM D2974-87	KMF	1
4069942002	A124412-03	WI MOD DRO	DAL	1
		ASTM D2974-87	KMF	1
4069942003	A124412-05	WI MOD DRO	DAL	1
		ASTM D2974-87	KMF	1
4069942004	A124412-07	WI MOD DRO	DAL	1
		ASTM D2974-87	KMF	1
4069942005	A124412-08	WI MOD DRO	DAL	1
		ASTM D2974-87	KMF	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A124412 IDEAL PROPERTIES

Pace Project No.: 4069942

Sample: A124412-01 **Lab ID: 4069942001** Collected: 11/01/12 09:00 Received: 11/02/12 09:20 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	<1.2 mg/kg		2.5	1.2	1	11/06/12 04:22	11/07/12 14:55		
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	5.6 %		0.10	0.10	1		11/07/12 15:19		

ANALYTICAL RESULTS

Project: A124412 IDEAL PROPERTIES

Pace Project No.: 4069942

Sample: A124412-03 **Lab ID: 4069942002** Collected: 11/01/12 09:45 Received: 11/02/12 09:20 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	<1.1 mg/kg		2.2	1.1	1	11/06/12 04:22	11/07/12 15:01		
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	8.2 %		0.10	0.10	1		11/07/12 15:19		

ANALYTICAL RESULTS

Project: A124412 IDEAL PROPERTIES

Pace Project No.: 4069942

Sample: A124412-05 **Lab ID: 4069942003** Collected: 11/01/12 10:25 Received: 11/02/12 09:20 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	<1.2 mg/kg		2.3	1.2	1	11/06/12 04:22	11/07/12 15:07		
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	2.8 %		0.10	0.10	1		11/07/12 15:50		

ANALYTICAL RESULTS

Project: A124412 IDEAL PROPERTIES

Pace Project No.: 4069942

Sample: A124412-07 **Lab ID: 4069942004** Collected: 11/01/12 11:05 Received: 11/02/12 09:20 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	<1.2 mg/kg		2.5	1.2	1	11/06/12 04:22	11/07/12 15:13		
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.8 %		0.10	0.10	1		11/07/12 15:50		

ANALYTICAL RESULTS

Project: A124412 IDEAL PROPERTIES
Pace Project No.: 4069942

Sample: A124412-08 **Lab ID: 4069942005** Collected: 11/01/12 11:30 Received: 11/02/12 09:20 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	<1.1 mg/kg		2.2	1.1	1	11/06/12 04:22	11/07/12 15:19		
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	3.6 %		0.10	0.10	1		11/07/12 15:50		

QUALITY CONTROL DATA

Project: A124412 IDEAL PROPERTIES
Pace Project No.: 4069942

QC Batch: OEXT/16845 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 4069942001, 4069942002, 4069942003, 4069942004, 4069942005

METHOD BLANK: 706792 Matrix: Solid
Associated Lab Samples: 4069942001, 4069942002, 4069942003, 4069942004, 4069942005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	<0.99	2.0	11/07/12 14:03	

LABORATORY CONTROL SAMPLE & LCSD: 706793 706794

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	40	35.3	44.0	88	110	70-120	22	20	D6

QUALITY CONTROL DATA

Project: A124412 IDEAL PROPERTIES

Pace Project No.: 4069942

QC Batch: PMST/7871

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 4069942001, 4069942002

SAMPLE DUPLICATE: 708162

Parameter	Units	4069615002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.6	13.7	1	10	

QUALITY CONTROL DATA

Project: A124412 IDEAL PROPERTIES
Pace Project No.: 4069942

QC Batch: PMST/7873 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4069942003, 4069942004, 4069942005

SAMPLE DUPLICATE: 708189

Parameter	Units	4069942003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.8	2.9	4	10	

QUALIFIERS

Project: A124412 IDEAL PROPERTIES
Pace Project No.: 4069942

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

SG - Silica Gel - Clean-Up

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A124412 IDEAL PROPERTIES

Pace Project No.: 4069942

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4069942001	A124412-01	WI MOD DRO	OEXT/16845	WI MOD DRO	GCSV/8705
4069942002	A124412-03	WI MOD DRO	OEXT/16845	WI MOD DRO	GCSV/8705
4069942003	A124412-05	WI MOD DRO	OEXT/16845	WI MOD DRO	GCSV/8705
4069942004	A124412-07	WI MOD DRO	OEXT/16845	WI MOD DRO	GCSV/8705
4069942005	A124412-08	WI MOD DRO	OEXT/16845	WI MOD DRO	GCSV/8705
4069942001	A124412-01	ASTM D2974-87	PMST/7871		
4069942002	A124412-03	ASTM D2974-87	PMST/7871		
4069942003	A124412-05	ASTM D2974-87	PMST/7873		
4069942004	A124412-07	ASTM D2974-87	PMST/7873		
4069942005	A124412-08	ASTM D2974-87	PMST/7873		



SUBCONTRACT ORDER

ECCS

A124412

1/25

SENDING LABORATORY:

ECCS
2525 Advance Road
Madison, WI 53718
Phone: 608.221.8700
Fax: 608,221,4889
Project Manager: Jessica Esser

RECEIVING LABORATORY:

Pace Analytical
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone :(920) 469-2436
Fax: (920) 469-8827

Turn around Time: [X] Normal
[] Rush

Project Name: Ideal Properties - Madison, WI

Table with 5 rows of lab data. Columns: Lab ID, Sample Type, Sampled Time, Laboratory ID, Comments. Includes handwritten notes like '1-4ozp A, 1-2ozag' and 'No Sample Sent. Analysis on hold.'

Released By: Jessica Esser, Date: 11-01-12
Received By: Susan Kyle, Date: 11/2/12
Released By: Durham, Date: 11/2/12 0920
Received By: Pace, Date: 11/2/12 0920

4089942



Sample Condition Upon Receipt

Client Name: ECCS Project # 4069942

Courier: Fed Ex UPS USPS Client Commercial Pace Other Durham

Tracking #: 373508

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 SR49 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun.

Cooler Temperature 1°C 200 Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Temp should be above freezing to 6°C for all sample except Biota.
 Biota Samples should be received ≤ 0°C.

Person examining contents:
 Date: 11-2-12
 Initials: SKW

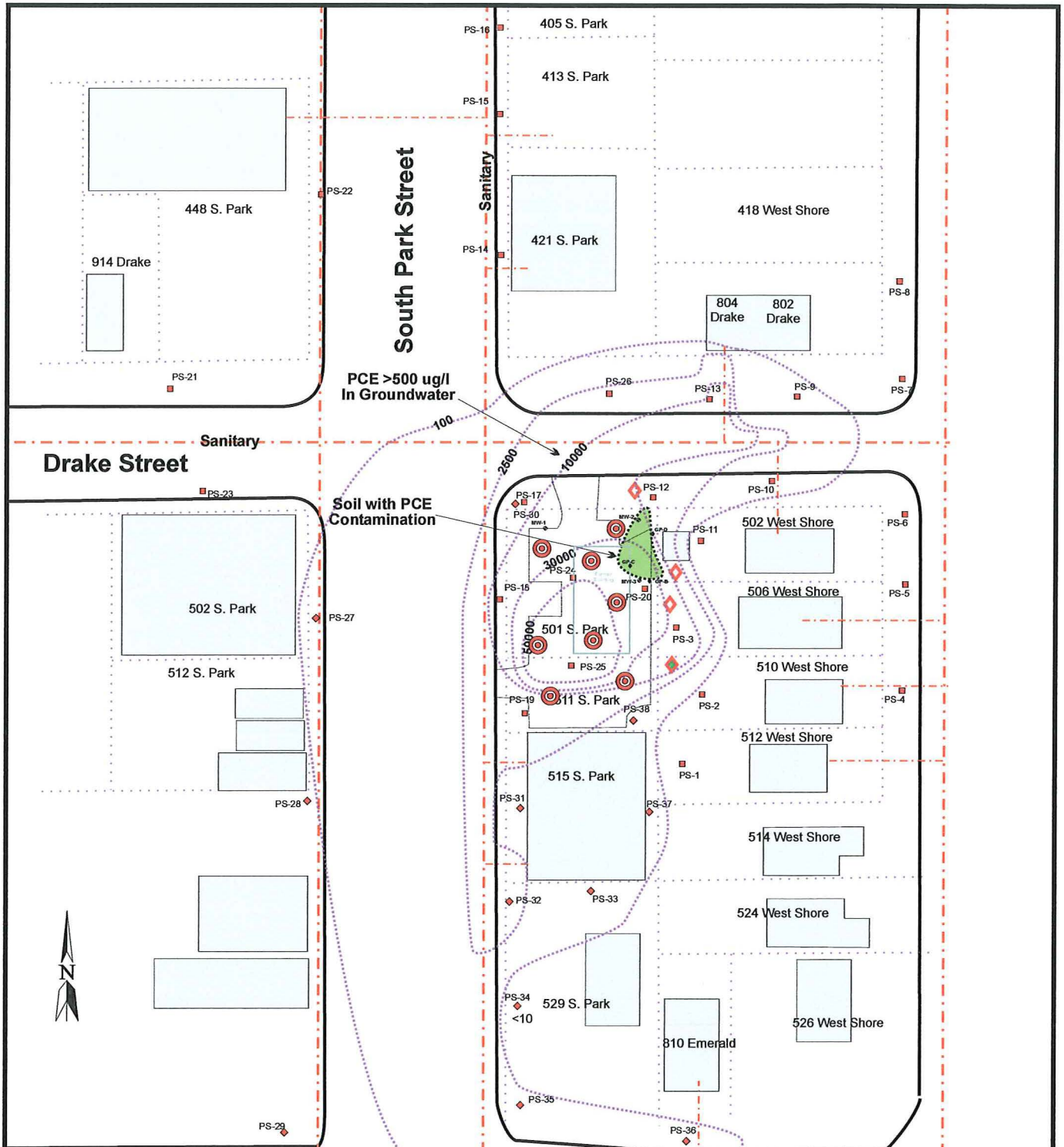
Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Not Pace, GB containers. 11/2/12 SKW
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ Field Data Required? Y / N
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

Project Manager Review: MAT for DM Date: 11-2-12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



LEGEND

- ◆ - Additional Hand Auger Samples
- ⊙ - Proposed Soil Samples
- ◇ - Approved Soil Samples
- PS-4 - Passive Gas Sample (July 2012)
- PS - Passive Gas Sample (March 2013)

0 80' 160'

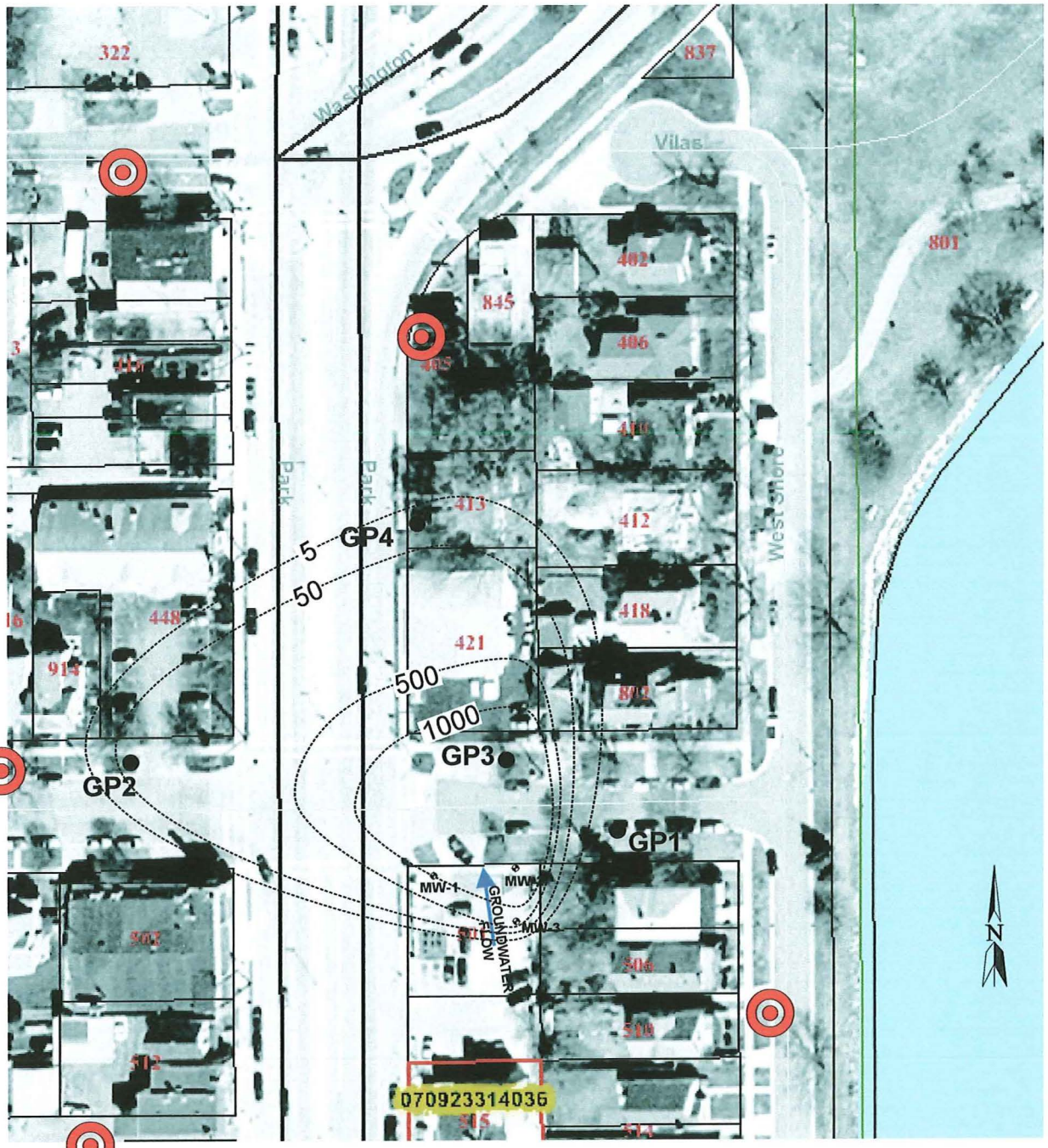
1 INCH = 80 FEET
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\LAHACIENDA\ VaporAssess\Fig1.cdr
 DATE: 4/10/2014
 PREPARED: MDF APPROVED:
 SOURCE: FIELD MEASUREMENTS

**SEYMOUR
ENVIRONMENTAL
SERVICES, INC.**

**PROPOSED SOIL DELIMITATION POINTS
LA HACIENDA RESTAURANT
501 South Park Street
Madison, Wisconsin**

**FIGURE
1**



LEGEND

- Proposed GW sampling (top of bedrock ~35 ft)
- GP-1** - Geoprobe

0 100' 200'

1 INCH = 100 FEET
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\LAHACIENDA\WP-10-08\Fig5-gprobes.cdr
 DATE: 10/29/2008
 PREPARED: MDF APPROVED:
 SOURCE: FIELD MEASUREMENTS

SEYMOUR
ENVIRONMENTAL
SERVICES, INC.

