



September 10, 2018

Mr. Paul Grittner, Contaminated Material Management Specialist
Wisconsin Department of Natural Resources
Remediation and Development
PO Box 7921
Madison, WI 53707-7921

**Re: Soil Waste Management Plan – Alternative Storage Practices
Rock River Sediment Removal Project
Janesville, Wisconsin
BRRTS Activity # 02-54-577951**

Dear Mr. Grittner:

Please find attached a summary table of the analytical results of the dry sediment samples collected during the dredging pilot test. These results characterize the first 50 cubic yards of sediment. The results of additional dry sediment samples will be summarized and compared to the residual contamination levels (RCLs) in similar tables as analytical results are received. We will forward these comparisons to WDNR immediately with a request for an exemption to manage the material per the Amended Soil Management Plan. The completed Sample Results Notification form and a copy of the laboratory report also are included in this submittal.

EnviroAnalytics Group, LLC (EAG) has reviewed a copy of your August 6, 2018 response letter regarding the Amended Soil Management Plan. In comment 1 of this letter, WDNR concurs with the actions proposed in the Amended Soil Management Plan for the Rock River Sediment Removal Project to help comply with the storage requirements of NR718.05. WDNR also indicates that alternative storage practices may need to be conducted if these actions are not sufficient to comply with the requirements.

Jaines, LLC is in the process of developing a conceptual land use/zoning concept for redevelopment of the Former General Motors Assembly Plant. A copy of the most recent land use concept is attached and has been shared with the City of Janesville. Land use concept planning is still in the early stages for this site and final uses/topographic elevations and associated land cover requirements have not yet been fully designed. As beneficial to the region and environmental practices, EAG is recommending that the dredged sediment be reused to the maximum extent possible as part of the redevelopment civil design for this site. However, flexibility is desired at this point in the final reuse locations for this material. As such, EAG is requesting an exemption for the regulation that contaminated soil stockpiles cannot exceed 2,500 cubic yards, or cannot be stored for more than six months.

The exemption requested would include the following: Soil stockpile(s) in the range of up to 6,000 cubic yards would be constructed on-site and would remain in temporary locations for approximately xx days. Soils would be stockpiled onsite on an impervious surface and covered with poly sheeting and sandbag anchored rope netting for protection against stormwater and

wind over the winter. Soils would then be utilized as fill material (with continuing obligations such as engineered barriers if required) at final reuse locations yet to be determined.

One possible scenario envisioned for use of the dried sediment is to construct a landscaped earthen berm parallel to the railroad tracks on the north portion of the property. The berm would be installed on both the north side and the southside of the railway to create a visual and sound buffer for the adjacent lots. The interior of the berm would be completed with concrete debris and the dried sediment (dredging material) would be integrated in the fill mixture to minimize the presence of voids. A 2-foot thick engineered barrier or "cap" consisting of uncontaminated "clean" fill material would be placed on top of the landscape berm to prevent dermal contact with the impacted soils. Vegetation (native grasses and possibly ornamental landscaping) would be established as a final surface feature of the landscape berm. Each berm will be constructed with a width of approximately 35-feet at the base, 3:1 side slope and a height of approximately 6-feet. Construction of the berms, would begin after the completion of demolition of the assembly plant which is anticipated to be in the Spring/Summer of 2019.

Consequently, we hereby request a written exemption from NR 718.05 to allow for alternative storage practices of greater than 2,500 cys of soil for up to 12 months, subject to DNR approval of the final soil disposition. This alternative meets all other conditions of the applicable regulatory requirements and shall comply with the Amended Soil Management Plan.

Your review and approval of this alternative storage practice is requested. If you have any questions, please contact me at 314-835-2814 or by email at ddunn@enviroanalyticsgroup.com.

Sincerely,



Daniel M. Dunn
Director of Remediation
EnviroAnalytics Group, LLC
1515 Des Peres Rd, Suite 300
St. Louis, MO 63131

Enclosures:

Land use / zoning plan
Test America Analytical report
718 Exemption Request
Site plan with conceptual berm design

**FORMER GM
 SITE PLANNING**

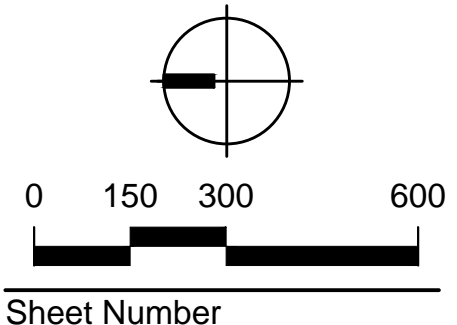
**NOT FOR
 CONSTRUCTION**

Commercial
 Development
 Inc.
 Janesville,
 Wisconsin

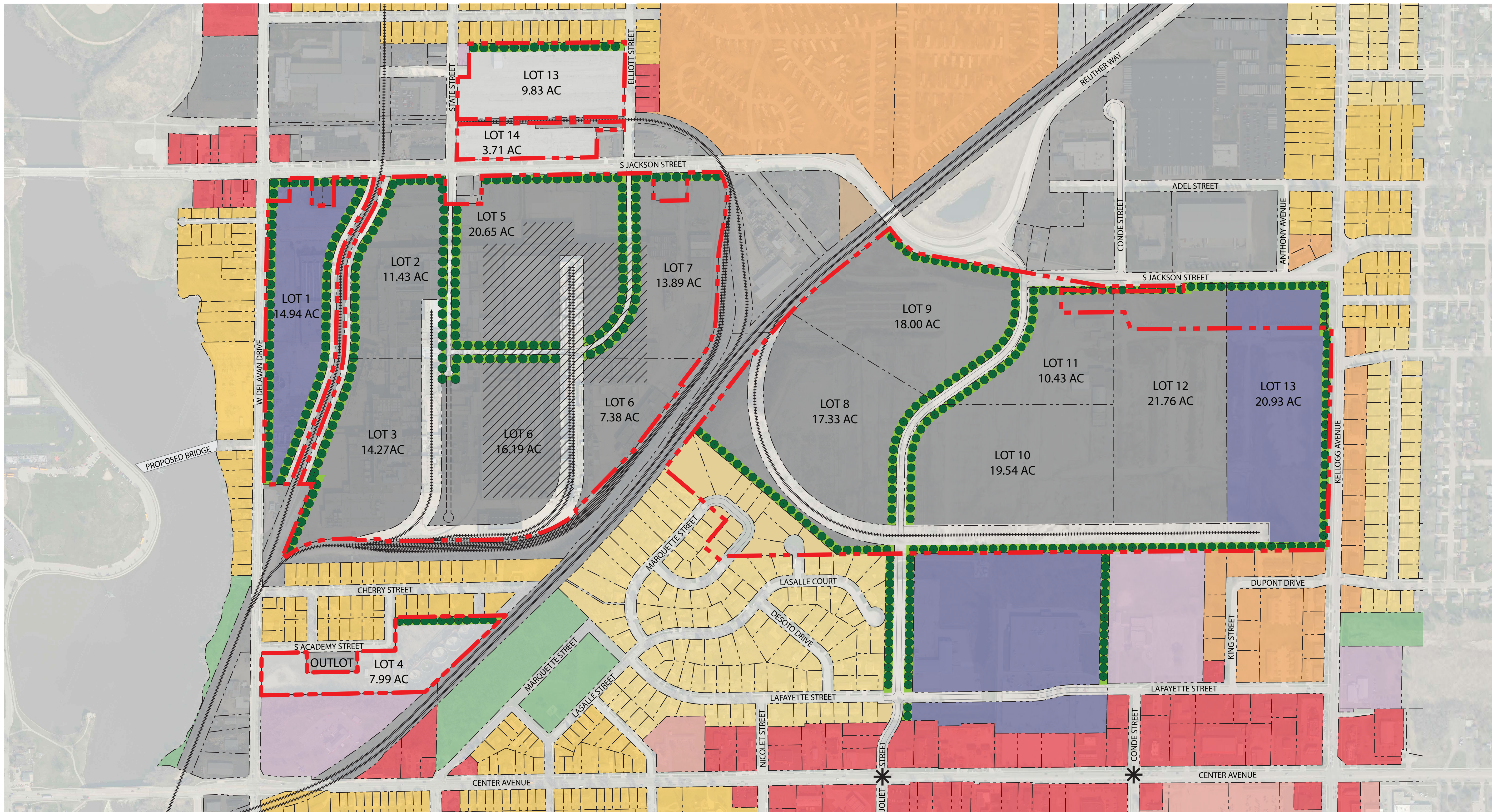
Drawn By: SK
 Checked By: JB
 File:
 Issued For:
 Issue Date: 08/29/2018
 Project No. 52-xxxx.xx

Sheet Title

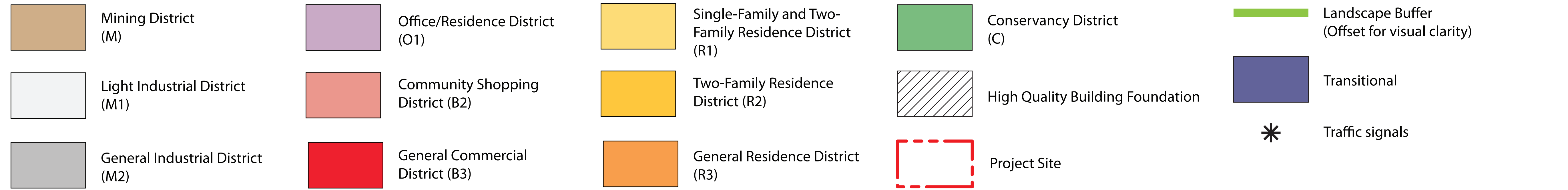
**PROPOSED LAND
 USE/ ZONING
 CONCEPT 3**