PROPOSED GROUNDWATER SAMPLE LOCATIONS
LA HACIENDA RESTAURANT
501 South Park Street
Madison, Wisconsin

FIGURE
2

SCS ENGINEERS

August 12, 2013
File No. 25212281.00

Mr. Wendell Wojner
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, Wisconsin, 53711

Subject: Excavation Summary
Ideal Properties Development
502 South Park Street, Madison, Wisconsin
BRRTS #07-13-560072

Dear Mr. Wojner:

SCS Engineers (SCS) has concluded the oversight of contaminated soils excavation at the above-referenced site. The Wisconsin Department of Natural Resources (WDNR) provided the property owner with a letter titled "Liability Clarification and Current Environmental Conditions at the Former Ideal Auto Body" on February 13, 2013. The excavation and soil disposal were performed in accordance with this letter. The letter stated that contaminated soils encountered during site work must be "analyzed, treated, stored and disposed of according to Department guidelines." This letter provides documentation to the WDNR of the proper management of contaminated soils completed at the subject site.

SCS collected two additional soil samples from the site to assist with profiling the contaminated soil for disposal at Waste Management's Madison Prairie Landfill in Sun Prairie, Wisconsin. These soil samples were analyzed for diesel range organics, volatile organic compounds, polynuclear aromatic hydrocarbons, polychlorinated biphenyls, and Resource Conservation and Recovery Act metals. A copy of the laboratory report and chain of custody documentation is included as **Attachment A**.

Contaminated soils were approved by Waste Management for disposal as daily cover under profile number DCV116312WI at Madison Prairie.

Ms. Meghan Blodgett of SCS oversaw the excavation of 1,344.28 tons of soil from the property between April 8 and April 9, 2013. Excavation activities were performed by Connery Construction of Cottage Grove, Wisconsin. The total excavation depth was approximately 5 to 8 feet below ground surface (bgs) and varied across the site based on the depth at which geotechnically suitable soils were encountered.

Excavated soils were transported to Waste Management's Madison Prairie Landfill in Sun Prairie, Wisconsin, for use as daily cover under profile #DCV116312WI. A summary of manifests is included on the attached **Table 1**.



Mr. Wendell Wojner
August 12, 2013
Page 2

All excavation activities at the site have been completed, and no additional soil was excavated or disposed of under profile #DCV116312WI.

Please contact us if you have any questions about soil excavation or disposal activities at the site. Thank you for your assistance with this project.

Sincerely,



Meghan Blodgett
Hydrogeologist
SCS ENGINEERS



Christopher H. Valcheff
Senior Project Manager
SCS ENGINEERS

MDB/jsn/CHV

cc: Craig Enzenroth, The Ideal, LLC

Enclosures: Table 1 – Summary of Disposal Manifests
Attachment A: Laboratory Report

I:\25212281\Reports\WDNR_excavation_Summary_130812.doc

TABLES

Table 1 – Summary of Disposal Manifests

Table 1
Summary of Disposal Manifests
Ideal Properties Development
502 South Park Street
Madison, Wisconsin
SCS Project No: 25212281.00

Date	Manifest #	Ticket #	Tons
4/9/2013	1728608	316961	20.13
4/9/2013	1728607	316960	19.79
4/9/2013	1728606	316958	19.76
4/9/2013	1728605	316957	21.51
4/9/2013	1728604	316956	21.82
4/9/2013	1728603	316955	23.05
4/9/2013	1728602	316954	24.91
4/9/2013	1728601	316953	20.01
4/9/2013	1728600	316951	19.84
4/9/2013	1728599	316950	19.12
4/9/2013	1728598	316949	21.75
4/9/2013	1728597	316948	22.33
4/9/2013	1728591	316947	22.51
4/9/2013	1728596	316946	18.45
4/9/2013	1728595	316945	19.7
4/9/2013	1728594	316943	22.28
4/9/2013	1728593	316942	20.07
4/9/2013	1728592	316941	21.49
4/9/2013	1728580	316939	18.96
4/9/2013	1728590	316938	18.69
4/9/2013	1728589	316936	21.01
4/9/2013	1728588	316935	18.4
4/9/2013	1728587	316934	22.55
4/9/2013	1728586	316933	22.62
4/9/2013	1728585	316929	18.16
4/9/2013	1728584	316928	18.19
4/9/2013	1728582	316926	17.53
4/9/2013	1728583	316927	21.4
4/9/2013	1728581	316925	20.71
4/9/2013	1728579	316924	21.7
4/8/2013	1728578	316922	19.64
4/8/2013	1728574	316921	20.68
4/8/2013	1728577	316920	18.25
4/8/2013	1728576	316919	23.34
4/8/2013	1728575	316918	24.05
4/8/2013	1728573	316915	20.12
4/8/2013	1728572	316914	20.68
4/8/2013	1728571	316913	19.67
4/8/2013	1728570	316912	25.35
4/8/2013	1728569	316910	23.3
4/8/2013	1728568	316909	24.24
4/8/2013	1728567	316908	20.13
4/8/2013	1728566	316907	19.15
4/8/2013	1728565	316905	17.97
4/8/2013	1728564	316904	21.59
4/8/2013	1728563	316903	22.73
4/8/2013	1728562	316902	22.79
4/8/2013	1728561	316901	19.63
4/8/2013	1728560	316900	20.38
4/8/2013	1728559	316899	18.94
4/8/2013	1728558	316898	22.32
4/8/2013	1728557	316897	23.18
4/8/2013	1728556	316896	23.07
4/8/2013	1728555	316893	19.29
4/8/2013	1728554	316892	18.73
4/8/2013	1728652	316894	21.38
4/8/2013	1728553	316890	17.31
4/8/2013	1728651	316888	22.04
4/8/2013	1728650	316887	21.9
4/8/2013	1728649	316885	17.83
4/8/2013	1728648	316884	18.16
4/8/2013	1728647	316883	17.08
4/8/2013	1728646	316882	19.17
4/8/2013	1728645	316881	20.71
4/8/2013	1728644	316879	21.04
			1344.28

ATTACHMENT A

Laboratory Report



2525 Advance Road
Madison, WI 53718
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608.221.4889 Fax

01 March 2013

Chris Valcheff
SCS Engineers
2830 Dairy Drive
Madison, WI 53718

RE: Ideal Properties - Madison, WI

Enclosed are the analytical results for the samples received by the laboratory on 02/15/2013.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
ILEPA	Illinois Secondary NELAP Accreditation	200062	04/30/2013
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2013
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2013
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2013
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2013



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
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SCS Engineers
2830 Dairy Drive
Madison WI, 53718

Project: Ideal Properties - Madison, WI
Project Number: 25212281.01
Project Manager: Chris Valcheff

Reported:
03/01/2013

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1	A130709-01	Soil	02/15/2013	02/15/2013
S-2	A130709-02	Soil	02/15/2013	02/15/2013
MeOH Blank	A130709-03	Soil	02/15/2013	02/15/2013

The E1 footnote on samples A130709-01 and A130709-03 indicates that there were quality control sample exceedances for 1,2-dibromo-3-chloropropane, bromoform, bromomethane and chloroethane. All four analytes failed initial calibration criteria. Bromomethane and chloroethane also had erratic continuing calibration verification (CCV) recoveries and had poor recoveries in blank spike and matrix spike/matrix spike duplicate samples. Bromomethane and chloroethane often exhibit poor quality control results for soil samples with methanol preservation.

CCV also indicates a potential high bias for vinyl chloride for samples A130709-01 and A130709-03. Samples were less than the reporting limit for this analyte so no further action is required.



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SCS Engineers
 2830 Dairy Drive
 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281.01
 Project Manager: Chris Valcheff

Reported:
 03/01/2013

S-1
A130709-01 (Soil)

Date Sampled
 02/15/2013 10:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch:A302086

PCB-1016	ND		0.12	mg/kg dry	1	02/18/2013	02/19/2013 01:11	EPA 8082	
PCB-1221	ND		0.12	mg/kg dry	1	02/18/2013	02/19/2013 01:11	EPA 8082	
PCB-1232	ND		0.12	mg/kg dry	1	02/18/2013	02/19/2013 01:11	EPA 8082	
PCB-1242	ND		0.12	mg/kg dry	1	02/18/2013	02/19/2013 01:11	EPA 8082	
PCB-1248	ND		0.12	mg/kg dry	1	02/18/2013	02/19/2013 01:11	EPA 8082	
PCB-1254	ND		0.12	mg/kg dry	1	02/18/2013	02/19/2013 01:11	EPA 8082	
PCB-1260	ND		0.12	mg/kg dry	1	02/18/2013	02/19/2013 01:11	EPA 8082	
Total PCBs	ND		0.12	mg/kg dry	1	02/18/2013	02/19/2013 01:11	EPA 8082	

Surrogate: Decachlorobiphenyl

96.8 % 81.7-160

02/18/2013 02/19/2013 01:11

EPA 8082

Surrogate: Tetrachloro-meta-xylene

97.9 % 80.6-148

02/18/2013 02/19/2013 01:11

EPA 8082

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch:A302138

Acetone	ND		1000	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
Benzene	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
Bromobenzene	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
Bromochloromethane	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
Bromodichloromethane	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
Bromoform	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	E1
Bromomethane	ND		260	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	E1
2-Butanone	ND		1000	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
n-Butyl Benzene	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
sec-Butyl Benzene	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
tert-Butylbenzene	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
Carbon disulfide	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
Carbon tetrachloride	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
Chlorobenzene	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
Chloroethane	ND		260	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	E1
Chloroform	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
Chloromethane	ND		52	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
2-Chlorotoluene	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
4-Chlorotoluene	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	E1
Dibromochloromethane	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
1,2-Dibromoethane (EDB)	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
Dibromomethane	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
1,2-Dichlorobenzene	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
1,4-Dichlorobenzene	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
1,3-Dichlorobenzene	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
Dichlorodifluoromethane	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	



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SCS Engineers
 2830 Dairy Drive
 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281.01
 Project Manager: Chris Valcheff

Reported:
 03/01/2013

S-1
A130709-01 (Soil)

Date Sampled
 02/15/2013 10:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch:A302138

1,1-Dichloroethane	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
1,2-Dichloroethane	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
trans-1,2-Dichloroethene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
cis-1,2-Dichloroethene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
1,1-Dichloroethene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
2,2-Dichloropropane	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
1,2-Dichloropropane	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
1,3-Dichloropropane	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
cis-1,3-Dichloropropene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
trans-1,3-Dichloropropene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
1,1-Dichloropropene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
Diisopropyl Ether	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
Ethylbenzene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
Hexachlorobutadiene	ND	100	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
n-Hexane	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
2-Hexanone	ND	1000	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
Isopropylbenzene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
p-Isopropyltoluene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
Methylene chloride	ND	100	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
4-Methyl-2-pentanone	ND	1000	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
Methyl t-Butyl Ether	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
Naphthalene	ND	260	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
n-Propyl Benzene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
Styrene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
1,1,1,2-Tetrachloroethane	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
1,1,2,2-Tetrachloroethane	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
Tetrachloroethene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
Tetrahydrofuran	ND	520	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
Toluene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
1,2,3-Trichlorobenzene	ND	100	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
1,2,4-Trichlorobenzene	ND	100	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
1,1,1-Trichloroethane	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
1,1,2-Trichloroethane	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
Trichloroethene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
Trichlorofluoromethane	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
1,2,3-Trichloropropane	ND	52	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
1,1,2-Trichlorotrifluoroethane	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
1,3,5-Trimethylbenzene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B
1,2,4-Trimethylbenzene	ND	26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B



2525 Advance Road
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608.221.8700 Phone
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SCS Engineers
2830 Dairy Drive
Madison WI, 53718

Project: Ideal Properties - Madison, WI
Project Number: 25212281.01
Project Manager: Chris Valcheff

Reported:
03/01/2013

S-1
A130709-01 (Soil)

Date Sampled
02/15/2013 10:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch:A302138

Vinyl chloride	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
m,p-Xylene	ND		52	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
o-Xylene	ND		26	ug/kg dry	1	02/25/2013	02/25/2013 22:01	EPA 8260B	
Surrogate: Dibromofluoromethane			102 %	80.4-125		02/25/2013	02/25/2013 22:01	EPA 8260B	
Surrogate: Toluene-d8			98.0 %	94.1-107		02/25/2013	02/25/2013 22:01	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			100 %	90.3-110		02/25/2013	02/25/2013 22:01	EPA 8260B	

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring

Preparation Batch:A302108

Acenaphthene	ND		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Acenaphthylene	24		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Anthracene	32		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Benzo (a) anthracene	61		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Benzo (a) pyrene	64		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Benzo (b) fluoranthene	72		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Benzo (e) pyrene	48		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Benzo (g,h,i) perylene	47		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Benzo (k) fluoranthene	45		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Chrysene	67		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Dibenz (a,h) anthracene	15		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Fluoranthene	120		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Fluorene	ND		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Indeno (1,2,3-cd) pyrene	51		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Naphthalene	ND		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Phenanthrene	37		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Pyrene	100		12	ug/kg dry	1	02/19/2013	02/22/2013 05:25	EPA 8270	
Surrogate: p-Terphenyl-d14			88.6 %	78.2-121		02/19/2013	02/22/2013 05:25	EPA 8270	

Classical Chemistry Parameters

Preparation Batch:A302087

% Solids	81.3		0.00	% by Weight	1	02/18/2013	02/19/2013 09:11	SM 2540B	
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Pace Analytical

EPA 6010

Preparation Batch:MPRP 8170

Arsenic	ND	0.12	0.25	mg/L	1	02/27/2013	02/27/2013 14:02	EPA 6010	
Barium	ND	1.2	2.5	mg/L	1	02/27/2013	02/27/2013 14:02	EPA 6010	
Cadmium	ND	0.0025	0.0050	mg/L	1	02/27/2013	02/27/2013 14:02	EPA 6010	
Chromium	ND	0.12	0.25	mg/L	1	02/27/2013	02/27/2013 14:02	EPA 6010	
Lead	ND	0.015	0.038	mg/L	1	02/27/2013	02/27/2013 14:02	EPA 6010	
Selenium	ND	0.12	0.25	mg/L	1	02/27/2013	02/27/2013 14:02	EPA 6010	



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SCS Engineers
2830 Dairy Drive
Madison WI, 53718

Project: Ideal Properties - Madison, WI
Project Number: 25212281.01
Project Manager: Chris Valcheff

Reported:
03/01/2013

S-1
A130709-01 (Soil)

Date Sampled
02/15/2013 10:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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Pace Analytical

EPA 6010

Preparation Batch:MPRP 8170

Silver	ND	0.12	0.25	mg/L	1	02/27/2013	02/27/2013 14:02	EPA 6010	
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EPA 7470

Preparation Batch:MERP 3521

Mercury	0.11	0.10	0.20	ug/L	1	02/25/2013	02/25/2013 15:56	EPA 7470	J
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SCS Engineers
 2830 Dairy Drive
 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281.01
 Project Manager: Chris Valcheff

Reported:
 03/01/2013

S-2
A130709-02 (Soil)

Date Sampled
 02/15/2013 10:35

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Polychlorinated Biphenyls by EPA Method 8082

Preparation Batch:A302086

PCB-1016	ND		0.13	mg/kg dry	1	02/18/2013	02/19/2013 01:38	EPA 8082	
PCB-1221	ND		0.13	mg/kg dry	1	02/18/2013	02/19/2013 01:38	EPA 8082	
PCB-1232	ND		0.13	mg/kg dry	1	02/18/2013	02/19/2013 01:38	EPA 8082	
PCB-1242	ND		0.13	mg/kg dry	1	02/18/2013	02/19/2013 01:38	EPA 8082	
PCB-1248	ND		0.13	mg/kg dry	1	02/18/2013	02/19/2013 01:38	EPA 8082	
PCB-1254	ND		0.13	mg/kg dry	1	02/18/2013	02/19/2013 01:38	EPA 8082	
PCB-1260	ND		0.13	mg/kg dry	1	02/18/2013	02/19/2013 01:38	EPA 8082	
Total PCBs	ND		0.13	mg/kg dry	1	02/18/2013	02/19/2013 01:38	EPA 8082	
Surrogate: Decachlorobiphenyl			89.6 %	81.7-160		02/18/2013	02/19/2013 01:38	EPA 8082	
Surrogate: Tetrachloro-meta-xylene			91.8 %	80.6-148		02/18/2013	02/19/2013 01:38	EPA 8082	

Classical Chemistry Parameters

Preparation Batch:A302087

% Solids	79.6		0.00	% by Weight	1	02/18/2013	02/19/2013 09:11	SM 2540B	
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Pace Analytical

EPA 6010

Preparation Batch:MPRP 8170

Arsenic	ND	0.12	0.25	mg/L	1	02/27/2013	02/27/2013 14:09	EPA 6010	
Barium	ND	1.2	2.5	mg/L	1	02/27/2013	02/27/2013 14:09	EPA 6010	
Cadmium	ND	0.0025	0.0050	mg/L	1	02/27/2013	02/27/2013 14:09	EPA 6010	
Chromium	ND	0.12	0.25	mg/L	1	02/27/2013	02/27/2013 14:09	EPA 6010	
Lead	ND	0.015	0.038	mg/L	1	02/27/2013	02/27/2013 14:09	EPA 6010	
Selenium	ND	0.12	0.25	mg/L	1	02/27/2013	02/27/2013 14:09	EPA 6010	
Silver	ND	0.12	0.25	mg/L	1	02/27/2013	02/27/2013 14:09	EPA 6010	

EPA 7470

Preparation Batch:MERP 3521

Mercury	ND	0.10	0.20	ug/L	1	02/25/2013	02/25/2013 15:59	EPA 7470	
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 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281.01
 Project Manager: Chris Valcheff

Reported:
 03/01/2013

MeOH Blank
A130709-03 (Soil)

Date Sampled
 02/15/2013 00:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch:A302138

Acetone	ND	1000	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
Benzene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
Bromobenzene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
Bromochloromethane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
Bromodichloromethane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
Bromoform	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	E1
Bromomethane	ND	250	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	E1
2-Butanone	ND	1000	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
n-Butyl Benzene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
sec-Butyl Benzene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
tert-Butylbenzene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
Carbon disulfide	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
Carbon tetrachloride	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
Chlorobenzene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
Chloroethane	ND	250	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	E1
Chloroform	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
Chloromethane	ND	50	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
2-Chlorotoluene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
4-Chlorotoluene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	E1
Dibromochloromethane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
Dibromomethane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
1,2-Dichlorobenzene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
1,4-Dichlorobenzene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
1,3-Dichlorobenzene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
Dichlorodifluoromethane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
1,1-Dichloroethane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
1,2-Dichloroethane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
trans-1,2-Dichloroethene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
1,1-Dichloroethene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
2,2-Dichloropropane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
1,2-Dichloropropane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
1,3-Dichloropropane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
cis-1,3-Dichloropropene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
trans-1,3-Dichloropropene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
1,1-Dichloropropene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	
Diisopropyl Ether	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B	



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Project: Ideal Properties - Madison, WI
 Project Number: 25212281.01
 Project Manager: Chris Valcheff

Reported:
 03/01/2013

MeOH Blank
A130709-03 (Soil)

Date Sampled
 02/15/2013 00:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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ECCS

Volatile Organic Compounds by Method 8260 - Purge and Trap

Preparation Batch:A302138

Ethylbenzene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
Hexachlorobutadiene	ND	100	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
n-Hexane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
2-Hexanone	ND	1000	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
Isopropylbenzene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
p-Isopropyltoluene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
Methylene chloride	ND	100	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
4-Methyl-2-pentanone	ND	1000	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
Methyl t-Butyl Ether	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
Naphthalene	ND	250	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
n-Propyl Benzene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
Styrene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
1,1,1,2-Tetrachloroethane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
Tetrachloroethene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
Tetrahydrofuran	ND	500	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
Toluene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
1,2,3-Trichlorobenzene	ND	100	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
1,2,4-Trichlorobenzene	ND	100	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
1,1,1-Trichloroethane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
1,1,2-Trichloroethane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
Trichloroethene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
Trichlorofluoromethane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
1,2,3-Trichloropropane	ND	50	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
1,1,2-Trichlorotrifluoroethane	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
1,3,5-Trimethylbenzene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
1,2,4-Trimethylbenzene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
Vinyl chloride	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
m,p-Xylene	ND	50	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
o-Xylene	ND	25	ug/kg wet	1	02/25/2013	02/25/2013 21:35	EPA 8260B
Surrogate: Dibromofluoromethane		100 %	80.4-125		02/25/2013	02/25/2013 21:35	EPA 8260B
Surrogate: Toluene-d8		99.7 %	94.1-107		02/25/2013	02/25/2013 21:35	EPA 8260B
Surrogate: 4-Bromofluorobenzene		97.3 %	90.3-110		02/25/2013	02/25/2013 21:35	EPA 8260B



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Project: Ideal Properties - Madison, WI
 Project Number: 25212281.01
 Project Manager: Chris Valcheff

Reported:
 03/01/2013

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control
ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A302086 - EPA 3570

Blank (A302086-BLK1)

Prepared: 02/18/2013 Analyzed: 02/19/2013 00:44

PCB-1016	ND	0.10	mg/kg wet							
PCB-1221	ND	0.10	mg/kg wet							
PCB-1232	ND	0.10	mg/kg wet							
PCB-1242	ND	0.10	mg/kg wet							
PCB-1248	ND	0.10	mg/kg wet							
PCB-1254	ND	0.10	mg/kg wet							
PCB-1260	ND	0.10	mg/kg wet							
Total PCBs	ND	0.10	mg/kg wet							
<i>Surrogate: Decachlorobiphenyl</i>	0.123		mg/kg wet	0.1200		102	81.7-160			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.125		mg/kg wet	0.1200		104	80.6-148			

LCS (A302086-BS1)

Prepared: 02/18/2013 Analyzed: 02/19/2013 00:16

PCB-1248	0.914	0.10	mg/kg wet	1.000		91.4	70-130			
<i>Surrogate: Decachlorobiphenyl</i>	0.105		mg/kg wet	0.1200		87.1	81.7-160			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.109		mg/kg wet	0.1200		91.2	80.6-148			

Matrix Spike (A302086-MS1)

Source: A130711-02

Prepared: 02/18/2013 Analyzed: 02/19/2013 02:59

PCB-1248	1.07	1.3	mg/kg dry	1.266	ND	84.7	60-140			D
PCB-1260	11.7	1.3	mg/kg dry		11.4		60-140			D
<i>Surrogate: Decachlorobiphenyl</i>	0.129		mg/kg dry	0.1519		84.6	81.7-160			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.131		mg/kg dry	0.1519		86.5	80.6-148			

Matrix Spike Dup (A302086-MSD1)

Source: A130711-02

Prepared: 02/18/2013 Analyzed: 02/19/2013 03:26

PCB-1248	1.13	1.3	mg/kg dry	1.266	ND	89.1	60-140	5.16	20	D
PCB-1260	12.7	1.3	mg/kg dry		11.4		60-140		20	D
<i>Surrogate: Decachlorobiphenyl</i>	0.130		mg/kg dry	0.1519		85.9	81.7-160			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.139		mg/kg dry	0.1519		91.3	80.6-148			



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Project: Ideal Properties - Madison, WI
Project Number: 25212281.01
Project Manager: Chris Valcheff

Reported:
03/01/2013

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control
ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A302138 - EPA 5030B

Blank (A302138-BLK1)

Prepared: 02/25/2013 Analyzed: 02/25/2013 18:55

Acetone	ND	1000	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Bromobenzene	ND	25	ug/kg wet							
Bromochloromethane	ND	25	ug/kg wet							
Bromodichloromethane	ND	25	ug/kg wet							
Bromoform	ND	25	ug/kg wet							
Bromomethane	ND	250	ug/kg wet							
2-Butanone	ND	1000	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Carbon disulfide	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroethane	ND	250	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
1,2-Dibromo-3-chloropropane	ND	25	ug/kg wet							
Dibromochloromethane	ND	25	ug/kg wet							
1,2-Dibromoethane (EDB)	ND	25	ug/kg wet							
Dibromomethane	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
Dichlorodifluoromethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
2,2-Dichloropropane	ND	25	ug/kg wet							
1,2-Dichloropropane	ND	25	ug/kg wet							
1,3-Dichloropropane	ND	25	ug/kg wet							
cis-1,3-Dichloropropene	ND	25	ug/kg wet							
trans-1,3-Dichloropropene	ND	25	ug/kg wet							
1,1-Dichloropropene	ND	25	ug/kg wet							
Diisopropyl Ether	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Hexachlorobutadiene	ND	100	ug/kg wet							
n-Hexane	ND	25	ug/kg wet							
2-Hexanone	ND	1000	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							



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Project: Ideal Properties - Madison, WI
 Project Number: 25212281.01
 Project Manager: Chris Valcheff

Reported:
 03/01/2013

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A302138 - EPA 5030B

Blank (A302138-BLK1)

Prepared: 02/25/2013 Analyzed: 02/25/2013 18:55

p-Isopropyltoluene	ND	25	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
4-Methyl-2-pentanone	ND	1000	ug/kg wet							
Methyl t-Butyl Ether	ND	25	ug/kg wet							
Naphthalene	ND	250	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
1,1,1,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Tetrahydrofuran	ND	500	ug/kg wet							
Toluene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	100	ug/kg wet							
1,2,4-Trichlorobenzene	ND	100	ug/kg wet							
1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Trichlorofluoromethane	ND	25	ug/kg wet							
1,2,3-Trichloropropane	ND	50	ug/kg wet							
1,1,2-Trichlorotrifluoroethane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
<i>Surrogate: Dibromofluoromethane</i>	25.2		ug/L	25.00		101	80.4-125			
<i>Surrogate: Toluene-d8</i>	24.5		ug/L	25.00		98.2	94.1-107			
<i>Surrogate: 4-Bromofluorobenzene</i>	24.7		ug/L	25.00		98.9	90.3-110			

LCS (A302138-BS1)

Prepared: 02/25/2013 Analyzed: 02/25/2013 19:22

Acetone	52.5		ug/L	50.00		105	46.4-160			
Benzene	5.16		ug/L	5.000		103	73.7-133			
Bromobenzene	5.25		ug/L	5.000		105	89-114			
Bromochloromethane	5.68		ug/L	5.000		114	77.3-135			
Bromodichloromethane	4.83		ug/L	5.000		96.6	71.9-126			
Bromoform	3.77		ug/L	5.000		75.4	58-129			
Bromomethane	0.920		ug/L	5.000		18.4	16.5-194			
2-Butanone	48.7		ug/L	50.00		97.4	70-131			
n-Butyl Benzene	5.22		ug/L	5.000		104	87.8-125			
sec-Butyl Benzene	5.43		ug/L	5.000		109	86.5-124			
tert-Butylbenzene	5.21		ug/L	5.000		104	86-122			
Carbon disulfide	4.83		ug/L	5.000		96.6	77.6-122			
Carbon tetrachloride	4.66		ug/L	5.000		93.2	79.7-115			
Chlorobenzene	5.08		ug/L	5.000		102	91.8-114			



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Project: Ideal Properties - Madison, WI
Project Number: 25212281.01
Project Manager: Chris Valcheff

Reported:
03/01/2013

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control
ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A302138 - EPA 5030B

LCS (A302138-BS1)