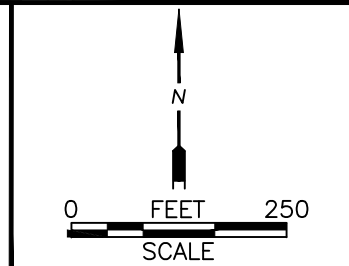
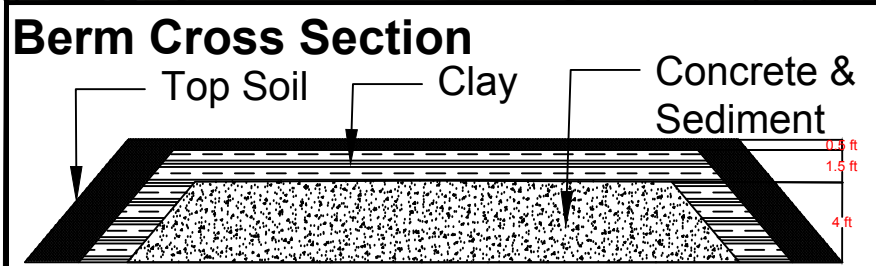
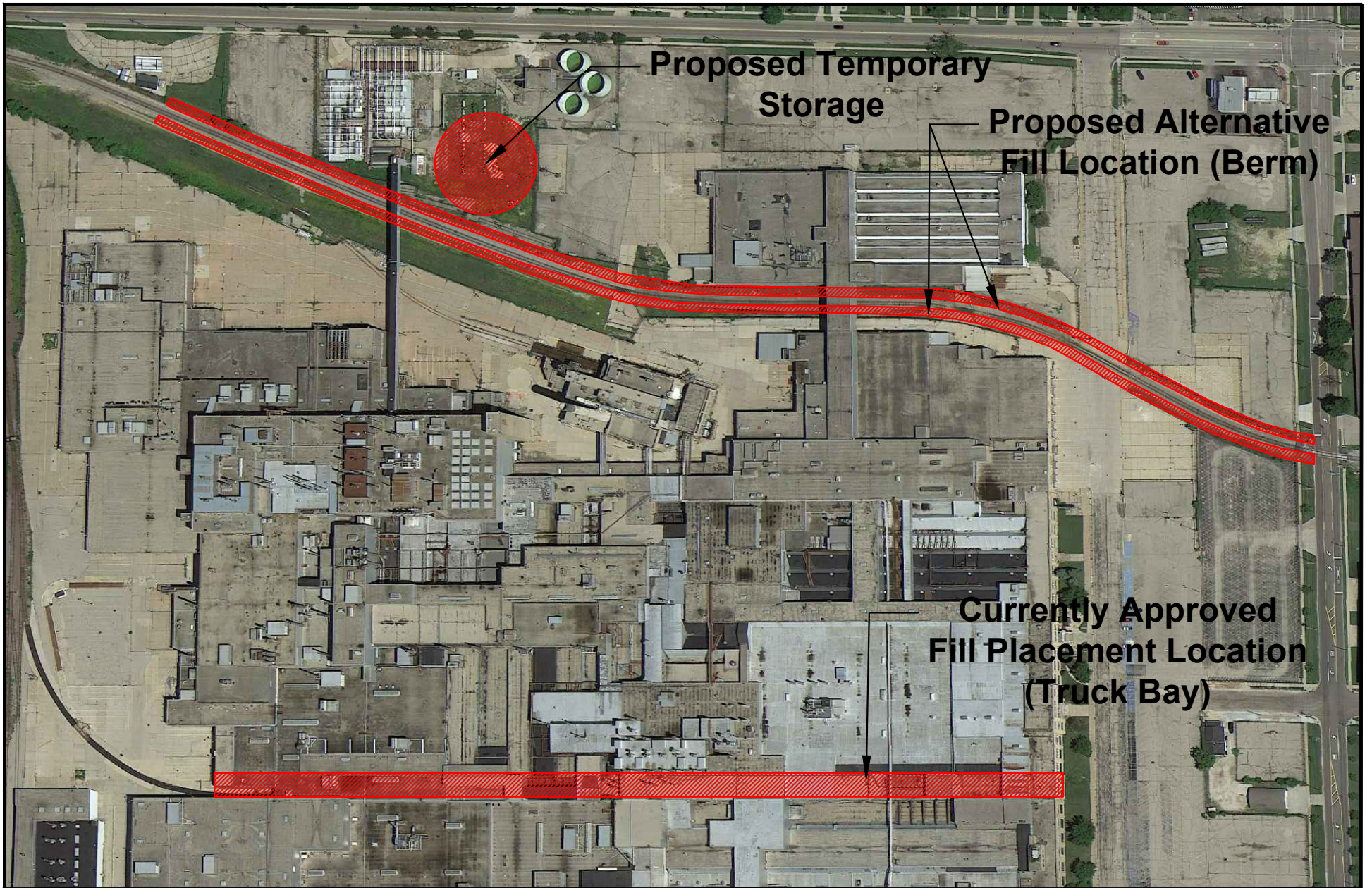


Sheet Number



Future Land Use





EnviroAnalytics
Group

FIGURE 1
PROPOSED ALTERNATIVE
SEDIMENT STORAGE
GM Janesville Assembly Plant
1000 General Motors Drive
Janesville, Wisconsin

DESIGN: PK	DRAWN: MN	CHKD.: PK
DATE: 09/05/18	SCALE: AS SHOWN	REV.:
W.O.NO.: EAG 2018JANESVILLE PLANT/FIGURE 1		

ROCK RIVER DREDGING PROJECT
DRIED SEDIMENT SAMPLING RESULTS
FORMER GENERAL MOTORS PLANT
JANESVILLE, WISCONSIN

SAMPLE TOTAL-SOLIDS

CAS	CHEMICAL	BACKGROUND CONCENTRATIONS (mg/kg)	CONCENTRATION (mg/kg)	VAPOR INTRUSION		DERMAL CONTACT		SOIL - TO - GROUNDWATER		WATER LEACH TEST		
				ACTION LEVEL (mg/kg)	EXCEED	ACTION LEVEL (mg/kg)	EXCEED	ACTION LEVEL (mg/kg)	EXCEED	CONCENTRATION (ug/L)	ACTION LEVEL (ug/L)	EXCEED
POLYCYCLIC AROMATIC HYDROCARBONS												
83-32-9	Acenaphthene		0.017			45200						
208-96-8	Acenaphthylene		0.024									
120-12-7	Anthracene		0.061			100000		196.9491525				
56-55-3	Benzo[a]anthracene		0.21	900		20.8						
50-32-8	Benzo[a]pyrene		0.23	12000		2.11		0.47			0.2	
205-99-2	Benzo[b]fluoranthene		0.32	280000		21.1		0.478087649				
191-24-2	Benzo[g,h,i]perylene		0.087									
207-08-9	Benzo[k]fluoranthene		0.13	2800000		211						
218-01-9	Chrysene		0.24	28000000		2110		0.144223108	E			
53-70-3	Dibenz(a,h)anthracene		0.02	28000		2.11						
206-44-0	Fluoranthene		0.5			30100		88.87780549				
86-73-7	Fluorene		0.02			30100		14.82993197				
193-39-5	Indeno[1,2,3-cd]pyrene		0.085	280000		21.1						
91-57-6	2-Methylnaphthalene		0.028			3010						
91-20-3	Naphthalene		0.02	17		24.1		0.658181818				
85-01-8	Phenanthrene		0.26									
129-00-0	Pyrene		0.42			22600		54.54545455				
METALS												
7440-38-2	Arsenic, Inorganic	8	1.7	3900		3		0.584	E		10	
7440-39-3	Barium	1070	48	3000000		100000		164.8			2000	
7440-43-9	Cadmium (Diet)	1	0.5	9300		985		0.752				
7440-47-3	Chromium, Total		9.9					360000			100	
7439-92-1	Lead and Compounds	37.7	71			800		27	E		15	
7782-49-2	Selenium	0.858	<0.77	120000000		5840		0.52			50	
7440-22-4	Silver		<0.17			5840		0.849096706				
7439-97-6	Mercury (elemental)	0.89	4.6	46		3.13	E	0.208	E		2	
POLYCHLORINATED BIPHENYL												
12674-11-2	Aroclor 1016		<41	440000		28000						
11104-28-2	Aroclor 1221		<51	4400		883						
11141-16-5	Aroclor 1232		<51	2400		792						
53469-21-9	Aroclor 1242		<38	13000		972						
12672-29-6	Aroclor 1248		<46	13000		975						
11097-69-1	Aroclor 1254		<25	18000		988						
11096-82-5	Aroclor 1260		<57	28000		1000						



Recommended Format for Exemption Request Wis. Admin. Code § NR 718.12 or § NR 718.15

Purpose

The purpose of this document is to provide a consistent format for consultants and responsible parties to demonstrate that the proposed management of solid waste material qualifies for a Wis. Admin. Code §§ NR 718.12 or NR 718.15 exemption and to request written approval of the exemption request. This document may be included as part of a Remedial Action Plan or Post Closure Modification Request, or can be submitted by itself depending on the activities conducted at the site. Using this recommended format will likely result in a faster DNR review. At a minimum, all exemption requests must satisfy the requirements of a soil management plan as outlined in Wis. Admin. Code § 718.12(2)(b).

Introduction

Soil and other solid waste generated from a response action site as part of an interim or remedial action may be managed at a site or facility that is not an operating licensed landfill if a Wis. Admin. Code §§ NR 718.12 or NR 718.15 exemption is obtained from the Department of Natural Resources (DNR). The site or facility where material will be managed (the receiving property) would be exempted from the Waste and Materials Management Program requirements established in Wis. Stat. § 289 and Wis. Admin. Code ch. NR 500 to NR 538. The “receiving property” may be the same site or facility where the solid waste was generated from, or it may be a different site or facility. An exemption through Wis. Admin. Code § NR 718.12 can be granted when soil is being managed as part of an interim action under Wis. Admin. Code § NR 708 or a remedial action under Wis. Admin. Code § NR 722. An exemption through Wis. Admin. Code § NR 718.15 can be granted when other solid waste material is managed as part of an interim or remedial action on the site from which it was generated. Managing solid waste material with either exemption requires prior written approval from the DNR.

If this exemption request involves contaminated material impacted by a discharge that has not been reported to the DNR, a ‘Notification for Hazardous Substance Discharge (non-emergency)’ form must be completed and submitted immediately as required by Wis. Admin. Code

§ NR 706. This form is located at <http://dnr.wi.gov/files/pdf/forms/4400/4400-225.pdf>.

This form is not intended to be used for immediate actions under Wis. Admin. Code § NR 708 as prior DNR approval is typically not required. Immediate actions do not require prior DNR approval if the requirements of Wis. Admin. Code § NR 718.12(1) are met, contaminant concentrations do not exceed Wis. Admin. Code § NR 720 soil residual contaminant levels, and the quantity of material managed is less than 100 cubic yards total.

Exemptions for projects involving large-scale disposal or requiring items such as a liner system, leachate treatment and an engineered cap, or projects proposing to place the material below the groundwater table, should not be requested using this format. Check with DNR staff before submitting such a proposal.

Document Instructions

Complete all sections of this document as instructed. Some portions of the document may be filled in directly as indicated, other responses will need to be completed separately and attached. Fully explain why any uncompleted section is not relevant. Submit one hardcopy and one electronic copy of the completed document and all required attachments and fees to the DNR project manager responsible for the site where the waste will be excavated. The request may be submitted to the regional environmental program associate (EPA) if a project manager has not been assigned to this case. A list of EPAs can be found here: <http://dnr.wi.gov/topic/Brownfields/Contact.html>.

Section 1 – General Information and Fees

Identify the purpose of the exemption by checking each box that applies:

- Manage contaminated soil on the same response action site from which it was generated (§ NR 718.12).
- Manage contaminated soil at a site or facility that is different from the response action site from which it was generated (§ NR 718.12).
- Manage other solid waste at the same site from which it was generated (§ NR 718.15).