Prepared: 02/25/2013 Analyzed: 02/25/2013 19:22

Chloroethane	6.94		ug/L	5.000		139	30.5-198			
Chloroform	4.95		ug/L	5.000		99.0	78.1-130			
Chloromethane	4.80		ug/L	5.000		96.0	71.8-123			
2-Chlorotoluene	5.28		ug/L	5.000		106	94.9-114			
4-Chlorotoluene	5.28		ug/L	5.000		106	85.1-122			
1,2-Dibromo-3-chloropropane	4.18		ug/L	5.000		83.6	55.1-136			
Dibromochloromethane	4.74		ug/L	5.000		94.8	70.4-124			
1,2-Dibromoethane (EDB)	4.94		ug/L	5.000		98.8	83.4-125			
Dibromomethane	5.04		ug/L	5.000		101	79.6-124			
1,2-Dichlorobenzene	5.02		ug/L	5.000		100	93.3-115			
1,4-Dichlorobenzene	5.08		ug/L	5.000		102	83.4-121			
1,3-Dichlorobenzene	5.03		ug/L	5.000		101	92.6-115			
Dichlorodifluoromethane	5.16		ug/L	5.000		103	73.4-130			
1,1-Dichloroethane	5.19		ug/L	5.000		104	81.6-129			
1,2-Dichloroethane	5.11		ug/L	5.000		102	67.8-139			
trans-1,2-Dichloroethene	5.32		ug/L	5.000		106	85.2-123			
cis-1,2-Dichloroethene	5.20		ug/L	5.000		104	86-121			
1,1-Dichloroethene	5.36		ug/L	5.000		107	78.2-118			
2,2-Dichloropropane	4.82		ug/L	5.000		96.4	60.6-131			
1,2-Dichloropropane	4.96		ug/L	5.000		99.2	84.5-117			
1,3-Dichloropropane	5.08		ug/L	5.000		102	84.6-119			
cis-1,3-Dichloropropene	5.13		ug/L	5.000		103	77.3-124			
trans-1,3-Dichloropropene	4.92		ug/L	5.000		98.4	71.7-127			
1,1-Dichloropropene	4.60		ug/L	5.000		92.0	78.3-134			
Diisopropyl Ether	5.40		ug/L	5.000		108	81.8-124			
Ethylbenzene	5.03		ug/L	5.000		101	87.8-122			
Hexachlorobutadiene	5.04		ug/L	5.000		101	82.4-120			
n-Hexane	4.71		ug/L	5.000		94.2	77.5-125			
2-Hexanone	47.2		ug/L	50.00		94.3	73.5-126			
Isopropylbenzene	5.21		ug/L	5.000		104	88.7-122			
p-Isopropyltoluene	5.16		ug/L	5.000		103	89.1-124			
Methylene chloride	4.91		ug/L	5.000		98.2	70.6-131			
4-Methyl-2-pentanone	47.7		ug/L	50.00		95.4	75.5-127			
Methyl t-Butyl Ether	5.07		ug/L	5.000		101	75-131			
Naphthalene	4.56		ug/L	5.000		91.2	69.8-117			
n-Propyl Benzene	5.31		ug/L	5.000		106	80.7-127			
Styrene	5.17		ug/L	5.000		103	89.3-115			
1,1,1,2-Tetrachloroethane	4.97		ug/L	5.000		99.4	86.8-113			
1,1,2,2-Tetrachloroethane	5.13		ug/L	5.000		103	79.1-125			
Tetrachloroethene	4.97		ug/L	5.000		99.4	78.3-123			
Tetrahydrofuran	24.2		ug/L	25.00		96.8	62.7-143			
Toluene	4.90		ug/L	5.000		98.0	76.3-120			
1,2,3-Trichlorobenzene	4.78		ug/L	5.000		95.6	83-121			
1,2,4-Trichlorobenzene	4.73		ug/L	5.000		94.6	86.3-117			



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Project: Ideal Properties - Madison, WI
 Project Number: 25212281.01
 Project Manager: Chris Valcheff

Reported:
 03/01/2013

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control
ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A302138 - EPA 5030B

LCS (A302138-BS1)

Prepared: 02/25/2013 Analyzed: 02/25/2013 19:22

1,1,1-Trichloroethane	5.14		ug/L	5.000		103	84.6-121			
1,1,2-Trichloroethane	5.20		ug/L	5.000		104	83.4-120			
Trichloroethene	5.19		ug/L	5.000		104	85.4-117			
Trichlorofluoromethane	5.07		ug/L	5.000		101	48.3-162			
1,2,3-Trichloropropane	5.17		ug/L	5.000		103	74.3-125			
1,1,2-Trichlorotrifluoroethane	5.28		ug/L	5.000		106	75.6-132			
1,3,5-Trimethylbenzene	5.31		ug/L	5.000		106	88-122			
1,2,4-Trimethylbenzene	5.19		ug/L	5.000		104	83.2-122			
Vinyl chloride	5.79		ug/L	5.000		116	73.2-134			
m,p-Xylene	10.1		ug/L	10.00		101	89.8-118			
o-Xylene	4.87		ug/L	5.000		97.4	89.1-117			
<i>Surrogate: Dibromofluoromethane</i>	<i>25.4</i>		<i>ug/L</i>	<i>25.00</i>		<i>102</i>	<i>80.4-125</i>			
<i>Surrogate: Toluene-d8</i>	<i>24.6</i>		<i>ug/L</i>	<i>25.00</i>		<i>98.2</i>	<i>94.1-107</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>24.8</i>		<i>ug/L</i>	<i>25.00</i>		<i>99.2</i>	<i>90.3-110</i>			

Matrix Spike (A302138-MS1)

Source: A130214-20

Prepared: 02/25/2013 Analyzed: 02/25/2013 20:41

Acetone	51.5		ug/L	50.00	6.06	91.0	45.8-164			
Benzene	28.9		ug/L	5.000	24.4	90.2	73.7-131			
Bromobenzene	20.2		ug/L	5.000	15.4	96.2	85.2-120			
Bromochloromethane	5.37		ug/L	5.000	ND	107	74.1-139			
Bromodichloromethane	34.5		ug/L	5.000	28.5	120	73.5-124			
Bromoform	19.7		ug/L	5.000	15.2	91.0	61.1-131			
Bromomethane	62.2		ug/L	5.000	20.1	841	9.3-190			E, M
2-Butanone	50.9		ug/L	50.00	ND	102	66.8-143			
n-Butyl Benzene	16.5		ug/L	5.000	11.4	100	76.8-132			
sec-Butyl Benzene	5.34		ug/L	5.000	ND	107	94.1-120			
tert-Butylbenzene	5.12		ug/L	5.000	ND	102	82.7-129			
Carbon disulfide	20.7		ug/L	5.000	15.6	101	81.1-120			
Carbon tetrachloride	23.2		ug/L	5.000	18.6	92.2	71.6-131			
Chlorobenzene	25.0		ug/L	5.000	20.3	92.6	86.9-121			
Chloroethane	29.3		ug/L	5.000	23.3	119	6-181			
Chloroform	10.8		ug/L	5.000	5.94	97.2	65.2-143			
Chloromethane	21.3		ug/L	5.000	18.0	66.0	47.1-146			
2-Chlorotoluene	5.07		ug/L	5.000	ND	101	84.7-126			
4-Chlorotoluene	5.14		ug/L	5.000	ND	103	85.8-123			
1,2-Dibromo-3-chloropropane	18.5		ug/L	5.000	13.5	100	55.4-148			
Dibromochloromethane	20.6		ug/L	5.000	15.6	99.6	69.9-126			
1,2-Dibromoethane (EDB)	29.6		ug/L	5.000	25.3	86.6	78.2-133			
Dibromomethane	5.30		ug/L	5.000	ND	106	85.5-122			
1,2-Dichlorobenzene	13.2		ug/L	5.000	8.82	88.4	85.1-124			
1,4-Dichlorobenzene	10.5		ug/L	5.000	5.89	92.2	79.7-122			
1,3-Dichlorobenzene	27.2		ug/L	5.000	23.2	80.6	83.5-124			M
Dichlorodifluoromethane	22.6		ug/L	5.000	17.9	93.6	68.8-126			
1,1-Dichloroethane	20.3		ug/L	5.000	15.7	92.0	68.5-145			



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Project Number: 25212281.01
Project Manager: Chris Valcheff

Reported:
03/01/2013

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A302138 - EPA 5030B

Matrix Spike (A302138-MS1)	Source: A130214-20	Prepared: 02/25/2013		Analyzed: 02/25/2013 20:41		
1,2-Dichloroethane	23.6	ug/L	5.000	19.0	91.8	67.8-140
trans-1,2-Dichloroethene	22.5	ug/L	5.000	17.8	94.4	80.4-131
cis-1,2-Dichloroethene	14.2	ug/L	5.000	8.89	106	78.2-132
1,1-Dichloroethene	25.3	ug/L	5.000	20.6	95.8	67.9-130
2,2-Dichloropropane	4.72	ug/L	5.000	ND	94.4	59.4-124
1,2-Dichloropropane	19.3	ug/L	5.000	14.5	96.6	80.9-123
1,3-Dichloropropane	5.06	ug/L	5.000	ND	101	84.6-123
cis-1,3-Dichloropropene	5.46	ug/L	5.000	ND	109	74-131
trans-1,3-Dichloropropene	24.1	ug/L	5.000	19.1	99.8	67-137
1,1-Dichloropropene	4.88	ug/L	5.000	ND	97.6	82.4-131
Diisopropyl Ether	5.71	ug/L	5.000	ND	114	76.6-134
Ethylbenzene	28.4	ug/L	5.000	23.5	97.0	86.8-120
Hexachlorobutadiene	4.80	ug/L	5.000	ND	96.0	67.8-135
n-Hexane	4.68	ug/L	5.000	ND	93.6	69.5-128
2-Hexanone	46.3	ug/L	50.00	ND	92.6	71.6-134
Isopropylbenzene	5.21	ug/L	5.000	ND	104	83.8-128
p-Isopropyltoluene	13.9	ug/L	5.000	8.59	105	81.1-131
Methylene chloride	28.5	ug/L	5.000	24.2	86.0	70.3-133
4-Methyl-2-pentanone	47.1	ug/L	50.00	ND	94.1	80.7-125
Methyl t-Butyl Ether	34.6	ug/L	5.000	30.1	89.2	70.7-136
Naphthalene	4.60	ug/L	5.000	ND	92.0	57.6-136
n-Propyl Benzene	5.09	ug/L	5.000	ND	102	88.5-123
Styrene	27.1	ug/L	5.000	21.8	105	79.7-128
1,1,1,2-Tetrachloroethane	24.4	ug/L	5.000	19.0	107	77.8-127
1,1,2,2-Tetrachloroethane	14.3	ug/L	5.000	9.78	89.6	76.6-135
Tetrachloroethene	10.3	ug/L	5.000	5.60	93.6	75.6-123
Tetrahydrofuran	25.0	ug/L	25.00	ND	99.8	70.1-147
Toluene	27.0	ug/L	5.000	22.1	97.2	76.3-118
1,2,3-Trichlorobenzene	4.74	ug/L	5.000	ND	94.8	73.1-130
1,2,4-Trichlorobenzene	15.4	ug/L	5.000	11.2	83.6	72-131
1,1,1-Trichloroethane	27.0	ug/L	5.000	21.9	103	83-127
1,1,2-Trichloroethane	20.6	ug/L	5.000	15.5	101	79.1-130
Trichloroethene	16.5	ug/L	5.000	11.3	103	77.3-127
Trichlorofluoromethane	5.37	ug/L	5.000	ND	107	43.5-176
1,2,3-Trichloropropane	5.13	ug/L	5.000	ND	103	73.7-131
1,1,2-Trichlorotrifluoroethane	5.59	ug/L	5.000	ND	112	58.2-143
1,3,5-Trimethylbenzene	5.22	ug/L	5.000	ND	104	90.4-120
1,2,4-Trimethylbenzene	5.13	ug/L	5.000	ND	103	84.3-121
Vinyl chloride	31.5	ug/L	5.000	25.0	131	62.7-141
m,p-Xylene	24.1	ug/L	10.00	14.4	96.8	87.9-119
o-Xylene	19.0	ug/L	5.000	14.2	95.4	81.2-124
Surrogate: Dibromofluoromethane	25.7	ug/L	25.00		103	80.4-125
Surrogate: Toluene-d8	24.9	ug/L	25.00		99.5	94.1-107
Surrogate: 4-Bromofluorobenzene	24.9	ug/L	25.00		99.8	90.3-110



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Project: Ideal Properties - Madison, WI
 Project Number: 25212281.01
 Project Manager: Chris Valcheff

Reported:
 03/01/2013

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control
ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A302138 - EPA 5030B

Matrix Spike Dup (A302138-MSD1)	Source: A130214-20	Prepared: 02/25/2013	Analyzed: 02/25/2013 21:08							
Acetone	51.2	ug/L	50.00	6.06	90.3	45.8-164	0.684	20		
Benzene	29.2	ug/L	5.000	24.4	95.0	73.7-131	5.18	20		
Bromobenzene	20.0	ug/L	5.000	15.4	93.2	85.2-120	3.17	20		
Bromochloromethane	5.69	ug/L	5.000	ND	114	74.1-139	5.79	20		
Bromodichloromethane	33.8	ug/L	5.000	28.5	106	73.5-124	12.9	20		
Bromoform	19.6	ug/L	5.000	15.2	89.4	61.1-131	1.77	20		
Bromomethane	61.1	ug/L	5.000	20.1	820	9.3-190	2.48	20	M, E	
2-Butanone	50.2	ug/L	50.00	ND	100	66.8-143	1.36	20		
n-Butyl Benzene	16.7	ug/L	5.000	11.4	105	76.8-132	4.86	20		
sec-Butyl Benzene	5.23	ug/L	5.000	ND	105	94.1-120	2.08	20		
tert-Butylbenzene	5.20	ug/L	5.000	ND	104	82.7-129	1.55	20		
Carbon disulfide	21.4	ug/L	5.000	15.6	116	81.1-120	13.5	20		
Carbon tetrachloride	22.9	ug/L	5.000	18.6	86.6	71.6-131	6.26	20		
Chlorobenzene	25.4	ug/L	5.000	20.3	102	86.9-121	9.27	20		
Chloroethane	31.1	ug/L	5.000	23.3	156	6-181	27.0	20	X	
Chloroform	10.9	ug/L	5.000	5.94	98.6	65.2-143	1.43	20		
Chloromethane	23.9	ug/L	5.000	18.0	117	47.1-146	56.1	20	X	
2-Chlorotoluene	5.16	ug/L	5.000	ND	103	84.7-126	1.76	20		
4-Chlorotoluene	5.07	ug/L	5.000	ND	101	85.8-123	1.37	20		
1,2-Dibromo-3-chloropropane	17.6	ug/L	5.000	13.5	82.8	55.4-148	19.0	20		
Dibromochloromethane	20.9	ug/L	5.000	15.6	106	69.9-126	6.04	20		
1,2-Dibromoethane (EDB)	29.7	ug/L	5.000	25.3	88.4	78.2-133	2.06	20		
Dibromomethane	5.14	ug/L	5.000	ND	103	85.5-122	3.07	20		
1,2-Dichlorobenzene	13.6	ug/L	5.000	8.82	96.2	85.1-124	8.45	20		
1,4-Dichlorobenzene	10.6	ug/L	5.000	5.89	94.6	79.7-122	2.57	20		
1,3-Dichlorobenzene	28.0	ug/L	5.000	23.2	95.4	83.5-124	16.8	20		
Dichlorodifluoromethane	22.7	ug/L	5.000	17.9	95.2	68.8-126	1.69	20		
1,1-Dichloroethane	20.9	ug/L	5.000	15.7	104	68.5-145	12.4	20		
1,2-Dichloroethane	23.1	ug/L	5.000	19.0	81.6	67.8-140	11.8	20		
trans-1,2-Dichloroethene	22.5	ug/L	5.000	17.8	95.6	80.4-131	1.26	20		
cis-1,2-Dichloroethene	14.4	ug/L	5.000	8.89	110	78.2-132	3.89	20		
1,1-Dichloroethene	25.2	ug/L	5.000	20.6	93.0	67.9-130	2.97	20		
2,2-Dichloropropane	4.69	ug/L	5.000	ND	93.8	59.4-124	0.638	20		
1,2-Dichloropropane	19.2	ug/L	5.000	14.5	93.4	80.9-123	3.37	20		
1,3-Dichloropropane	5.09	ug/L	5.000	ND	102	84.6-123	0.591	20		
cis-1,3-Dichloropropene	5.15	ug/L	5.000	ND	103	74-131	5.84	20		
trans-1,3-Dichloropropene	23.9	ug/L	5.000	19.1	96.8	67-137	3.05	20		
1,1-Dichloropropene	4.82	ug/L	5.000	ND	96.4	82.4-131	1.24	20		
Diisopropyl Ether	5.55	ug/L	5.000	ND	111	76.6-134	2.84	20		
Ethylbenzene	28.0	ug/L	5.000	23.5	89.2	86.8-120	8.38	20		
Hexachlorobutadiene	4.73	ug/L	5.000	ND	94.6	67.8-135	1.47	20		
n-Hexane	4.65	ug/L	5.000	ND	93.0	69.5-128	0.643	20		
2-Hexanone	45.3	ug/L	50.00	ND	90.5	71.6-134	2.29	20		
Isopropylbenzene	5.20	ug/L	5.000	ND	104	83.8-128	0.192	20		



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 Project Manager: Chris Valcheff

Reported:
 03/01/2013

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control
ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A302138 - EPA 5030B

Matrix Spike Dup (A302138-MSD1)	Source: A130214-20	Prepared: 02/25/2013 Analyzed: 02/25/2013 21:08							
p-Isopropyltoluene	14.1	ug/L	5.000	8.59	110	81.1-131	4.28	20	
Methylene chloride	29.0	ug/L	5.000	24.2	96.0	70.3-133	11.0	20	
4-Methyl-2-pentanone	45.5	ug/L	50.00	ND	91.1	80.7-125	3.28	20	
Methyl t-Butyl Ether	34.3	ug/L	5.000	30.1	83.6	70.7-136	6.48	20	
Naphthalene	4.45	ug/L	5.000	ND	89.0	57.6-136	3.31	20	
n-Propyl Benzene	5.15	ug/L	5.000	ND	103	88.5-123	1.17	20	
Styrene	27.1	ug/L	5.000	21.8	106	79.7-128	0.950	20	
1,1,1,2-Tetrachloroethane	24.2	ug/L	5.000	19.0	104	77.8-127	3.22	20	
1,1,1,2,2-Tetrachloroethane	14.3	ug/L	5.000	9.78	89.8	76.6-135	0.223	20	
Tetrachloroethene	10.4	ug/L	5.000	5.60	96.2	75.6-123	2.74	20	
Tetrahydrofuran	23.3	ug/L	25.00	ND	93.4	70.1-147	6.71	20	
Toluene	26.4	ug/L	5.000	22.1	85.8	76.3-118	12.5	20	
1,2,3-Trichlorobenzene	4.55	ug/L	5.000	ND	91.0	73.1-130	4.09	20	
1,2,4-Trichlorobenzene	15.2	ug/L	5.000	11.2	79.4	72-131	5.15	20	
1,1,1-Trichloroethane	26.5	ug/L	5.000	21.9	92.0	83-127	11.3	20	
1,1,2-Trichloroethane	20.5	ug/L	5.000	15.5	98.6	79.1-130	2.40	20	
Trichloroethene	16.4	ug/L	5.000	11.3	101	77.3-127	2.16	20	
Trichlorofluoromethane	5.58	ug/L	5.000	ND	112	43.5-176	3.84	20	
1,2,3-Trichloropropane	5.02	ug/L	5.000	ND	100	73.7-131	2.17	20	
1,1,2-Trichlorotrifluoroethane	5.09	ug/L	5.000	ND	102	58.2-143	9.36	20	
1,3,5-Trimethylbenzene	5.31	ug/L	5.000	ND	106	90.4-120	1.71	20	
1,2,4-Trimethylbenzene	5.04	ug/L	5.000	ND	101	84.3-121	1.77	20	
Vinyl chloride	32.8	ug/L	5.000	25.0	156	62.7-141	17.0	20	M
m,p-Xylene	24.4	ug/L	10.00	14.4	99.8	87.9-119	3.05	20	
o-Xylene	19.2	ug/L	5.000	14.2	100	81.2-124	4.71	20	
<i>Surrogate: Dibromofluoromethane</i>	26.2	ug/L	25.00		105	80.4-125			
<i>Surrogate: Toluene-d8</i>	24.9	ug/L	25.00		99.7	94.1-107			
<i>Surrogate: 4-Bromofluorobenzene</i>	25.0	ug/L	25.00		99.8	90.3-110			



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 Project Manager: Chris Valcheff

Reported:
 03/01/2013

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control
ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A302108 - EPA 3570

Blank (A302108-BLK1)

Prepared: 02/19/2013 Analyzed: 02/22/2013 01:24

Acenaphthene	ND	10	ug/kg wet							
Acenaphthylene	ND	10	ug/kg wet							
Anthracene	ND	10	ug/kg wet							
Benzo (a) anthracene	ND	10	ug/kg wet							
Benzo (a) pyrene	ND	10	ug/kg wet							
Benzo (b) fluoranthene	ND	10	ug/kg wet							
Benzo (e) pyrene	ND	10	ug/kg wet							
Benzo (g,h,i) perylene	ND	10	ug/kg wet							
Benzo (k) fluoranthene	ND	10	ug/kg wet							
Chrysene	ND	10	ug/kg wet							
Dibenz (a,h) anthracene	ND	10	ug/kg wet							
Fluoranthene	ND	10	ug/kg wet							
Fluorene	ND	10	ug/kg wet							
Indeno (1,2,3-cd) pyrene	ND	10	ug/kg wet							
Naphthalene	ND	10	ug/kg wet							
Phenanthrene	ND	10	ug/kg wet							
Pyrene	ND	10	ug/kg wet							

Surrogate: *p*-Terphenyl-d14

466 ug/kg wet 500.0 93.1 78.2-121

LCS (A302108-BS1)

Prepared: 02/19/2013 Analyzed: 02/22/2013 01:58

Acenaphthene	377	10	ug/kg wet	400.0		94.1	75.3-122			
Acenaphthylene	378	10	ug/kg wet	400.0		94.6	72.5-123			
Anthracene	376	10	ug/kg wet	400.0		94.1	78.7-112			
Benzo (a) anthracene	383	10	ug/kg wet	400.0		95.7	68.1-127			
Benzo (a) pyrene	386	10	ug/kg wet	400.0		96.6	60.8-135			
Benzo (b) fluoranthene	368	10	ug/kg wet	400.0		92.1	65.7-129			
Benzo (e) pyrene	361	10	ug/kg wet	400.0		90.2	68-128			
Benzo (g,h,i) perylene	361	10	ug/kg wet	400.0		90.3	68-124			
Benzo (k) fluoranthene	385	10	ug/kg wet	400.0		96.2	69.9-127			
Chrysene	381	10	ug/kg wet	400.0		95.3	68.6-129			
Dibenz (a,h) anthracene	364	10	ug/kg wet	400.0		90.9	67.8-123			
Fluoranthene	382	10	ug/kg wet	400.0		95.6	67.8-126			
Fluorene	381	10	ug/kg wet	400.0		95.4	74.9-121			
Indeno (1,2,3-cd) pyrene	368	10	ug/kg wet	400.0		91.9	65.7-123			
Naphthalene	384	10	ug/kg wet	400.0		96.0	72.6-125			
Phenanthrene	374	10	ug/kg wet	400.0		93.6	72.1-122			
Pyrene	380	10	ug/kg wet	400.0		95.1	66.8-128			

Surrogate: *p*-Terphenyl-d14

469 ug/kg wet 500.0 93.7 78.2-121



2525 Advance Road
 Madison, WI 53718
 608.221.8700 Phone
 608.221.4889 Fax

SCS Engineers
 2830 Dairy Drive
 Madison WI, 53718

Project: Ideal Properties - Madison, WI
 Project Number: 25212281.01
 Project Manager: Chris Valcheff

Reported:
 03/01/2013

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control
ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A302108 - EPA 3570

Matrix Spike (A302108-MS1)	Source: A130708-01		Prepared: 02/19/2013		Analyzed: 02/22/2013 02:33					
Acenaphthene	401	10	ug/kg dry	410.7	ND	97.6	61.4-132			
Acenaphthylene	411	10	ug/kg dry	410.7	ND	100	32.2-164			
Anthracene	401	10	ug/kg dry	410.7	ND	97.5	11.8-181			
Benzo (a) anthracene	406	10	ug/kg dry	410.7	ND	98.8	19.9-183			
Benzo (a) pyrene	402	10	ug/kg dry	410.7	ND	97.9	18.9-184			
Benzo (b) fluoranthene	370	10	ug/kg dry	410.7	ND	90.0	24-189			
Benzo (e) pyrene	386	10	ug/kg dry	410.7	ND	93.9	21.8-170			
Benzo (g,h,i) perylene	388	10	ug/kg dry	410.7	ND	94.5	14.3-181			
Benzo (k) fluoranthene	426	10	ug/kg dry	410.7	ND	104	12.3-176			
Chrysene	386	10	ug/kg dry	410.7	ND	93.9	12.7-192			
Dibenz (a,h) anthracene	384	10	ug/kg dry	410.7	ND	93.6	24.5-167			
Fluoranthene	385	10	ug/kg dry	410.7	ND	93.8	12.2-184			
Fluorene	416	10	ug/kg dry	410.7	ND	101	26.1-165			
Indeno (1,2,3-cd) pyrene	387	10	ug/kg dry	410.7	ND	94.2	22.7-168			
Naphthalene	413	10	ug/kg dry	410.7	ND	101	60.6-132			
Phenanthrene	398	10	ug/kg dry	410.7	ND	96.9	23-167			
Pyrene	390	10	ug/kg dry	410.7	ND	94.9	13.3-200			
<i>Surrogate: p-Terphenyl-d14</i>	472		<i>ug/kg dry</i>	513.3		92.0	78.2-121			

Matrix Spike Dup (A302108-MSD1)	Source: A130708-01		Prepared: 02/19/2013		Analyzed: 02/22/2013 03:07					
Acenaphthene	387	10	ug/kg dry	410.7	ND	94.1	61.4-132	3.64	20	
Acenaphthylene	406	10	ug/kg dry	410.7	ND	99.0	32.2-164	1.02	20	
Anthracene	384	10	ug/kg dry	410.7	ND	93.5	11.8-181	4.26	20	
Benzo (a) anthracene	395	10	ug/kg dry	410.7	ND	96.1	19.9-183	2.75	20	
Benzo (a) pyrene	406	10	ug/kg dry	410.7	ND	98.8	18.9-184	0.966	20	
Benzo (b) fluoranthene	378	10	ug/kg dry	410.7	ND	92.1	24-189	2.33	20	
Benzo (e) pyrene	383	10	ug/kg dry	410.7	ND	93.2	21.8-170	0.765	20	
Benzo (g,h,i) perylene	381	10	ug/kg dry	410.7	ND	92.8	14.3-181	1.86	20	
Benzo (k) fluoranthene	410	10	ug/kg dry	410.7	ND	99.8	12.3-176	3.92	20	
Chrysene	393	10	ug/kg dry	410.7	ND	95.7	12.7-192	1.82	20	
Dibenz (a,h) anthracene	385	10	ug/kg dry	410.7	ND	93.8	24.5-167	0.181	20	
Fluoranthene	381	10	ug/kg dry	410.7	ND	92.8	12.2-184	1.14	20	
Fluorene	403	10	ug/kg dry	410.7	ND	98.0	26.1-165	3.34	20	
Indeno (1,2,3-cd) pyrene	389	10	ug/kg dry	410.7	ND	94.7	22.7-168	0.561	20	
Naphthalene	399	10	ug/kg dry	410.7	ND	97.1	60.6-132	3.52	20	
Phenanthrene	389	10	ug/kg dry	410.7	ND	94.6	23-167	2.41	20	
Pyrene	387	10	ug/kg dry	410.7	ND	94.1	13.3-200	0.857	20	
<i>Surrogate: p-Terphenyl-d14</i>	465		<i>ug/kg dry</i>	513.3		90.7	78.2-121			



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

SCS Engineers
2830 Dairy Drive
Madison WI, 53718

Project: Ideal Properties - Madison, WI
Project Number: 25212281.01
Project Manager: Chris Valcheff

Reported:
03/01/2013

Classical Chemistry Parameters - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A302087 - % Solids

Duplicate (A302087-DUP1)	Source: A130709-01	Prepared: 02/18/2013	Analyzed: 02/19/2013 09:11		
% Solids	81.3	0.00 % by Weight	81.3	0.0805	20



2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

SCS Engineers
2830 Dairy Drive
Madison WI, 53718

Project: Ideal Properties - Madison, WI
Project Number: 25212281.01
Project Manager: Chris Valcheff

Reported:
03/01/2013

Notes and Definitions

- X Precision for the matrix spike duplicate, laboratory control sample duplicate or lab duplicate was outside of control limits.
- M The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
- E1 Estimated value because of quality control sample exceedances.
- E The concentration indicated is above the instrument calibration range. This value is an estimated concentration.
- D Data reported from a dilution
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference



Environmental Chemistry Consulting Services, Inc.
 2525 Advance Road
 Madison, WI 53718
 608-221-8700 (phone)
 608-221-4889 (fax)

CHAIN OF CUSTODY

Project Number: <u>25212281.01</u>				Lab Work Order #: <u>A130709</u>				Mail Report To: <u>Chris Valchett</u>													
Project Name: <u>Ideal Property</u>				Analyses Requested				Company: <u>SCS Engineers</u>													
Project Location: <u>Madison, WI</u>				Preservation Codes				Address: <u>2830 Leary Dr.</u>													
Turn Around (circle one): <u>Normal</u> Rush				<table border="1" style="width:100%; text-align: center;"> <tr> <td>A</td><td>A</td><td></td><td>A</td><td>F</td> </tr> <tr> <td>PCB'S</td><td>PCPA & metals (TCCLA)</td><td></td><td>PAH</td><td>VOC'S</td> </tr> </table>				A	A		A	F	PCB'S	PCPA & metals (TCCLA)		PAH	VOC'S	E-mail Address: <u>cvalchett@scsengineers.com</u>			
A	A		A					F													
PCB'S	PCPA & metals (TCCLA)		PAH	VOC'S																	
If Rush, Report Due Date:				Invoice To: SCS <u>SCS</u>				Company:													
Sampled By (Print): <u>Meghan Blodgett</u>				Address:				Address:													
Sample Description	Collection		Matrix	Total # of Containers	PCB'S	PCPA & metals (TCCLA)	PAH	VOC'S	Comments	Lab ID	Lab Receipt Time										
	Date	Time																			
<u>S-1</u>	<u>2/15/13</u>	<u>1030</u>	<u>S</u>	<u>4</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		<u>01</u>											
<u>S-2</u>	<u>2/15/13</u>	<u>1035</u>	<u>S</u>	<u>2</u>	<u>✓</u>	<u>✓</u>				<u>02</u>											
<u>MEOH Blank</u>	<u>2/15/13</u>		<u>S</u>	<u>1</u>				<u>✓</u>		<u>03</u>											
Preservation Codes A=None B=HCL C=H ₂ SO ₄ D=HNO ₃ E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <u>Meghan Blodgett</u> Date: <u>2/15/13</u> Time: <u>1115</u> Relinquished By: _____ Date: _____ Time: _____				Received By: <u>[Signature]</u> Date: <u>2/15/13</u> Time: <u>1115</u> Received By: _____ Date: _____ Time: _____													
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: Present/Absent <u>Intact/Not Intact</u> Seal #'s _____ Shipped Via: <u>Walk-in</u>				Receipt Temp: _____ Temp Blank <u>Y</u> <u>(N)</u> <u>on ice</u>													