If none of the above boxes are checked, the proposed waste management activity cannot be exempted through Wis. Admin. Code § NR 718. Management of waste material from a site other than a response action site may be allowed after obtaining a “low hazard exemption” from the DNR Waste and Material Management Program. Guidance on a ‘low hazard exemption’ request is located: <http://dnr.wi.gov/files/PDF/pubs/wa/wal645.pdf>.

Identify the applicable Wis. Admin. Code § NR 749 DNR review fees for this submittal by checking the applicable “On-Site Management Fee.” If material will be managed at a site or facility other than where it was generated, also select the appropriate “Off-Site Management Fee.” Record the combined fee sums in the space provided below.

NR 749 Fees for Requesting Wis. Admin. Code §§ NR 718.12 Soil or NR 718.15 Exemption			
Soil or Waste Managed on the Generating Property			
Action	Action Fee	WRRD Fee	On-Site MGMT Fee
Interim Actions per NR 708.11, with SMP and CO applied at other site/facility	\$700	No fee	<input type="checkbox"/> \$700
Remedial Action Plan approval, with SMP, without residual soil CO	\$1050	No fee	<input type="checkbox"/> \$1050
Remedial Action Plan approval, with SMP, with residual soil CO	\$1050	\$300	<input type="checkbox"/> \$1350
SMP submitted separately from a RAP or CO modification, without residual soil CO	\$700	No fee	<input type="checkbox"/> \$700
SMP submitted separately from a RAP or CO modification, with residual soil CO	\$700	\$300	<input checked="" type="checkbox"/> \$1000
Closed Sites: CO modification action, with SMP, without residual soil CO	\$1050	No fee	<input type="checkbox"/> \$1050
Closed Sites: CP modification action, with SMP, with residual soil CO	\$1050	\$300	<input type="checkbox"/> \$1350
Soil Managed on a Site or Facility other than the Generating Property			
Action	Action Fee	WRRD Fee	Off-Site MGMT Fee
Interim Actions per NR 708.11, with SMP and CO applied at other site/facility	\$700	\$350	<input type="checkbox"/> \$1050
Interim Actions per NR 708.11, with SMP and no CO applied at other site/facility	\$700	No fee	<input type="checkbox"/> \$700
All other Actions (Remedial actions, modifications to CO, etc.) with residual soil CO	\$700	\$300	<input type="checkbox"/> \$1000
All other Actions (Remedial actions, post closure modifications, etc.) with no residual soil CO	\$700	No fee	<input type="checkbox"/> \$700
Total of On-Site Management Fee and Off-Site Management Fee			\$

Other: If the request does not conform to one of the options above, summarize the request below and the fee that is being paid:


- 1) **SMP** – A Soil Management Plan submitted in accordance with NR 718.12 (1) and (2) or NR 718.15.
- 2) **“With residual soil CO”** - site will have a residual soil continuing obligation (e.g. engineering control, cap, or cover) applied at the source property at the end of the applicable action; remedial action approval, or approval by an addendum to the closure letter.
- 3) **“Without residual soil CO”** - site that will not have a residual soil continuing obligation applied at the source property at the end of the applicable action.
- 4) **WRRD** – Wisconsin Remediation and Redevelopment Database

Section 2 –Property and Contact Information

Fill in all applicable portions of this section.


A. Information About the Site or Facility From Which Material is Proposed to be Excavated – Complete all applicable boxes					
BRRTS No. 02-54-577951			BRRTS Activity (Site) Name FORMER GM ASSEMBLY PLANT		
Response Action Site Address 1000 GENERAL MOTORS DRIVE			VPLE No.		
City JANESVILLE			Parcel ID No. 241 0401300001		
State WISCONSIN			FID No.		
County ROCK			Zip Code 53546		
WTM Coordinates			WTM Coordinates Represent		
X: 42° 39' 51" N		Y: 87° 01' 20" W		Source Area <input type="checkbox"/>	Parcel Center <input checked="" type="checkbox"/>
1/4	1/4	Sec:	T:	R:	E/W:
Latitude:			Longitude:		
Current Zoning: M2 - GENERAL INDUSTRIAL			Current Land Use: FORMER ASSEMBLY PLANT - CURRENTLY VACANT		

The Wis. Admin. Code §§ NR 718.12 and/or NR 718.15 exemption(s) will be issued to the Wis. Admin. Code § NR 700 responsible party identified below and to the owner of the receiving site or facility, if different than the generating site. If there is more than one responsible party or property owner, include the information requested below for each as a separate document and attach to this document. If the responsible party is not the owner of the site or facility, provide that information below.

B. Responsible Party Information			
Responsible Party (RP) Name(s)		Company Name	
		JAINES LLC	
Signature(s)		Date	
		6/29/18	
Mailing Address	City	State	ZIP Code
1515 DES PERES ROAD SUITE 300	ST. LOUIS	MO	63131
Phone # (include area code)	Email		
314-835-1515			

C. Owner Information for Site or Facility From Which Material is Proposed to be Excavated from, if Different than Responsible Party			
Responsible Party (RP) Name(s)		Company Name	
Signature(s)		Date	
Mailing Address	City	State	ZIP Code
Phone No. (include area code)	Email		

Fill in this next section if someone other than the responsible party and/or facility owner is preparing this submittal.

D. Requestor Information			
Last Name	First	Organization/Business Name	
DUNN	DANIEL	ENVIROANALYTICS GROUP LLC	
Signature(s)			Date
			6-26-18
Mailing Address	City	State	ZIP Code
1515 DES PERES ROAD SUITE 300	ST. LOUIS	MO	63131
Phone No. (include area code)		Email	
314-835-2814		DDUNN@ENVIROANALYTICS GROUP.COM	
<p>Check the box that describes the requestor's relationship to the generating property:</p> <p><input checked="" type="checkbox"/> Is the property owner's agent or consultant</p> <p><input type="checkbox"/> Is renting or leasing the property</p> <p><input type="checkbox"/> Is developing the property</p> <p><input type="checkbox"/> Other, describe relationship: _____</p>			

E. Contact Information For Questions About this Request			
Last Name	First	Organization/Business Name	
DUNN	DANIEL	ENVIROANALYTICS GROUP LLC	
Mailing Address	City		Email
1515 DES PERES ROAD SUITE 300	ST. LOUIS		DDUNN@ENVIROANALYTICS GROUP.COM
State	Zip Code	Phone No. (include area code)	
MO	63131	314-835-2814	
Relationship to Requestor (Same, Consultant, Developer, Etc.):			
CONSULTANT			

F. Information About the Site or Facility Where Contaminated Soil Will Be Disposed, if at a Different Location Than The Site or Facility From Which it Was Generated

Select If Same as Generating Property (and skip remainder of section)

BRRTS No.			BRRTS Activity (Site) Name		
Receiving Site or Facility Address			VPLE No.		
City			Parcel ID No.		
State			FID No.		
County			Zip Code		
WTM Coordinates			WTM Coordinates Represent		
X:		Y:	Source Area <input type="checkbox"/>		Parcel Center <input type="checkbox"/>
$\frac{1}{4}$	$\frac{1}{4}$	Sec:	T:	R:	E/W:
Latitude:			Longitude:		
Current Zoning:			Current Land Use:		

G. Receiving Site or Facility (Source Property or Off-Site Property) Owner Information

Provide the following information for the owner of the receiving site or facility. If there is more than one property owner include the information requested below for each as a separate document and attach to this form.

Property Owner Name(s) Michael Roberts Thomas Roberts		Company Name JAINES LLC	
Mailing Address 1515 DES PERES ROAD SUITE 300		City ST. LOUIS	State MO
Phone No. (include area code) 314-835-1515		ZIP Code 63131	
Phone No. (include area code)		Email	

Section 3 – Waste Characterization

Address the following items to describe the contaminated soil and/or other solid waste material that will be managed under this plan and demonstrate that it has been adequately characterized. Attach your responses to these items at the end of this document.

- A. Describe the material proposed to be managed, including its general makeup, physical characteristics, the homogeneity of the material, the proportion of soil to other solid waste, and any other pertinent descriptors.
- B. Describe the historic and current land use of the site or facility where the contaminated soil or other solid waste originates. State how this site or facility is zoned.
- C. Total volume of contaminated soil and/or other solid waste to be managed (cubic yards):
- D. Describe identified contaminants and the source(s). Indicate whether contaminant concentrations exceed Wis. Admin. Code § NR 720 Residual Contaminant Levels. Include a summary table, map with sample locations, and relevant laboratory data.
- E. Describe the sampling activities conducted to characterize the material including where the samples were collected from, how sample locations were chosen, the sampling methods used, and when sampling activities were conducted.
- F. Explain how the sampling activities adequately characterized the contaminated soil or other solid waste proposed to be managed. Indicate whether the samples were analyzed for all contaminants previously identified at the site or facility where the material will be generated and analyzed for all contaminants potentially present at the site or facility considering current and historic land use. Discuss how samples were collected from areas most likely to be contaminated and from material that will actually be managed under this exemption.
- G. Total number of samples collected from this material and analyzed for contaminants of concern.

- H. Rate of sample collection per volume (samples/cubic yard).
- I. Wis. Admin. Code § NR 718.12(1)(e) requires that samples collected to characterize soil be collected at a rate of one sample per 100 yards (for the first 600 yards) and one sample for each additional 300 yards of material, with a minimum of 2 samples. If the DNR pre-approved an alternative sampling plan, describe how the sampling that was conducted complied with a pre-approved plan. Provide the date the sampling plan was pre-approved and the name of the DNR person who approved the plan.

Section 4 – Project Description/Material Management Plan

Address the following items to describe the material management activities proposed to take place. Attach your responses to these items at the end of this document.

- A. Describe the waste management activities that will require a Wis. Admin. Codes §§ NR 718.12 or NR 718.15 exemption. Provide details on how and where waste material will be generated, transported and placed. Describe the depth of the proposed excavation of contaminated soil or other solid waste, and the depth that it will be placed at the receiving site. Describe any response actions proposed for the receiving site or facility to address the relocated contaminated material (such as the construction of a cap). Confirm the proposed material management will comply with Wis. Admin. Code § NR 726.13(1)(b) 1 through 5. Discuss how material management activities will fit in with the overall property remediation and/or development plans.
- B. Summarize the proposed schedule for implementation of the material management plan including anticipated start and end dates.
- C. Describe any procedures that have been established, or methods that will be used, to identify previously undocumented contamination during the completion of this project (such as instrument field screening, visual inspections, etc.). Also describe any contingency procedures that have been established to address unexpected contamination. The discovery of a previously unknown contaminant release on a property must be immediately reported to the DNR using the ‘Notification for Hazardous Substance Discharge (non-emergency)’ form.
- D. Summarize how the proposed management activities will prevent or minimize adverse environmental impacts and potential threats to human health and welfare, including worker safety, by assessing how all potential exposure and migration pathways of concern, including direct contact exposure, vapor intrusion, ground water, surface water, sediment and any other relevant pathway will be addressed by the proposed management.

Section 5 - Receiving Site or Facility Information

Describe the site or facility receiving the waste material by addressing the following items. Where applicable, attach your responses to these items at the end of this document.