February 28, 2013

Jessica Esser
ECCS
2525 Advance Road
Madison, WI 53718

RE: Project: A130709
Pace Project No.: 4074051

Dear Jessica Esser:

Enclosed are the analytical results for sample(s) received by the laboratory on February 16, 2013. 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,



Dan Milewsky

dan.milewsky@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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Page 1 of 10

CERTIFICATIONS

Project: A130709

Pace Project No.: 4074051

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

New York Certification #: 11888

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

US Dept of Agriculture #: S-76505

Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

Page 2 of 10

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SAMPLE SUMMARY

Project: A130709

Pace Project No.: 4074051

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4074051001	A130709-01	Solid	02/15/13 10:30	02/16/13 07:42
4074051002	A130709-02	Solid	02/15/13 10:35	02/16/13 07:42

REPORT OF LABORATORY ANALYSIS

Page 3 of 10

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SAMPLE ANALYTE COUNT

Project: A130709

Pace Project No.: 4074051

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4074051001	A130709-01	EPA 6010	DLB	7
		EPA 7470	CMS	1
4074051002	A130709-02	EPA 6010	DLB	7
		EPA 7470	CMS	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: A130709
Pace Project No.: 4074051

Sample: A130709-01 **Lab ID: 4074051001** Collected: 02/15/13 10:30 Received: 02/16/13 07:42 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 02/21/13 00:00									
Arsenic	<0.12	mg/L	0.25	0.12	1	02/27/13 09:10	02/27/13 14:02	7440-38-2	
Barium	<1.2	mg/L	2.5	1.2	1	02/27/13 09:10	02/27/13 14:02	7440-39-3	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	02/27/13 09:10	02/27/13 14:02	7440-43-9	
Chromium	<0.12	mg/L	0.25	0.12	1	02/27/13 09:10	02/27/13 14:02	7440-47-3	
Lead	<0.015	mg/L	0.038	0.015	1	02/27/13 09:10	02/27/13 14:02	7439-92-1	
Selenium	<0.12	mg/L	0.25	0.12	1	02/27/13 09:10	02/27/13 14:02	7782-49-2	
Silver	<0.12	mg/L	0.25	0.12	1	02/27/13 09:10	02/27/13 14:02	7440-22-4	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 02/21/13 00:00									
Mercury	0.11J	ug/L	0.20	0.10	1	02/25/13 11:05	02/25/13 15:56	7439-97-6	

ANALYTICAL RESULTS

Project: A130709
Pace Project No.: 4074051

Sample: A130709-02 **Lab ID: 4074051002** Collected: 02/15/13 10:35 Received: 02/16/13 07:42 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Leachate Method/Date: EPA 1311; 02/21/13 00:00									
Arsenic	<0.12	mg/L	0.25	0.12	1	02/27/13 09:10	02/27/13 14:09	7440-38-2	
Barium	<1.2	mg/L	2.5	1.2	1	02/27/13 09:10	02/27/13 14:09	7440-39-3	
Cadmium	<0.0025	mg/L	0.0050	0.0025	1	02/27/13 09:10	02/27/13 14:09	7440-43-9	
Chromium	<0.12	mg/L	0.25	0.12	1	02/27/13 09:10	02/27/13 14:09	7440-47-3	
Lead	<0.015	mg/L	0.038	0.015	1	02/27/13 09:10	02/27/13 14:09	7439-92-1	
Selenium	<0.12	mg/L	0.25	0.12	1	02/27/13 09:10	02/27/13 14:09	7782-49-2	
Silver	<0.12	mg/L	0.25	0.12	1	02/27/13 09:10	02/27/13 14:09	7440-22-4	
7470 Mercury, TCLP									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Leachate Method/Date: EPA 1311; 02/21/13 00:00									
Mercury	<0.10	ug/L	0.20	0.10	1	02/25/13 11:05	02/25/13 15:59	7439-97-6	

QUALITY CONTROL DATA

Project: A130709
Pace Project No.: 4074051

QC Batch: MERP/3521 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 4074051001, 4074051002

METHOD BLANK: 753531 Matrix: Water
Associated Lab Samples: 4074051001, 4074051002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	02/25/13 15:19	

LABORATORY CONTROL SAMPLE: 753532

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.6	92	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 753533 753534

Parameter	Units	4073876002		MS		MSD		MS		MSD		% Rec		Max	
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual		
Mercury	ug/L	<0.10	5	5	5	4.8	4.8	97	96	85-115	1	20			

MATRIX SPIKE SAMPLE: 753567

Parameter	Units	4074017001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	51.7	5	56.0	86	85-115	

QUALITY CONTROL DATA

Project: A130709
Pace Project No.: 4074051

QC Batch: MPRP/8170 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 4074051001, 4074051002

METHOD BLANK: 754209 Matrix: Water
Associated Lab Samples: 4074051001, 4074051002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.025	0.050	02/27/13 13:58	
Barium	mg/L	<0.25	0.50	02/27/13 13:58	
Cadmium	mg/L	<0.00050	0.0010	02/27/13 13:58	
Chromium	mg/L	<0.025	0.050	02/27/13 13:58	
Lead	mg/L	<0.0030	0.0075	02/27/13 13:58	
Selenium	mg/L	<0.025	0.050	02/27/13 13:58	
Silver	mg/L	<0.025	0.050	02/27/13 13:58	

LABORATORY CONTROL SAMPLE: 754210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.5	0.49	98	80-120	
Barium	mg/L	.5	0.52	104	80-120	
Cadmium	mg/L	.5	0.51	102	80-120	
Chromium	mg/L	.5	0.49	99	80-120	
Lead	mg/L	.5	0.51	102	80-120	
Selenium	mg/L	.5	0.51	101	80-120	
Silver	mg/L	.25	0.25	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 754211 754212

Parameter	Units	4074051001		MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec						
Arsenic	mg/L	<0.12	2.5	2.5	2.5	2.5	2.5	99	99	75-125	0	20			
Barium	mg/L	<1.2	2.5	2.5	3.8	3.8	104	103	75-125	0	20				
Cadmium	mg/L	<0.0025	2.5	2.5	2.6	2.6	103	102	75-125	1	20				
Chromium	mg/L	<0.12	2.5	2.5	2.4	2.4	97	97	75-125	0	20				
Lead	mg/L	<0.015	2.5	2.5	2.5	2.5	101	100	75-125	0	20				
Selenium	mg/L	<0.12	2.5	2.5	2.6	2.6	102	102	75-125	1	20				
Silver	mg/L	<0.12	1.2	1.2	1.2	1.2	99	98	75-125	0	20				

QUALIFIERS

Project: A130709

Pace Project No.: 4074051

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

SG - Silica Gel - Clean-Up

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

TNI - The NELAC Institute.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A130709

Pace Project No.: 4074051

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4074051001	A130709-01	EPA 3010	MPRP/8170	EPA 6010	ICP/7192
4074051002	A130709-02	EPA 3010	MPRP/8170	EPA 6010	ICP/7192
4074051001	A130709-01	EPA 7470	MERP/3521	EPA 7470	MERC/4296
4074051002	A130709-02	EPA 7470	MERP/3521	EPA 7470	MERC/4296



SUBCONTRACT ORDER

ECCS
A130709

JSK

SENDING LABORATORY:

RECEIVING LABORATORY:

ECCS
2525 Advance Road
Madison, WI 53718
Phone: 608.221.8700
Fax: 608,221,4889
Project Manager: Jessica Esser

Pace Analytical
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone :(920) 469-2436
Fax: (920) 469-8827

Turn around Time: Normal
 Rush

Project Name: Ideal Properties - Madison, WI

		Laboratory ID		Comments
Lab ID: A130709-01	Soil	Sampled: 02/15/2013 10:30	001	
RCRA Metals				TCLP
1311 TCLP Extraction				1-4oz p ^A
Containers Supplied:				
05_Client provided plastic				
Lab ID: A130709-02	Soil	Sampled: 02/15/2013 10:35	002	
RCRA Metals				TCLP
1311 TCLP Extraction				1-4oz p ^A
Containers Supplied:				
05_Client provided plastic				

Kari Ann Gillian ^{15 KAK} *2/18/13* 1200
 Released By Date Received By Date
Dunham *2/16/13* 0742 *Molly Smith* *2/16/13* 0742
 Released By Date Received By Date

4074051



Sample Condition Upon Receipt

Client Name: ECCS Project # 4074051

Courier: Fed Ex UPS USPS Client Commercial Pace Other Dunham

Tracking #: 455885

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 paper

Thermometer Used SR-44

Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun.

Cooler Temperature 10.5°C

Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Temp should be above freezing to 6°C for all sample except Biota.
Biota Samples should be received ≤ 0°C.

Optional
Proj. Due Date:
Proj. Name:

Person examining contents:
Date: 2-16-13
Initials: BF

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. received ~ 170g, 2/16/13 BF
Correct Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9. received 4oz p ⁴ for TCLP. 2/16/13
-Pace Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>S</u>	
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: MAT for DM Date: 2-16-13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



February 13, 2013

Mr. Craig Enzenroth
The Ideal LLC
101 East Main Street
Mt. Horeb WI 53575

Subject: Liability Clarification and Current Environmental Conditions at the Former Ideal Auto Body,
502 South Park Street, Madison, Wisconsin
BRRTS #: 07-13-560072

Dear Mr. Enzenroth:

Purpose

The purpose of this letter is to provide you with clarification as to environmental liabilities and current environmental conditions at 502 South Park Street, Madison, Wisconsin ("the Property"). The Property consists of approximately 0.15 acres of land located in the southwest ¼ of the southwest ¼ of section 23, Town 7 North, Range 9 East, in Dane County.

Request

On January 31, 2013 SCS Engineers requested on your behalf, that the Department of Natural Resources ("the Department"), issue a liability clarification letter. The letter is to contain a determination of whether further response actions are needed under the ch. NR 700 rules series, Wisconsin Administrative Code, based on the presence of one or more hazardous substances at the Property. The Department received the fee for providing assistance in accordance with s. NR 749.04(1), Wis. Adm. Code.

In order for the Department to make this determination, you have requested a review of the following documents:

- Notification for Hazardous Substance Discharge for Former Ideal Auto Body, 502 S. Park St. Madison, Dane County dated January 15, 2013.
- Phase 2 Environmental Site Assessment Report, The Ideal Development Properties, 502 S. Park St. Madison, WI dated November 30, 2012 from SCS BT Squared.

The Department has examined the information in the materials listed above and provides the following summary of the facts of the case and opinions concerning environmental conditions at the Property.

Background and Summary of Environmental Conditions

The site has been an auto body repair and painting shop housed in a building that covers the Property. A Phase II environmental site assessment was performed in November 2012 with six soil probes through the floor of the building advanced to 10-15 feet below ground surface (bgs). Two of the borings were sampled for groundwater. Soil samples were taken at a depth of 6-7 feet bgs and analyzed for diesel related organics, (DRO), polyaromatic hydrocarbons (PAHs) and volatile organic compounds (VOCs). Groundwater was sampled at about 9 feet bgs at borings B-1 and B-2 and analyzed for VOCs and PAHs.

No soil sample was found to have DRO. Sample B-1 had VOCs and PAHs but no concentration exceeded NR 720 Wis. Adm. Code Recommended Cleanup Levels (RCLs). Benzo(a)pyrene exceeded the non-industrial direct contact limit at B-1 but not the industrial direct contact limit.

Multiple PAHs were detected in the groundwater samples from B-1 and B-2 but detects are below NR 140 Wis. Adm. Code Preventative Action Limits (PALs). Benzo(a)pyrene was at 18 ppb which is above the non-industrial direct contact values. Low levels of fluoranthene, naphthalene, phenanthrene and pyrene were found in the groundwater sample analytical results.

The building is intended to be demolished and replaced with new construction. If contaminated soils are contacted during site work, the soils need to be analyzed, treated, stored and disposed of according to Department guidelines. It was stated that a new construction would incorporate a vapor barrier into the work.

Liability Determination

The Wisconsin Hazardous Substance Discharge Law, s. 292.11, Wis. Stats., commonly called the Spill Law, requires those who cause, possess or control a hazardous substance discharge to "take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands or waters of this state." Section 292.55, Wis. Stats., authorizes the Department to issue clarification letters concerning liability for environmental pollution.

The data summarized above indicates that one or more hazardous substance discharges have occurred on the Property. However, based on the criteria in s. NR 716.05(2) Wis. Adm. Code, the Department has determined that further site investigation activities are not required and that no further response action is required under the ch. NR 700, Wis. Adm. Code, rule series to respond to these identified discharges.

This response letter relates only to those conditions described above, and makes no determination concerning the presence or absence of hazardous substances, other than those identified in the reports listed above. However, based on the Department's review of the aforementioned documents, there is no reason to suspect that other areas of the Property may be contaminated or that other contaminants may be present. Generally, the assessment activities seem adequate given the known scope of contamination and complexity of the site. The information contained in documents submitted to the Department indicates there are minimal to no environmental impacts to soil or groundwater associated with the Property.

In the future, if the Department becomes aware of new information concerning the contaminants referenced above, or the presence of other contaminants on the Property not previously identified, the Department will need to evaluate that data to determine if response actions may be required. Whenever possible, the Department requires the person who caused the discharge to take the appropriate response actions.

The Bureau for Remediation and Redevelopment Tracking System (BRRTS) identification number for this activity is shown at the top of this letter. The Department tracks information on all determinations such as this in a Department database that is available on the Internet at <http://dnr.wi.gov/org/aw/rr/>. See "BRRTS on the web" under "Contaminated Land Databases". Since there is no action required for this case, the Department has issued BRRTS case number **07-13-560072**.

If you have questions regarding this correspondence, please contact me at (608) 275-3297.

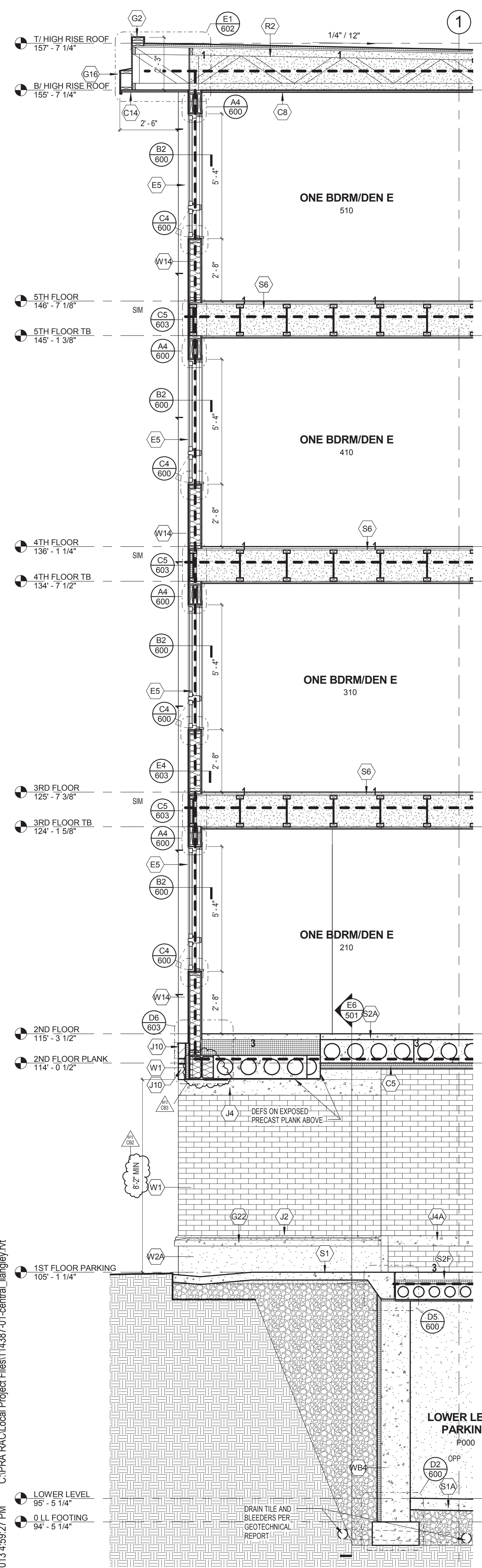
Sincerely,


Wendell Wojner

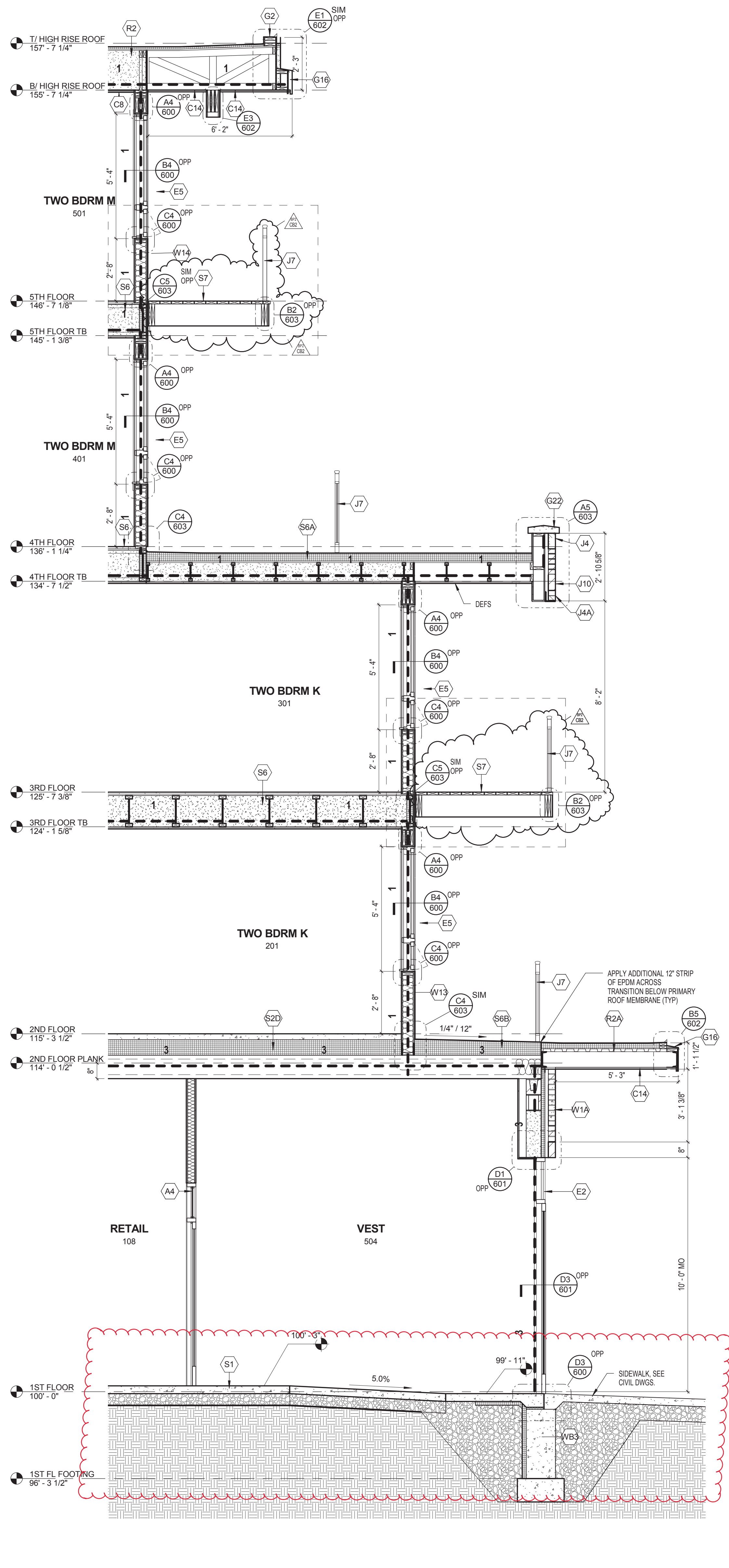
Remediation and Redevelopment Program

cc: Chris Valcheff, SCS Engineers, 2830 Dairy Drive, Madison, WI 53718-6751
Janet DiMaggio

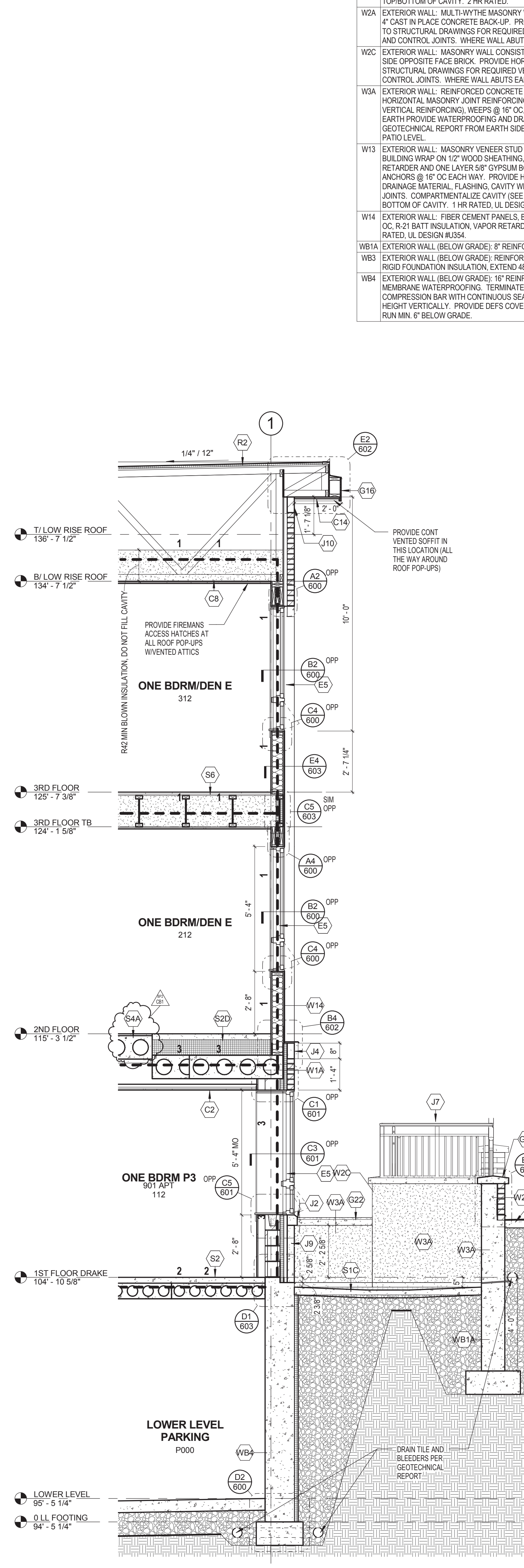
7/17/2013 4:59:27 PM C:\PRA\Local\Project\Files\114387-01-central_taglay.rvt



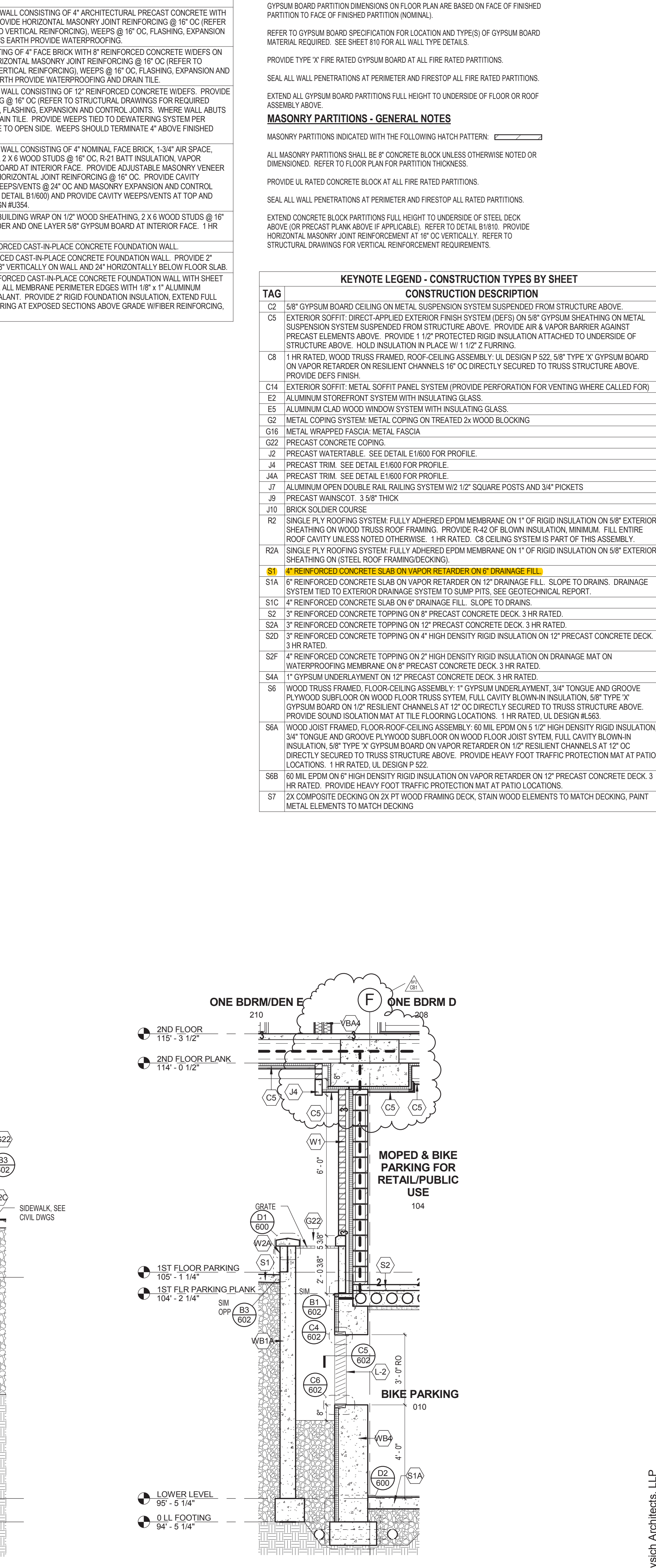
E1 WALL SECTION - NORTH UNIT
501 3/8" = 1'-0"



E2 WALL SECTION - EAST
501 3/8" = 1'-0"



E4 WALL SECTION - DRAKE ST UNITS
501 3/8" = 1'-0"



E6 WALL SECTION - DRAKE ST. AREA WALL
501 3/8" = 1'-0"