- A. Is the receiving site or facility the same as the generating site? X Yes _____ No
- B. Describe the historic, current and proposed land use of the site(s) or facility(s) where the contaminated soil or other solid waste will be managed. How are these site(s) or facility(s) zoned?

C. Identify current uses of all properties adjacent to the site or facility. Check all that apply.

Agricultural	<input type="checkbox"/> N	<input type="checkbox"/> S	<input type="checkbox"/> E	<input type="checkbox"/> W	<input type="checkbox"/> NE	<input type="checkbox"/> NW	<input type="checkbox"/> SE	<input type="checkbox"/> SW
Industrial	<input type="checkbox"/> N	<input checked="" type="checkbox"/> S	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/> W	<input type="checkbox"/> NE	<input type="checkbox"/> NW	<input checked="" type="checkbox"/> SE	<input checked="" type="checkbox"/> SW
Recreational	<input checked="" type="checkbox"/> N	<input type="checkbox"/> S	<input type="checkbox"/> E	<input type="checkbox"/> W	<input type="checkbox"/> NE	<input type="checkbox"/> NW	<input type="checkbox"/> SE	<input type="checkbox"/> SW
Residential	<input checked="" type="checkbox"/> N	<input type="checkbox"/> S	<input checked="" type="checkbox"/> E	<input checked="" type="checkbox"/> W	<input checked="" type="checkbox"/> NE	<input checked="" type="checkbox"/> NW	<input checked="" type="checkbox"/> SE	<input checked="" type="checkbox"/> SW
Undeveloped	<input type="checkbox"/> N	<input type="checkbox"/> S	<input type="checkbox"/> E	<input type="checkbox"/> W	<input type="checkbox"/> NE	<input type="checkbox"/> NW	<input type="checkbox"/> SE	<input type="checkbox"/> SW
Commercial	<input type="checkbox"/> N	<input type="checkbox"/> S	<input type="checkbox"/> E	<input type="checkbox"/> W	<input type="checkbox"/> NE	<input type="checkbox"/> NW	<input type="checkbox"/> SE	<input type="checkbox"/> SW
Other	<input type="checkbox"/> N	<input type="checkbox"/> S	<input type="checkbox"/> E	<input type="checkbox"/> W	<input type="checkbox"/> NE	<input type="checkbox"/> NW	<input type="checkbox"/> SE	<input type="checkbox"/> SW

Describe 'Other' property use below:

- D. Briefly describe any previous environmental site investigations or remedial actions conducted at the site or facility. Describe the environmental condition of the portion of the receiving site or facility where waste will be placed including what contaminants are present, the environmental sampling conducted in that area, and whether identified contaminant concentrations exceed applicable standards.
- E. Describe any environmentally sensitive areas at or near the site or facility where the contaminated soil will be managed.
- F. Describe any other features of this property not addressed above that influence its suitability for the disposal of the contaminated soil or other solid waste.
- G. Briefly discuss the geology and hydrogeology of the receiving site or facility, including information from any previous remedial investigations and well logs or well construction records from nearby wells. Also, provide the information requested below indicating whether the response is based on regional or site specific information:

Depth to Bedrock (ft. below ground surface): 2.5' - 260' Regional Site Specific

Bedrock Type: Sandstone Limestone/Dolomite Metamorphic/Igneous

High Groundwater Level (ft. below ground surface): 5' Regional Site Specific

Groundwater Flow Direction: NORTH Regional Site Specific

Section 6 – Locational Criteria

Indicate if excavated waste material will be placed in any of the following locations:

- Within a floodplain.
- Within 100 feet of any wetland or critical habitat area.
- Within 300 feet of any navigable river, stream, lake, pond, or flowage.
- Within 100 feet of any on-site water supply well or 300 feet of any off-site water supply well.
- Within 3 feet of the high groundwater level.
- At a depth greater than the depth of the original excavation from which the contaminated soil was removed.

If any of the above boxes are checked, an exemption from the indicated criteria must be requested as described below. If none of the above boxes are checked, and the proposed placement of waste material will not otherwise pose a threat to the public health, safety, or welfare of the environment, the proposed management activities will comply with the location criteria of Wis. Admin. Code § NR 718.12(1)(c) and you may skip ahead to Section 7.

Include an explanation of why granting an exemption to the Wis. Admin. Code § NR 718.12(1)(c) locational criteria will not cause a threat to public health, safety, welfare and the environment by assessing how all potential exposure and migration pathways of concern, including direct contact exposure, vapor intrusion, ground water, surface water, sediment and any other relevant pathway will be addressed by the proposed management. Consider the quantity and characteristics of the waste being managed, the geologic and hydrogeological characteristics of the receiving site, the unavailability of other environmentally suitable alternatives, and whether the activities will comply with other state and federal regulations including other portions of Wis. Admin. Code §§ NR 700 to NR 754. Attach your response to the end of this document.

Section 7 – Additional Information Required for Non-Metallic Mine Receiving Sites or Facilities

Complete this section if the proposed disposal facility is a non-metallic mine.

- A. Current depth to groundwater at facility (feet below ground surface): _____
- B. Has the facility been dewatered to allow mining? Yes No
- If yes, indicate the expected natural groundwater level when dewatering is terminated (feet below ground surface): _____
- C. Is waste proposed to be placed within 10 feet of the natural water table? Yes* No
* *If yes, placement of the waste will not comply with Wis. Admin. Code §§ NR 503.08(1)(e) and NR 503.08(2)(d) .*
- D. Include a copy of the reclamation plan indicating the placement of low level contaminated material is acceptable.
- E. Describe any design criteria established for the disposal site, include restrictions on material placement, engineered barrier requirements, etc. Attach your response to this item at the end of this document.

Section 8 – Continuing Obligations at Receiving Site or Facility

Check the applicable boxes to indicate which continuing obligations will be specifically required to address the waste material being managed on the receiving property:

No Continuing Obligations

Residual Soil Contamination:

If contaminated soil managed under this soil management plan is excavated in the future, the property owner at the time of excavation will be responsible for the following:

- determine if contamination is present,
- determine whether the material would be considered solid or hazardous waste,
- ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules.

Contaminated soil may be managed in accordance with Wis. Admin. Code § NR 718, with prior DNR approval. In addition, all current and future property owners and occupants of the property and right-of-way holders need to be aware that excavation of the contaminated soil may pose a hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans. A historic fill exemption is required prior to construction of any structures over fill materials.

Depending on site-specific conditions, construction over contaminated soils or groundwater may also result in vapor migration of contaminants into enclosed structures or migration along underground utility lines. The potential for vapor intrusion and means of mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

Maintenance of a cover:

A soil cover/engineered cover/other has been placed over remaining contamination and this cover must be maintained. Inspections will be required, and submittal of inspection reports may be required. Certain activities which would disturb the cover or barrier will be prohibited. If the cover is approved for industrial land use, notification of the DNR is required before changing to a non-industrial use, to determine if the cover will be protective for that use. A maintenance plan is attached, which describes the maintenance activities to be required. If the DNR requires changes to the maintenance plan, an updated maintenance plan must be provided at the completion of the soil disposal action. A map is attached which shows the location of the extent of contaminated materials and the extent of the cover.

Use of Industrial Land Use Soil Standards:

Industrial soil standards have been applied for the site receiving the contaminated materials. The DNR must be notified if the property land use will change from industrial use to a non-industrial land use. Additional investigation and remediation may be required prior to the change in land use to ensure the site conditions are protective for the planned land use.

Vapor: Future Actions to Address Vapor Intrusion:

While vapor intrusion does not currently exist, if a building is constructed on this property, or reconstructed, or if use of a building is changed to a non-industrial use, vapor intrusion may be a concern. The DNR must be notified before construction of a building or changing the use of an existing building to non-industrial use. The use of vapor control technologies or an assessment of the potential for vapor intrusion will be required at that time.

Site specific condition:

Describe the site specific condition:

Section 9 – Figures

Attach to this form figures that clearly depict the items listed below. All maps should be drawn to scale not larger than 1 inch equal to 100 feet and labeled with the site or facility name and address. The location of the property and the specific disposal area must be provided in sufficient detail to allow DNR personnel to inspect these areas in the future. Providing a 'cut/fill' map that clearly depicts how much material will be removed or added to different areas of the involved property(ies) and depicting how material will be moved across the site is highly recommended. Providing cross sections that depict site conditions before and after soil management activities is also recommended.

- The boundaries of each property involved in the project as well as named and unnamed roads or access points, buildings and other surface features, underground utilities, land uses on adjacent properties, and known and potential sources of hazardous substances.
- The location of wetlands, critical habitat areas, floodplains, surface water bodies, water supply wells, or other possible receptors located near or within the area where material will be managed.

- The lateral extent and depth of planned excavation, grading, or otherwise disturbed areas.
- The lateral extent and thickness of excavated material placement locations.
- Soil sample locations at the generating and receiving sites. Depict applicable soil contaminant concentration data and sample depths. Indicate the extent of contamination exceeding a RCL.
- Depth to groundwater.
- The extent of any performance standards (such as a barrier or cap) that will be required at the completion of management activities.

Section 10 - Additional Attachments

The following documents are recommended for inclusion with a Wis. Admin. Code § NR 718.12 or a Wis. Admin. Code § 718.15 exemption request. Indicate which of these documents are applicable to this request by checking the boxes below. Submit copies of the indicated documents with this document.

- A table summarizing the analytical results of all soil/waste samples collected at the generating site or facility that meets the requirements of Wis. Admin. Code § 716.15(4)(e). Clearly indicate which of these samples were collected from material that is proposed to be managed.
- The analytical package for all samples listed on the above table. The package should include the sample results, chain of custody, sampling methods, and QA/QC data.
- A maintenance plan for any performance standard needed to address the material proposed to be managed. The plan should follow the format found in [DNR Form 4400-202, Attachment D](#).
- A copy of the reclamation plan for the receiving site or facility if it is a nonmetallic mine. Confirm the plan allows for acceptance of contaminated soil by marking relevant plan sections.
- Power of Attorney (if applicable, see Section 12).
- Deed for the property receiving the contaminated soil and or waste. If a certified survey map or plat map is referenced by this deed then also include those documents. If a map is not referenced in the deed, provide a copy of a parcel map depicting the property boundaries.


Section 11 - Certification Statements

All exemption requests submitted to manage contaminated soil or other solid waste as an interim action or remedial action under Wis. Admin. Code §§ NR 708 or NR 722 must be prepared by, or prepared under, the supervision of a professional engineer. The professional engineer who prepared or supervised this exemption request should complete the following section.

Environmental Consultant Information	
Firm Name ENVIROANALYTICS GROUP, LLC	
Mailing Address 1515 DES PERES ROAD SUITE 300	State MO
City ST. LOUIS	ZIP Code 63131


Wis. Admin. Code § NR 712, entitled "Personnel Qualifications for Conducting Environmental Response Actions," establishes minimum standards for experience and professional qualifications for persons who perform certain environmental services. This law applies to work conducted under Wis. Admin. Code § NR 718, unless specifically exempted.

Note: The following certification must be attached to confirm the Wis. Admin. Code § NR 718 exemption request was prepared by or under the supervision of a professional engineer under Wis. Admin. Code § NR 712.07.

Professional Engineer Information			
Last Name DUNN		First Name DANIEL	
Mailing Address 1515 DES PERES ROAD SUITE 300	City ST. LOUIS	State MO	ZIP Code 63131
Phone No. (include area code) 314-835-2814	Email DDUNN@ENVIROANALYTICSGROUP.COM		
<p>"I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.</p> <p>It is my professional opinion that the proposed soil management activity will not cause environmental pollution nor cause any other significant risk to public health, safety or welfare."</p>			
Signature 	Date 6-26-18	Wisconsin Registration Number 39834-6	

Section 12 - Signatures

Each receiving site or facility property owner's signature must be included as part of this request. Attach additional copies of the signature page, if needed. If one of the owners of the receiving site or facility is acting on behalf of other owners, a power of attorney form or statement must be signed and attached to this agreement clearly granting the agent the authority to accept the contaminated soils on behalf of all other owners of the receiving site or facility whose signatures are not included on this agreement.

Owner(s) of Property Where Material is Placed		
Print Name	Signature	Date
Tom ROBERTS		6/29/18
Print Name	Signature	Date
Print Name	Signature	Date
Print Name	Signature	Date

I understand that by signing this application I certify that I will follow the conditions and limitations required by law and specified in the exemption issued to me as owner of the site or facility that will receive the contaminated soil. Further, I certify that the contaminated soil proposed to be managed under this exemption will be at a property that meets the definition of "site" or "facility" under Wis. Stats. Chapter 292 and Wis. Admin. Code Chapters §§ NR 700 – 754, and I understand that the material must be managed any time in the future as a solid waste with the department's approval. I understand that this exemption will be tracked in the Wisconsin Remediation and Redevelopment Database, and if required, will include maintenance and inspection by me of any continuing obligations, such as maintaining an engineering control or barrier over the contaminated material, and will also be subject to inspection by the department. I understand that the conditions on my site or facility may be subject to Wis. Stats. Chapter 709, Disclosures by Owners of Real Estate. I believe that the legal description for all properties where material will be managed is included with this submittal.

RR Program Contacts

General questions regarding Wis. Admin. Code §§ NR 718.12 and 718.15 exemptions should be made to:

- Statewide: Paul Grittner, Paul.Grittner@wisconsin.gov, (608) 266-0941
- Northeast Region: Kristin DuFresne, Kristin.Dufresne@wisconsin.gov, (920) 662-5443
- Northern Region: Chris Saari, Chris.Saari@wisconsin.gov, (715) 685-2920
- South Central Region: Mike Schmoller, Michael.Schmoller@wisconsin.gov, (608) 275-3303
- Southeast Region:
 - Nancy Ryan, Nancy.Ryan@wisconsin.gov, (414) 263-8533
 - Linda Michalets, Linda.Michalets@wisconsin.gov, (414) 263-8757
- West Central Region: Matt Thompson, Matthew.Thompson@wisconsin.gov, (715) 839-3750

This document is intended solely as guidance and does not include any mandatory requirements except where requirements found in statute or administrative rule are referenced. This guidance does not establish or affect legal rights or obligations and is not finally determinative of any of the issues addressed. This guidance does not create any rights enforceable by any party in litigation with the State of Wisconsin or the Department of Natural Resources. Any regulatory decisions made by the Department of Natural Resources in any manner addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.

The Wisconsin Department of Natural Resources provides equal opportunity in its employment, programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Chief, Public Civil Rights, Office of Civil Rights, U.S. Department of the Interior, 1849 C. Street, NW, Washington, D.C. 20240.

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Remediation and Redevelopment Program **April 2017**

NR 718.12 Sample Results Notification

Purpose
 The purpose of this document is to comply with the requirements of Wis. Admin. Code § NR 718.12 (1)(e)(4).

Introduction

This document may be used to comply with the requirements of Wis. Admin. Code § NR 718.12 (1)(e)(4). The rule requires that responsible parties report to the Department of Natural Resources (DNR) analytical results for samples collected to characterize soil that will be managed under a Wis. Admin. Code § NR 718.12 exemption. Analytical results must be reported to the DNR in writing within 10 business days after receiving the sampling results.

Document Instructions

Complete and submit this form, along with laboratory data, to the appropriate DNR project manager. If you do not know who the project manager is, this documentation can be sent to the Environmental Program Associate in the appropriate region. A list of DNR EPAs can be found here: <http://dnr.wi.gov/topic/Brownfields/Contact.html>.

Site Information Where Material Is Proposed to be Excavated			
Site Name Former General Motors Plant	FID #	BRRTS # 02-54-577951	
Address 1000 General Motors Drive	City Janesville	State WI	ZIP Code 53546

Responsible Party Information			
Responsible Party Company Name and/or Contact Person Jaines, LLC c/o Daniel M. Dunn			
Email address ddunn@enviroanalyticsgroup.com	Phone Number (with area code) 314-835-2814		
Mailing Address 1515 Des Peres Road, Suite 300	City Saint Louis	State MO	ZIP Code 63131

Property Owner			
Property Owner – Company Name and/or Contact Person Jaines, LLC c/o Mike Roberts			
Email address mroberts@cdcco.com	Phone Number (with area code) 314-835-1515		
Address 1515 Des Peres Road, Suite 300	City Saint Louis	State MO	ZIP Code 63131

Sample Collector			
Submitted By – Company Name and Contact Person EnviroAnalytics Group, LLC c/o Riley Underwood			
Email address runderwood@enviroanalyticsgroup.com	Phone Number (with area code) 636-577-5056		
Address 1515 Des Peres Road, Suite 300	City Saint Louis	State MO	ZIP Code 63131

Laboratory Information

Company Name:

Test America, Inc.

Wisconsin Laboratory Certification Number:

999580010

Attach the analytical package for all sample data. The package should include the sample results, chain of custody, sampling methods, and QA/QC data. Clearly indicate which samples were collected from the material that is proposed to be managed under the Wis. Admin. Code § NR 718.12 exemption.

It is recommended that a table summarizing the sample results, and meets the requirements of Wis. Admin. Code § 716.15(4)(e), be included.

This document is intended solely as guidance and does not include any mandatory requirements except where requirements found in statute or administrative rule are referenced. This guidance does not establish or affect legal rights or obligations and is not finally determinative of any of the issues addressed. This guidance does not create any rights enforceable by any party in litigation with the State of Wisconsin or the Department of Natural Resources. Any regulatory decisions made by the Department of Natural Resources in any manner addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.

The Wisconsin Department of Natural Resources provides equal opportunity in its employment, programs, services, and functions under an Affirmative Action Plan. If you have any questions, please write to Chief, Public Civil Rights, Office of Civil Rights, U.S. Department of the Interior, 1849 C. Street, NW, Washington, D.C. 20240.

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-150867-1

Client Project/Site: Rock River Sediment Removal, Janesville

For:
EnviroAnalytics Group LLC
1515 Des Peres Rd.
Suite 300
Saint Louis, Missouri 63131

Attn: Mr. Daniel Dunn



Authorized for release by:
9/5/2018 7:03:13 PM

Jim Knapp, Project Manager II
(630)758-0262
jim.knapp@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

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

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

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Case Narrative

Client: EnviroAnalytics Group LLC
Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Job ID: 500-150867-1

Laboratory: TestAmerica Canton

Narrative

Job Narrative
240-100699-1

Comments

No additional comments.

Receipt

The samples were received on 9/1/2018 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.8° C.

Metals

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

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-150867-1

Comments

No additional comments.

Receipt

The samples were received on 9/1/2018 10:28 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 15.1° C.

GC/MS Semi VOA

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

GC Semi VOA

Method(s) 8082A: The following sample required a mercury clean-up, via EPA Method 3660A, to reduce matrix interferences caused by sulfur: Total Solids (500-150867-4). The reagent lot number used was: 182359.

Method(s) 8082A: The following sample was diluted due to the nature of the sample matrix: Total Solids (500-150867-4). Elevated reporting limits (RLs) are provided.

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

Metals

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

General Chemistry

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

Organic Prep

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

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-81527-1

Comments

No additional comments.

Receipt



Case Narrative

Client: EnviroAnalytics Group LLC
Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Job ID: 500-150867-1 (Continued)

Laboratory: TestAmerica Pittsburgh (Continued)

The samples were received on 9/1/2018 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.4° C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. There is no original relinquished by time listed on the COC and also no relinquished by to Pgh date or time listed.

GC Semi VOA

Method(s) 608, 608.3: The continuing calibration verification (CCV) associated with batch 255751 recovered above the upper control limit for 1016 and surrogate DCB. The samples associated with this CCV were non-detects for the affected analytes or reported from the passing column; therefore, the data have been reported.

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

Organic Prep

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

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Detection Summary

Client: EnviroAnalytics Group LLC
Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Client Sample ID: HG FIELD BLANK

Lab Sample ID: 240-100699-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Total Mercury	0.17	J	0.50	0.14	ng/L	1		1631E	Total/NA

Client Sample ID: R1

Lab Sample ID: 500-150867-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.089	J	0.78	0.059	ug/L	1		625	Total/NA
Fluoranthene	0.44	J	0.78	0.16	ug/L	1		625	Total/NA
Naphthalene	0.89		0.78	0.12	ug/L	1		625	Total/NA
Phenanthrene	0.49	J	0.78	0.17	ug/L	1		625	Total/NA
Pyrene	0.48	J	0.78	0.18	ug/L	1		625	Total/NA
Total Mercury	880		50	14	ng/L	100		1631E	Total/NA
Lead	190		2.5	1.3	ug/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	9.7		5.0	2.1	ug/L	1		200.7 Rev 4.4	Total Recoverable
Zinc	340		10	3.6	ug/L	1		200.7 Rev 4.4	Total Recoverable
Oil & Grease	4.2	J B	5.5	1.5	mg/L	1		1664B	Total/NA
Total Suspended Solids	520		100	39	mg/L	1		SM 2540D	Total/NA
Phosphorus as P	0.078	J	0.10	0.048	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: G1-01

Lab Sample ID: 500-150867-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.5		0.83	0.13	ug/L	1		625	Total/NA
Total Mercury	200		20	5.6	ng/L	40		1631E	Total/NA
Lead	45		2.5	1.3	ug/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	8.9		5.0	2.1	ug/L	1		200.7 Rev 4.4	Total Recoverable
Zinc	95		10	3.6	ug/L	1		200.7 Rev 4.4	Total Recoverable
Oil & Grease	2.0	J B	5.6	1.5	mg/L	1		1664B	Total/NA
Total Suspended Solids	90		20	7.7	mg/L	1		SM 2540D	Total/NA
Phosphorus as P	0.36		0.10	0.048	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: G2-01