KEYNOTE LEGEND - EXTERIOR WALL TYPES BY SHEET	
TAG	EXTERIOR WALL DESCRIPTION
W1	EXTERIOR WALL - MASONRY CAVITY WALL CONSISTING OF 4" FACE BRICK, 1-3/4" AIR SPACE, 2" RIGID INSULATION, SPRAY APPLIED AIR AND VAPOR BARRIER SYSTEM ON 8" CONCRETE MASONRY UNIT (2 HR RATED BLOCK). BACK-UP WALL WITH ADJUSTABLE (TWO-PIECE) HORIZONTAL MASONRY JOINT REINFORCING @ 16" OC REFER TO STRUCTURAL DRAWINGS FOR REQUIRED VERTICAL REINFORCING). PROVIDE CAVITY DRAINAGE MATERIAL, FLASHING, CAVITY WEEPERS @ 24" OC AND MASONRY EXPANSION AND CONTROL JOINTS. PROVIDE CAVITY WEEPERS @ 24" OC. COMPARTMENTALIZE THE CAVITY (SEE DETAIL A5601) AND PROVIDE CAVITY WEEPERS AT TOP/BOTTOM OF CAVITY. 2 HR RATED.
W1A	EXTERIOR WALL - MASONRY CAVITY WALL CONSISTING OF 4" FACE BRICK, 1-3/4" AIR SPACE, 2" RIGID INSULATION, SPRAY APPLIED AIR AND VAPOR BARRIER SYSTEM ON 8" CONCRETE MASONRY UNIT (2 HR RATED BLOCK). BACK-UP WALL WITH ADJUSTABLE (TWO-PIECE) HORIZONTAL MASONRY JOINT REINFORCING @ 16" OC (REFER TO STRUCTURAL DRAWINGS FOR REQUIRED VERTICAL REINFORCING) AND 3-5/8" STEEL STUDS @ 16" OC WITH ONE LAYER 5/8" TYPE 'X' GYPSUM BOARD AT INSIDE FACE. PROVIDE CAVITY DRAINAGE MATERIAL, FLASHING, CAVITY WEEPERS @ 24" OC AND MASONRY EXPANSION AND CONTROL JOINTS. PROVIDE CAVITY WEEPERS @ 24" OC. COMPARTMENTALIZE THE CAVITY (SEE DETAIL A5601) AND PROVIDE CAVITY WEEPERS AT TOP/BOTTOM OF CAVITY. 2 HR RATED.
W2	EXTERIOR WALL - MULTI-WYTHE MASONRY WALL CONSISTING OF 4" ARCHITECTURAL PRECAST CONCRETE WITH 4" CAST IN PLACE CONCRETE BACK-UP. PROVIDE HORIZONTAL MASONRY JOINT REINFORCING @ 16" OC (REFER TO STRUCTURAL DRAWINGS FOR REQUIRED VERTICAL REINFORCING), WEEPS @ 16" OC, FLASHING, EXPANSION AND CONTROL JOINTS. WHERE WALL ABUTS EARTH PROVIDE WATERPROOFING AND DRAIN TILE.
W2C	EXTERIOR WALL - MASONRY WALL CONSISTING OF 4" FACE BRICK WITH 8" REINFORCED CONCRETE WIDERS ON SIDE OPPOSITE FACE BRICK. PROVIDE HORIZONTAL MASONRY JOINT REINFORCING @ 16" OC (REFER TO STRUCTURAL DRAWINGS FOR REQUIRED VERTICAL REINFORCING), WEEPS @ 16" OC, FLASHING, EXPANSION AND CONTROL JOINTS. WHERE WALL ABUTS EARTH PROVIDE WATERPROOFING AND DRAIN TILE.
W3	EXTERIOR WALL - REINFORCED CONCRETE WALL CONSISTING OF 12" REINFORCED CONCRETE WIDERS. PROVIDE HORIZONTAL MASONRY JOINT REINFORCING @ 16" OC (REFER TO STRUCTURAL DRAWINGS FOR REQUIRED VERTICAL REINFORCING), WEEPS @ 16" OC, FLASHING, EXPANSION AND CONTROL JOINTS. WHERE WALL ABUTS EARTH PROVIDE WATERPROOFING AND DRAIN TILE. PROVIDE WEEPS TIED TO DEWATERING SYSTEM PER GEOTECHNICAL REPORT FROM EARTH SIDE TO OPEN SIDE. WEEPS SHOULD TERMINATE 4" ABOVE FINISHED PATIO LEVEL.
W3C	EXTERIOR WALL - MASONRY VENEER STUD WALL CONSISTING OF 4" NOMINAL FACE BRICK, 1-3/4" AIR SPACE, BUILDING WRAP ON 1/2" WOOD SHEATHING, 2 X 6 WOOD STUDS @ 16" OC, R-21 BATT INSULATION, VAPOR RETARDER AND ONE LAYER 5/8" GYPSUM BOARD AT INTERIOR FACE. PROVIDE ADJUSTABLE MASONRY VENEER ANCHORS @ 16" OC EACH WAY. PROVIDE HORIZONTAL JOINT REINFORCING @ 16" OC. PROVIDE CAVITY DRAINAGE MATERIAL, FLASHING, CAVITY WEEPERS @ 24" OC AND MASONRY EXPANSION AND CONTROL JOINTS. COMPARTMENTALIZE CAVITY (SEE DETAIL B1000) AND PROVIDE CAVITY WEEPERS AT TOP AND BOTTOM OF CAVITY. 1 HR RATED. UL DESIGN #J54.
W4	EXTERIOR WALL - FIBER CEMENT PANELS, BUILDING WRAP ON 1/2" WOOD SHEATHING, 2 X 6 WOOD STUDS @ 16" OC, R-21 BATT INSULATION, VAPOR RETARDER AND ONE LAYER 5/8" GYPSUM BOARD AT INTERIOR FACE. 1 HR RATED. UL DESIGN #J54.
WB1A	EXTERIOR WALL (BELOW GRADE): 8" REINFORCED CAST-IN-PLACE CONCRETE FOUNDATION WALL.
WB3	EXTERIOR WALL (BELOW GRADE): REINFORCED CAST-IN-PLACE CONCRETE FOUNDATION WALL. PROVIDE 2" RIGID FOUNDATION INSULATION, EXTEND 4" VERTICALLY ON WALL AND 24" HORIZONTALLY BELOW FLOOR SLAB.
WB4	EXTERIOR WALL (BELOW GRADE): 16" REINFORCED CAST-IN-PLACE CONCRETE FOUNDATION WALL WITH SHEET MEMBRANE WATERPROOFING. TERMINATE ALL MEMBRANE PERIMETER EDGES WITH 18" X 1" ALUMINUM COMPRESSION BAR WITH CONTINUOUS SEALANT. PROVIDE 2" RIGID FOUNDATION INSULATION. EXTEND FILL HEIGHT VERTICALLY. PROVIDE DEFS COVERING AT EXPOSED SECTIONS ABOVE GRADE. W/FRIBER REINFORCING, RUN MIN 6" BELOW GRADE.

KEYNOTE LEGEND - INTERIOR PARTITION TYPES BY SHEET	
TAG	INTERIOR PARTITION DESCRIPTION
A4	INTERIOR STEEL STUD PARTITION - 3-5/8" STEEL STUDS @ 16" OC WITH 3" SOUND ATTENUATION INSULATION AND ONE LAYER 5/8" GYPSUM BOARD @ EACH FACE. PROVIDE 1 HR RATED UL #465 DESIGN WHERE 1 HR CONSTRUCTION IS INDICATED ON PLANS. TYP 1ST FLR UNIT WALL.
WB4	INTERIOR WOOD STUD PARTITION - 2 X 4 WOOD STUDS EACH SIDE @ 16" OC WITH 3/4" AIR SPACE WITH 3-1/2" SOUND ATTENUATION INSUL. AND ONE LAYER 5/8" GYPSUM BOARD @ EACH FACE. PROVIDE 1 HR RATED UL L541 DESIGN.

GYPSUM BOARD PARTITIONS - GENERAL NOTES

ALL GYPSUM BOARD PARTITIONS SHALL BE (A4) ON THE LOWER LEVEL AND 1ST FLOOR UNLESS OTHERWISE NOTED ON FLOOR PLAN.
ALL GYPSUM BOARD PARTITIONS SHALL BE (WB4) ON THE 2ND THROUGH 5TH FLOORS UNLESS OTHERWISE NOTED ON UNIT PLANS.

GYPSUM BOARD PARTITION DIMENSIONS ON FLOOR PLAN ARE BASED ON FACE OF FINISHED PARTITION TO FACE OF FINISHED PARTITION (NOMINAL).
REFER TO GYPSUM BOARD SPECIFICATION FOR LOCATION AND TYPES) OF GYPSUM BOARD MATERIAL REQUIRED. SEE SHEET #10 FOR ALL WALL TYPE DETAILS.

PROVIDE TYPE 'X' FIRE RATED GYPSUM BOARD AT ALL FIRE RATED PARTITIONS.
SEAL ALL WALL PENETRATIONS AT PERIMETER AND FIRESTOP ALL FIRE RATED PARTITIONS.

EXTEND ALL GYPSUM BOARD PARTITIONS FULL HEIGHT TO UNDERSIDE OF FLOOR OR ROOF ASSEMBLY ABOVE.

MASONRY PARTITIONS - GENERAL NOTES

MASONRY PARTITIONS INDICATED WITH THE FOLLOWING HATCH PATTERN: [Hatch Pattern]

ALL MASONRY PARTITIONS SHALL BE 8" CONCRETE BLOCK UNLESS OTHERWISE NOTED OR DIMENSIONED. REFER TO FLOOR PLAN FOR PARTITION THICKNESS.

PROVIDE UL RATED CONCRETE BLOCK AT ALL FIRE RATED PARTITIONS.
SEAL ALL WALL PENETRATIONS AT PERIMETER AND FIRESTOP ALL RATED PARTITIONS.

EXTEND CONCRETE BLOCK PARTITIONS FULL HEIGHT TO UNDERSIDE OF STEEL DECK ABOVE OR PRECAST PLANK ABOVE (IF APPLICABLE). REFER TO DETAIL B1010. PROVIDE HORIZONTAL MASONRY JOINT REINFORCEMENT AT 16" OC VERTICALLY. REFER TO STRUCTURAL DRAWINGS FOR VERTICAL REINFORCEMENT REQUIREMENTS.

KEYNOTE LEGEND - CONSTRUCTION TYPES BY SHEET	
TAG	CONSTRUCTION DESCRIPTION
C2	5/8" GYPSUM BOARD CEILING ON METAL SUSPENSION SYSTEM SUSPENDED FROM STRUCTURE ABOVE.
C5	EXTERIOR SOFFIT - DIRECT APPLIED EXTERIOR FINISH SYSTEM (DEFS) ON 5/8" GYPSUM SHEATHING ON METAL SUSPENSION SYSTEM SUSPENDED FROM STRUCTURE ABOVE. PROVIDE AIR & VAPOR BARRIER AGAINST PRECAST ELEMENTS ABOVE. PROVIDE 1 1/2" PROTECTED RIGID INSULATION ATTACHED TO UNDERSIDE OF STRUCTURE ABOVE. HOLD INSULATION IN PLACE W/ 1 1/2" Z FURRING.
C8	1 HR RATED, WOOD TRUSS FRAMED, ROOF-CEILING ASSEMBLY. UL DESIGN #S22. 5/8" TYPE 'X' GYPSUM BOARD ON VAPOR RETARDER ON RESILIENT CHANNELS @ 12" OC DIRECTLY SECURED TO TRUSS STRUCTURE ABOVE. PROVIDE DEFS FINISH.
C14	EXTERIOR SOFFIT - METAL SOFFIT PANEL SYSTEM (PROVIDE PERFORATION FOR VENTING WHERE CALLED FOR).
E2	ALUMINUM STOREFRONT SYSTEM WITH INSULATING GLASS.
E5	ALUMINUM CLAD WOOD WINDOW SYSTEM WITH INSULATING GLASS.
G2	METAL COPING SYSTEM: METAL COPING ON TREATED 2x WOOD BLOCKING.
G16	METAL WRAPPED FASCIA: METAL FASCIA.
G22	PRECAST CONCRETE COPING.
J2	PRECAST WATERTABLE. SEE DETAIL E1800 FOR PROFILE.
J4	PRECAST TRIM. SEE DETAIL E1800 FOR PROFILE.
J4A	PRECAST TRIM. SEE DETAIL E1800 FOR PROFILE.
J7	ALUMINUM OPEN DOUBLE RAIL RAILING SYSTEM W/ 1/2" SQUARE POSTS AND 3/4" PICKETS.
J9	PRECAST WANSICOT. 3 5/8" THICK.
J10	BRICK SOLDIER COURSE.
R2	SINGLE PLY ROOFING SYSTEM: FULLY ADHERED EPDM MEMBRANE ON 1" OF RIGID INSULATION ON 5/8" EXTERIOR SHEATHING ON WOOD TRUSS ROOF FRAMING. PROVIDE R-42 OF BLOWN INSULATION MINIMUM. FILL ENTIRE ROOF CAVITY UNLESS NOTED OTHERWISE. 1 HR RATED. CR CEILING SYSTEM IS PART OF THIS ASSEMBLY.
R2A	SINGLE PLY ROOFING SYSTEM: FULLY ADHERED EPDM MEMBRANE ON 1" OF RIGID INSULATION ON 5/8" EXTERIOR SHEATHING ON (STEEL ROOF FRAMING/DECKING).
S1	8" REINFORCED CONCRETE SLAB ON VAPOR RETARDER ON 6" DRAINAGE FILL.
S1A	6" REINFORCED CONCRETE SLAB ON 6" PRECAST CONCRETE DECK. SLOPE TO DRAINS. DRAINAGE SYSTEM TIED TO EXTERIOR DRAINAGE SYSTEM TO SUMP PITS. SEE GEOTECHNICAL REPORT.
S1C	4" REINFORCED CONCRETE TOPPING ON 6" DRAINAGE FILL. SLOPE TO DRAINS.
S2	3" REINFORCED CONCRETE TOPPING ON 6" PRECAST CONCRETE DECK. 3 HR RATED.
S2A	3" REINFORCED CONCRETE TOPPING ON 12" PRECAST CONCRETE DECK. 3 HR RATED.
S2D	3" REINFORCED CONCRETE TOPPING ON 4" HIGH DENSITY RIGID INSULATION ON 12" PRECAST CONCRETE DECK. 3 HR RATED.
S2F	4" REINFORCED CONCRETE TOPPING ON 2" HIGH DENSITY RIGID INSULATION ON DRAINAGE MAT ON WATERPROOFED CONCRETE ON 6" PRECAST CONCRETE DECK. 3 HR RATED.
S4A	1" GYPSUM UNDERLAYMENT ON 12" PRECAST CONCRETE DECK. 3 HR RATED.
S6	WOOD TRUSS FRAMED, FLOOR-CEILING ASSEMBLY: 1" GYPSUM UNDERLAYMENT, 3/4" TONGUE AND GROOVE PLWOOD SUBFLOOR ON WOOD FLOOR TRUSS SYSTEM. FILL CAVITY BLOWN-IN INSULATION, 5/8" TYPE 'X' GYPSUM BOARD ON VAPOR RETARDER ON 12" RESILIENT CHANNELS AT 12" OC DIRECTLY SECURED TO TRUSS STRUCTURE ABOVE. PROVIDE SOUND ISOLATION MAT AT TILE FLOORING LOCATIONS. 1 HR RATED. UL DESIGN #S63.
S6A	WOOD JOIST FRAMED, FLOOR-ROOF-CEILING ASSEMBLY: 60 MIL EPDM ON 5 1/2" HIGH DENSITY RIGID INSULATION, 3/4" TONGUE AND GROOVE PLWOOD SUBFLOOR ON WOOD FLOOR JOIST SYSTEM. FILL CAVITY BLOWN-IN INSULATION, 5/8" TYPE 'X' GYPSUM BOARD ON VAPOR RETARDER ON 12" RESILIENT CHANNELS AT 12" OC DIRECTLY SECURED TO TRUSS STRUCTURE ABOVE. PROVIDE HEAVY FOOT TRAFFIC PROTECTION MAT AT PATIO LOCATIONS. 1 HR RATED. UL DESIGN #S22.
S6B	60 MIL EPDM ON 6" HIGH DENSITY RIGID INSULATION ON VAPOR RETARDER ON 12" PRECAST CONCRETE DECK. 3 HR RATED. PROVIDE HEAVY FOOT TRAFFIC PROTECTION MAT AT PATIO LOCATIONS.
S7	2x COMPOSITE DECKING ON 2x WOOD FRAMING DECK, STAIN WOOD ELEMENTS TO MATCH DECKING, PAINT METAL ELEMENTS TO MATCH DECKING.