Lab Sample ID: 500-150867-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	2.9		0.80	0.12	ug/L	1		625	Total/NA
Total Mercury	95		10	2.8	ng/L	20		1631E	Total/NA
Lead	19		2.5	1.3	ug/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	2.9	J	5.0	2.1	ug/L	1		200.7 Rev 4.4	Total Recoverable
Zinc	120		10	3.6	ug/L	1		200.7 Rev 4.4	Total Recoverable
Oil & Grease	2.1	J B	5.6	1.5	mg/L	1		1664B	Total/NA
Total Suspended Solids	26		5.0	1.9	mg/L	1		SM 2540D	Total/NA
Phosphorus as P	0.19		0.10	0.048	mg/L	1		SM 4500 P E	Total/NA

Client Sample ID: Total Solids

Lab Sample ID: 500-150867-4

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Client Sample ID: Total Solids (Continued)

Lab Sample ID: 500-150867-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	17	J	48	8.6	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	24	J	48	6.3	ug/Kg	1	☼	8270D	Total/NA
Anthracene	61		48	8.0	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	210		48	6.5	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	230		48	9.3	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	320		48	10	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	87		48	15	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	130		48	14	ug/Kg	1	☼	8270D	Total/NA
Chrysene	240		48	13	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	20	J	48	9.3	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	500		48	8.9	ug/Kg	1	☼	8270D	Total/NA
Fluorene	20	J	48	6.7	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	85		48	12	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	20	J	48	7.4	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	260		48	6.7	ug/Kg	1	☼	8270D	Total/NA
Pyrene	420		48	9.5	ug/Kg	1	☼	8270D	Total/NA
1-Methylnaphthalene	17	J	97	12	ug/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	28	J	97	8.8	ug/Kg	1	☼	8270D	Total/NA
Arsenic	1.7		1.3	0.45	mg/Kg	1	☼	6010B	Total/NA
Barium	48	B	1.3	0.15	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.50	B	0.26	0.047	mg/Kg	1	☼	6010B	Total/NA
Chromium	9.9		1.3	0.65	mg/Kg	1	☼	6010B	Total/NA
Lead	71		0.65	0.30	mg/Kg	1	☼	6010B	Total/NA
Mercury	4600		580	190	ug/Kg	25	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Method Summary

Client: EnviroAnalytics Group LLC
Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Method	Method Description	Protocol	Laboratory
625	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
200.7 Rev 4.4	Metals (ICP)	EPA	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
1664B	HEM and SGT-HEM	1664B	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL CHI
SM 4500 P E	Phosphorus	SM	TAL CHI
1664B	HEM and SGT-HEM (SPE)	1664B	TAL CHI
200.7	Preparation, Total Recoverable Metals	EPA	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
625	Liquid-Liquid Extraction	40CFR136A	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI
SM 4500 P B	Phosphorous, Total and Ortho	SM	TAL CHI

Protocol References:

1664B = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Sample Summary

Client: EnviroAnalytics Group LLC
Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-100699-4	HG FIELD BLANK	Water	08/31/18 15:45	09/01/18 09:30
500-150867-1	R1	Water	08/31/18 15:15	09/01/18 10:28
500-150867-2	G1-01	Water	08/31/18 15:25	09/01/18 10:28
500-150867-3	G2-01	Water	08/31/18 15:35	09/01/18 10:28
500-150867-4	Total Solids	Solid	08/31/18 15:50	09/01/18 10:28

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Client Sample Results

Client: EnviroAnalytics Group LLC
Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Client Sample ID: HG FIELD BLANK

Lab Sample ID: 240-100699-4

Date Collected: 08/31/18 15:45

Matrix: Water

Date Received: 09/01/18 09:30

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Total Mercury	0.17	J	0.50	0.14	ng/L		09/04/18 13:00	09/05/18 10:10	1

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Client Sample Results

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Client Sample ID: R1

Date Collected: 08/31/18 15:15

Date Received: 09/01/18 10:28

Lab Sample ID: 500-150867-1

Matrix: Water

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.14		0.78	0.14	ug/L		09/04/18 07:56	09/05/18 08:02	1
Benzo[a]pyrene	0.089	J	0.78	0.059	ug/L		09/04/18 07:56	09/05/18 08:02	1
Fluoranthene	0.44	J	0.78	0.16	ug/L		09/04/18 07:56	09/05/18 08:02	1
Fluorene	<0.13		0.78	0.13	ug/L		09/04/18 07:56	09/05/18 08:02	1
Naphthalene	0.89		0.78	0.12	ug/L		09/04/18 07:56	09/05/18 08:02	1
Phenanthrene	0.49	J	0.78	0.17	ug/L		09/04/18 07:56	09/05/18 08:02	1
Pyrene	0.48	J	0.78	0.18	ug/L		09/04/18 07:56	09/05/18 08:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	80		28 - 110	09/04/18 07:56	09/05/18 08:02	1
Terphenyl-d14	67		20 - 133	09/04/18 07:56	09/05/18 08:02	1
2-Fluorobiphenyl	68		31 - 110	09/04/18 07:56	09/05/18 08:02	1

Method: EPA 608 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0046		0.0097	0.0046	ug/L		09/01/18 10:15	09/03/18 09:40	1
PCB-1221	<0.0056		0.0097	0.0056	ug/L		09/01/18 10:15	09/03/18 09:40	1
PCB-1232	<0.0051		0.0097	0.0051	ug/L		09/01/18 10:15	09/03/18 09:40	1
PCB-1242	<0.0089		0.0097	0.0089	ug/L		09/01/18 10:15	09/03/18 09:40	1
PCB-1248	<0.0029		0.0097	0.0029	ug/L		09/01/18 10:15	09/03/18 09:40	1
PCB-1254	<0.0092		0.0097	0.0092	ug/L		09/01/18 10:15	09/03/18 09:40	1
PCB-1260	<0.0038		0.0097	0.0038	ug/L		09/01/18 10:15	09/03/18 09:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	85		21 - 150	09/01/18 10:15	09/03/18 09:40	1
DCB Decachlorobiphenyl (Surr)	95		62 - 126	09/01/18 10:15	09/03/18 09:40	1

Method: PCB - Total PCB Calculation

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	<0.0092		0.0097	0.0092	ug/L			09/04/18 11:42	1

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Total Mercury	880		50	14	ng/L		09/04/18 13:00	09/05/18 09:59	100

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Lead	190		2.5	1.3	ug/L		09/04/18 08:08	09/04/18 22:34	1
Arsenic	9.7		5.0	2.1	ug/L		09/04/18 08:08	09/04/18 22:34	1
Zinc	340		10	3.6	ug/L		09/04/18 08:08	09/04/18 22:34	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	4.2	J B	5.5	1.5	mg/L		09/04/18 07:31	09/04/18 12:15	1
Total Suspended Solids	520		100	39	mg/L			09/04/18 16:37	1
Phosphorus as P	0.078	J	0.10	0.048	mg/L		09/04/18 10:21	09/05/18 15:14	1

Client Sample Results

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Client Sample ID: G1-01
Date Collected: 08/31/18 15:25
Date Received: 09/01/18 10:28

Lab Sample ID: 500-150867-2
Matrix: Water

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.15		0.83	0.15	ug/L		09/04/18 07:56	09/05/18 08:29	1
Benzo[a]pyrene	<0.063		0.83	0.063	ug/L		09/04/18 07:56	09/05/18 08:29	1
Fluoranthene	<0.17		0.83	0.17	ug/L		09/04/18 07:56	09/05/18 08:29	1
Fluorene	<0.14		0.83	0.14	ug/L		09/04/18 07:56	09/05/18 08:29	1
Naphthalene	1.5		0.83	0.13	ug/L		09/04/18 07:56	09/05/18 08:29	1
Phenanthrene	<0.18		0.83	0.18	ug/L		09/04/18 07:56	09/05/18 08:29	1
Pyrene	<0.19		0.83	0.19	ug/L		09/04/18 07:56	09/05/18 08:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	99		28 - 110	09/04/18 07:56	09/05/18 08:29	1
Terphenyl-d14	64		20 - 133	09/04/18 07:56	09/05/18 08:29	1
2-Fluorobiphenyl	80		31 - 110	09/04/18 07:56	09/05/18 08:29	1

Method: EPA 608 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0046		0.0096	0.0046	ug/L		09/01/18 10:15	09/03/18 09:58	1
PCB-1221	<0.0055		0.0096	0.0055	ug/L		09/01/18 10:15	09/03/18 09:58	1
PCB-1232	<0.0050		0.0096	0.0050	ug/L		09/01/18 10:15	09/03/18 09:58	1
PCB-1242	<0.0088		0.0096	0.0088	ug/L		09/01/18 10:15	09/03/18 09:58	1
PCB-1248	<0.0029		0.0096	0.0029	ug/L		09/01/18 10:15	09/03/18 09:58	1
PCB-1254	<0.0092		0.0096	0.0092	ug/L		09/01/18 10:15	09/03/18 09:58	1
PCB-1260	<0.0038		0.0096	0.0038	ug/L		09/01/18 10:15	09/03/18 09:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	76		21 - 150	09/01/18 10:15	09/03/18 09:58	1
DCB Decachlorobiphenyl (Surr)	90		62 - 126	09/01/18 10:15	09/03/18 09:58	1

Method: PCB - Total PCB Calculation

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	<0.0092		0.0096	0.0092	ug/L			09/04/18 11:42	1

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Total Mercury	200		20	5.6	ng/L		09/04/18 13:00	09/05/18 10:03	40

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Lead	45		2.5	1.3	ug/L		09/04/18 08:08	09/04/18 22:38	1
Arsenic	8.9		5.0	2.1	ug/L		09/04/18 08:08	09/04/18 22:38	1
Zinc	95		10	3.6	ug/L		09/04/18 08:08	09/04/18 22:38	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	2.0	J B	5.6	1.5	mg/L		09/04/18 07:47	09/04/18 12:15	1
Total Suspended Solids	90		20	7.7	mg/L			09/04/18 16:38	1
Phosphorus as P	0.36		0.10	0.048	mg/L		09/04/18 10:21	09/05/18 15:15	1

Client Sample Results

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Client Sample ID: G2-01
Date Collected: 08/31/18 15:35
Date Received: 09/01/18 10:28

Lab Sample ID: 500-150867-3
Matrix: Water

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.15		0.80	0.15	ug/L		09/04/18 07:56	09/05/18 08:57	1
Benzo[a]pyrene	<0.061		0.80	0.061	ug/L		09/04/18 07:56	09/05/18 08:57	1
Fluoranthene	<0.16		0.80	0.16	ug/L		09/04/18 07:56	09/05/18 08:57	1
Fluorene	<0.13		0.80	0.13	ug/L		09/04/18 07:56	09/05/18 08:57	1
Naphthalene	2.9		0.80	0.12	ug/L		09/04/18 07:56	09/05/18 08:57	1
Phenanthrene	<0.17		0.80	0.17	ug/L		09/04/18 07:56	09/05/18 08:57	1
Pyrene	<0.18		0.80	0.18	ug/L		09/04/18 07:56	09/05/18 08:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	87		28 - 110	09/04/18 07:56	09/05/18 08:57	1
Terphenyl-d14	62		20 - 133	09/04/18 07:56	09/05/18 08:57	1
2-Fluorobiphenyl	71		31 - 110	09/04/18 07:56	09/05/18 08:57	1

Method: EPA 608 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0046		0.0097	0.0046	ug/L		09/01/18 10:15	09/03/18 10:17	1
PCB-1221	<0.0056		0.0097	0.0056	ug/L		09/01/18 10:15	09/03/18 10:17	1
PCB-1232	<0.0051		0.0097	0.0051	ug/L		09/01/18 10:15	09/03/18 10:17	1
PCB-1242	<0.0089		0.0097	0.0089	ug/L		09/01/18 10:15	09/03/18 10:17	1
PCB-1248	<0.0029		0.0097	0.0029	ug/L		09/01/18 10:15	09/03/18 10:17	1
PCB-1254	<0.0092		0.0097	0.0092	ug/L		09/01/18 10:15	09/03/18 10:17	1
PCB-1260	<0.0038		0.0097	0.0038	ug/L		09/01/18 10:15	09/03/18 10:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	73		21 - 150	09/01/18 10:15	09/03/18 10:17	1
DCB Decachlorobiphenyl (Surr)	94		62 - 126	09/01/18 10:15	09/03/18 10:17	1

Method: PCB - Total PCB Calculation

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	<0.0092		0.0097	0.0092	ug/L			09/04/18 11:42	1

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Total Mercury	95		10	2.8	ng/L		09/04/18 13:00	09/05/18 10:06	20

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		2.5	1.3	ug/L		09/04/18 08:08	09/04/18 22:42	1
Arsenic	2.9	J	5.0	2.1	ug/L		09/04/18 08:08	09/04/18 22:42	1
Zinc	120		10	3.6	ug/L		09/04/18 08:08	09/04/18 22:42	1

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	2.1	J B	5.6	1.5	mg/L		09/04/18 08:03	09/04/18 12:15	1
Total Suspended Solids	26		5.0	1.9	mg/L			09/04/18 16:40	1
Phosphorus as P	0.19		0.10	0.048	mg/L		09/04/18 10:21	09/05/18 15:15	1

Client Sample Results

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Client Sample ID: Total Solids

Date Collected: 08/31/18 15:50

Date Received: 09/01/18 10:28

Lab Sample ID: 500-150867-4

Matrix: Solid

Percent Solids: 69.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	17	J	48	8.6	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Acenaphthylene	24	J	48	6.3	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Anthracene	61		48	8.0	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Benzo[a]anthracene	210		48	6.5	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Benzo[a]pyrene	230		48	9.3	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Benzo[b]fluoranthene	320		48	10	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Benzo[g,h,i]perylene	87		48	15	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Benzo[k]fluoranthene	130		48	14	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Chrysene	240		48	13	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Dibenz(a,h)anthracene	20	J	48	9.3	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Fluoranthene	500		48	8.9	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Fluorene	20	J	48	6.7	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Indeno[1,2,3-cd]pyrene	85		48	12	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Naphthalene	20	J	48	7.4	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Phenanthrene	260		48	6.7	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Pyrene	420		48	9.5	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
1-Methylnaphthalene	17	J	97	12	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
2-Methylnaphthalene	28	J	97	8.8	ug/Kg	☼	09/04/18 08:10	09/05/18 10:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	74		41 - 120				09/04/18 08:10	09/05/18 10:43	1
Terphenyl-d14 (Surr)	82		35 - 160				09/04/18 08:10	09/05/18 10:43	1
2-Fluorobiphenyl (Surr)	75		44 - 121				09/04/18 08:10	09/05/18 10:43	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<41		120	41	ug/Kg	☼	09/04/18 11:14	09/05/18 10:45	5
PCB-1221	<51		120	51	ug/Kg	☼	09/04/18 11:14	09/05/18 10:45	5
PCB-1232	<51		120	51	ug/Kg	☼	09/04/18 11:14	09/05/18 10:45	5
PCB-1242	<38		120	38	ug/Kg	☼	09/04/18 11:14	09/05/18 10:45	5
PCB-1248	<46		120	46	ug/Kg	☼	09/04/18 11:14	09/05/18 10:45	5
PCB-1254	<25		120	25	ug/Kg	☼	09/04/18 11:14	09/05/18 10:45	5
PCB-1260	<57		120	57	ug/Kg	☼	09/04/18 11:14	09/05/18 10:45	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		49 - 129				09/04/18 11:14	09/05/18 10:45	5
DCB Decachlorobiphenyl	104		37 - 121				09/04/18 11:14	09/05/18 10:45	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.7		1.3	0.45	mg/Kg	☼	09/04/18 08:42	09/04/18 20:10	1
Barium	48	B	1.3	0.15	mg/Kg	☼	09/04/18 08:42	09/04/18 20:10	1
Cadmium	0.50	B	0.26	0.047	mg/Kg	☼	09/04/18 08:42	09/04/18 20:10	1
Chromium	9.9		1.3	0.65	mg/Kg	☼	09/04/18 08:42	09/04/18 20:10	1
Lead	71		0.65	0.30	mg/Kg	☼	09/04/18 08:42	09/04/18 20:10	1
Selenium	<0.77		1.3	0.77	mg/Kg	☼	09/04/18 08:42	09/04/18 20:10	1
Silver	<0.17		0.65	0.17	mg/Kg	☼	09/04/18 08:42	09/05/18 14:00	1

TestAmerica Chicago

Client Sample Results

Client: EnviroAnalytics Group LLC
Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Client Sample ID: Total Solids

Date Collected: 08/31/18 15:50

Date Received: 09/01/18 10:28

Lab Sample ID: 500-150867-4

Matrix: Solid

Percent Solids: 69.0

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4600		580	190	ug/Kg	☼	09/04/18 16:55	09/05/18 14:34	25

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Definitions/Glossary

Client: EnviroAnalytics Group LLC
Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

QC Association Summary

Client: EnviroAnalytics Group LLC
Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

GC/MS Semi VOA

Prep Batch: 448172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-1	R1	Total/NA	Water	625	
500-150867-2	G1-01	Total/NA	Water	625	
500-150867-3	G2-01	Total/NA	Water	625	
MB 500-448172/1-A	Method Blank	Total/NA	Water	625	
LCS 500-448172/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 500-448172/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Prep Batch: 448191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-4	Total Solids	Total/NA	Solid	3541	
MB 500-448191/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-448191/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 448229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-1	R1	Total/NA	Water	625	448172
500-150867-2	G1-01	Total/NA	Water	625	448172
500-150867-3	G2-01	Total/NA	Water	625	448172
MB 500-448172/1-A	Method Blank	Total/NA	Water	625	448172
LCS 500-448172/2-A	Lab Control Sample	Total/NA	Water	625	448172
LCSD 500-448172/3-A	Lab Control Sample Dup	Total/NA	Water	625	448172

Analysis Batch: 448285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-448191/1-A	Method Blank	Total/NA	Solid	8270D	448191
LCS 500-448191/2-A	Lab Control Sample	Total/NA	Solid	8270D	448191

Analysis Batch: 448389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-4	Total Solids	Total/NA	Solid	8270D	448191

GC Semi VOA

Prep Batch: 255719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-1	R1	Total/NA	Water	608	
500-150867-2	G1-01	Total/NA	Water	608	
500-150867-3	G2-01	Total/NA	Water	608	
MB 180-255719/1-A	Method Blank	Total/NA	Water	608	
LCS 180-255719/4-A	Lab Control Sample	Total/NA	Water	608	
LCSD 180-255719/5-A	Lab Control Sample Dup	Total/NA	Water	608	

Analysis Batch: 255751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-1	R1	Total/NA	Water	EPA 608	255719
500-150867-2	G1-01	Total/NA	Water	EPA 608	255719
500-150867-3	G2-01	Total/NA	Water	EPA 608	255719
MB 180-255719/1-A	Method Blank	Total/NA	Water	EPA 608	255719
LCS 180-255719/4-A	Lab Control Sample	Total/NA	Water	EPA 608	255719
LCSD 180-255719/5-A	Lab Control Sample Dup	Total/NA	Water	EPA 608	255719

TestAmerica Chicago

QC Association Summary

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

GC Semi VOA (Continued)

Analysis Batch: 255820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-1	R1	Total/NA	Water	PCB	
500-150867-2	G1-01	Total/NA	Water	PCB	
500-150867-3	G2-01	Total/NA	Water	PCB	

Prep Batch: 448233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-4	Total Solids	Total/NA	Solid	3541	
MB 500-448233/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-448233/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 448400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-4	Total Solids	Total/NA	Solid	8082A	448233
MB 500-448233/1-A	Method Blank	Total/NA	Solid	8082A	448233
LCS 500-448233/2-A	Lab Control Sample	Total/NA	Solid	8082A	448233

Metals

Prep Batch: 343723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-100699-4	HG FIELD BLANK	Total/NA	Water	1631E	
500-150867-1	R1	Total/NA	Water	1631E	
500-150867-2	G1-01	Total/NA	Water	1631E	
500-150867-3	G2-01	Total/NA	Water	1631E	
MB 240-343723/1-A	Method Blank	Total/NA	Water	1631E	
MB 240-343723/2-A	Method Blank	Total/NA	Water	1631E	
MB 240-343723/3-A	Method Blank	Total/NA	Water	1631E	
LCS 240-343723/4-A	Lab Control Sample	Total/NA	Water	1631E	

Analysis Batch: 343957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-100699-4	HG FIELD BLANK	Total/NA	Water	1631E	343723
500-150867-1	R1	Total/NA	Water	1631E	343723
500-150867-2	G1-01	Total/NA	Water	1631E	343723
500-150867-3	G2-01	Total/NA	Water	1631E	343723
MB 240-343723/1-A	Method Blank	Total/NA	Water	1631E	343723
MB 240-343723/2-A	Method Blank	Total/NA	Water	1631E	343723
MB 240-343723/3-A	Method Blank	Total/NA	Water	1631E	343723
LCS 240-343723/4-A	Lab Control Sample	Total/NA	Water	1631E	343723

Prep Batch: 448179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-1	R1	Total Recoverable	Water	200.7	
500-150867-2	G1-01	Total Recoverable	Water	200.7	
500-150867-3	G2-01	Total Recoverable	Water	200.7	
MB 500-448179/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 500-448179/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

QC Association Summary

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Metals (Continued)

Prep Batch: 448202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-4	Total Solids	Total/NA	Solid	3050B	
MB 500-448202/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-448202/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 448270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-4	Total Solids	Total/NA	Solid	7471B	
MB 500-448270/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-448270/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 448353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-1	R1	Total Recoverable	Water	200.7 Rev 4.4	448179
500-150867-2	G1-01	Total Recoverable	Water	200.7 Rev 4.4	448179
500-150867-3	G2-01	Total Recoverable	Water	200.7 Rev 4.4	448179
500-150867-4	Total Solids	Total/NA	Solid	6010B	448202
MB 500-448179/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	448179
MB 500-448202/1-A	Method Blank	Total/NA	Solid	6010B	448202
LCS 500-448179/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	448179
LCS 500-448202/2-A ^2	Lab Control Sample	Total/NA	Solid	6010B	448202

Analysis Batch: 448467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-4	Total Solids	Total/NA	Solid	6010B	448202
MB 500-448202/1-A	Method Blank	Total/NA	Solid	6010B	448202
LCS 500-448202/2-A ^2	Lab Control Sample	Total/NA	Solid	6010B	448202

Analysis Batch: 448468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-4	Total Solids	Total/NA	Solid	7471B	448270
MB 500-448270/12-A	Method Blank	Total/NA	Solid	7471B	448270
LCS 500-448270/13-A	Lab Control Sample	Total/NA	Solid	7471B	448270

General Chemistry

Prep Batch: 448157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-1	R1	Total/NA	Water	1664B	
500-150867-2	G1-01	Total/NA	Water	1664B	
500-150867-3	G2-01	Total/NA	Water	1664B	
MB 500-448157/1-A	Method Blank	Total/NA	Water	1664B	
LCS 500-448157/2-A	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 448167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-1	R1	Total/NA	Water	1664B	448157
500-150867-2	G1-01	Total/NA	Water	1664B	448157
500-150867-3	G2-01	Total/NA	Water	1664B	448157
MB 500-448157/1-A	Method Blank	Total/NA	Water	1664B	448157
LCS 500-448157/2-A	Lab Control Sample	Total/NA	Water	1664B	448157

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QC Association Summary

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

General Chemistry (Continued)

Prep Batch: 448214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-1	R1	Total/NA	Water	SM 4500 P B	
500-150867-2	G1-01	Total/NA	Water	SM 4500 P B	
500-150867-3	G2-01	Total/NA	Water	SM 4500 P B	
MB 500-448214/1-A	Method Blank	Total/NA	Water	SM 4500 P B	
LCS 500-448214/2-A	Lab Control Sample	Total/NA	Water	SM 4500 P B	

Analysis Batch: 448248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-4	Total Solids	Total/NA	Solid	Moisture	

Analysis Batch: 448311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-1	R1	Total/NA	Water	SM 2540D	
500-150867-2	G1-01	Total/NA	Water	SM 2540D	
500-150867-3	G2-01	Total/NA	Water	SM 2540D	
MB 500-448311/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 500-448311/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 448470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-150867-1	R1	Total/NA	Water	SM 4500 P E	448214
500-150867-2	G1-01	Total/NA	Water	SM 4500 P E	448214
500-150867-3	G2-01	Total/NA	Water	SM 4500 P E	448214
MB 500-448214/1-A	Method Blank	Total/NA	Water	SM 4500 P E	448214
LCS 500-448214/2-A	Lab Control Sample	Total/NA	Water	SM 4500 P E	448214

Surrogate Summary

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (28-110)	TPHL (20-133)	FBP (31-110)
500-150867-1	R1	80	67	68
500-150867-2	G1-01	99	64	80
500-150867-3	G2-01	87	62	71
LCS 500-448172/2-A	Lab Control Sample	87	76	74
LCSD 500-448172/3-A	Lab Control Sample Dup	97	78	83
MB 500-448172/1-A	Method Blank	85	87	70

Surrogate Legend

NBZ = Nitrobenzene-d5
 TPHL = Terphenyl-d14
 FBP = 2-Fluorobiphenyl

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (41-120)	TPHL (35-160)	FBP (44-121)
500-150867-4	Total Solids	74	82	75
LCS 500-448191/2-A	Lab Control Sample	87	80	91
MB 500-448191/1-A	Method Blank	99	98	102

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
 TPHL = Terphenyl-d14 (Surr)
 FBP = 2-Fluorobiphenyl (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (49-129)	DCBP1 (37-121)
500-150867-4	Total Solids	91	104
LCS 500-448233/2-A	Lab Control Sample	85	104
MB 500-448233/1-A	Method Blank	82	113

Surrogate Legend

TCX = Tetrachloro-m-xylene
 DCBP = DCB Decachlorobiphenyl

Method: EPA 608 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (21-150)	TCX2 (21-150)	DCB1 (62-126)	DCB2 (62-126)
500-150867-1	R1	85	82	95	94
500-150867-2	G1-01	70	76	90	81
500-150867-3	G2-01	64	73	94	85

TestAmerica Chicago

Surrogate Summary

Client: EnviroAnalytics Group LLC
Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Method: EPA 608 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (21-150)	TCX2 (21-150)	DCB1 (62-126)	DCB2 (62-126)
LCS 180-255719/4-A	Lab Control Sample	76	89	97	88
LCSD 180-255719/5-A	Lab Control Sample Dup	76	82	90	82
MB 180-255719/1-A	Method Blank	81	88	96	90

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

DCB = DCB Decachlorobiphenyl (Surr)

QC Sample Results

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-448172/1-A

Matrix: Water

Analysis Batch: 448229

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 448172

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.15		0.80	0.15	ug/L		09/04/18 07:56	09/04/18 15:33	1
Benzo[a]pyrene	<0.061		0.80	0.061	ug/L		09/04/18 07:56	09/04/18 15:33	1
Fluoranthene	<0.16		0.80	0.16	ug/L		09/04/18 07:56	09/04/18 15:33	1
Fluorene	<0.13		0.80	0.13	ug/L		09/04/18 07:56	09/04/18 15:33	1
Naphthalene	<0.12		0.80	0.12	ug/L		09/04/18 07:56	09/04/18 15:33	1
Phenanthrene	<0.17		0.80	0.17	ug/L		09/04/18 07:56	09/04/18 15:33	1
Pyrene	<0.18		0.80	0.18	ug/L		09/04/18 07:56	09/04/18 15:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	85		28 - 110	09/04/18 07:56	09/04/18 15:33	1
Terphenyl-d14	87		20 - 133	09/04/18 07:56	09/04/18 15:33	1
2-Fluorobiphenyl	70		31 - 110	09/04/18 07:56	09/04/18 15:33	1

Lab Sample ID: LCS 500-448172/2-A

Matrix: Water

Analysis Batch: 448229

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 448172

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Anthracene	32.0	28.0		ug/L		87	27 - 133
Benzo[a]pyrene	32.0	29.1		ug/L		91	17 - 163
Fluoranthene	32.0	27.3		ug/L		85	26 - 137
Fluorene	32.0	22.9		ug/L		71	59 - 121
Naphthalene	32.0	22.3		ug/L		70	21 - 133
Phenanthrene	32.0	27.7		ug/L		86	54 - 120
Pyrene	32.0	29.3		ug/L		91	52 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	87		28 - 110
Terphenyl-d14	76		20 - 133
2-Fluorobiphenyl	74		31 - 110

Lab Sample ID: LCSD 500-448172/3-A

Matrix: Water

Analysis Batch: 448229

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 448172

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Anthracene	32.0	29.4		ug/L		92	27 - 133	5	20
Benzo[a]pyrene	32.0	31.7		ug/L		99	17 - 163	9	20
Fluoranthene	32.0	28.4		ug/L		89	26 - 137	4	20
Fluorene	32.0	24.9		ug/L		78	59 - 121	8	20
Naphthalene	32.0	23.6		ug/L		74	21 - 133	6	20
Phenanthrene	32.0	28.5		ug/L		89	54 - 120	3	20
Pyrene	32.0	30.1		ug/L		94	52 - 115	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5	97		28 - 110
Terphenyl-d14	78		20 - 133

TestAmerica Chicago

QC Sample Results

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-448172/3-A
Matrix: Water
Analysis Batch: 448229

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 448172

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	83		31 - 110

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-448191/1-A
Matrix: Solid
Analysis Batch: 448285

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448191

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<6.0		33	6.0	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
Acenaphthylene	<4.4		33	4.4	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
Anthracene	<5.6		33	5.6	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
Benzo[a]anthracene	<4.5		33	4.5	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
Benzo[a]pyrene	<6.4		33	6.4	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
Benzo[b]fluoranthene	<7.2		33	7.2	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
Benzo[k]fluoranthene	<9.8		33	9.8	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
Chrysene	<9.1		33	9.1	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
Dibenz(a,h)anthracene	<6.4		33	6.4	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
Fluoranthene	<6.2		33	6.2	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
Fluorene	<4.7		33	4.7	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
Indeno[1,2,3-cd]pyrene	<8.6		33	8.6	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
Naphthalene	<5.1		33	5.1	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
Phenanthrene	<4.6		33	4.6	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
Pyrene	<6.6		33	6.6	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
1-Methylnaphthalene	<8.1		67	8.1	ug/Kg		09/04/18 08:10	09/04/18 17:19	1
2-Methylnaphthalene	<6.1		67	6.1	ug/Kg		09/04/18 08:10	09/04/18 17:19	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	99		41 - 120	09/04/18 08:10	09/04/18 17:19	1
Terphenyl-d14 (Surr)	98		35 - 160	09/04/18 08:10	09/04/18 17:19	1
2-Fluorobiphenyl (Surr)	102		44 - 121	09/04/18 08:10	09/04/18 17:19	1

Lab Sample ID: LCS 500-448191/2-A
Matrix: Solid
Analysis Batch: 448285

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	1330	1120		ug/Kg		84	62 - 119
Acenaphthylene	1330	1080		ug/Kg		81	60 - 110
Anthracene	1330	1120		ug/Kg		84	63 - 110
Benzo[a]anthracene	1330	1140		ug/Kg		86	67 - 122
Benzo[a]pyrene	1330	1180		ug/Kg		88	61 - 120
Benzo[b]fluoranthene	1330	1150		ug/Kg		86	64 - 127
Benzo[g,h,i]perylene	1330	1180		ug/Kg		88	65 - 132
Benzo[k]fluoranthene	1330	1180		ug/Kg		88	65 - 120
Chrysene	1330	1090		ug/Kg		82	63 - 120

TestAmerica Chicago

QC Sample Results

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-448191/2-A
Matrix: Solid
Analysis Batch: 448285

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz(a,h)anthracene	1330	1230		ug/Kg		93	64 - 119
Fluoranthene	1330	1140		ug/Kg		86	62 - 120
Fluorene	1330	1090		ug/Kg		82	62 - 120
Indeno[1,2,3-cd]pyrene	1330	1230		ug/Kg		92	57 - 127
Naphthalene	1330	1090		ug/Kg		82	63 - 110
Phenanthrene	1330	1110		ug/Kg		83	62 - 120
Pyrene	1330	1100		ug/Kg		83	61 - 128
1-Methylnaphthalene	1330	1080		ug/Kg		81	61 - 110
2-Methylnaphthalene	1330	1080		ug/Kg		81	62 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	87		41 - 120
Terphenyl-d14 (Surr)	80		35 - 160
2-Fluorobiphenyl (Surr)	91		44 - 121

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-448233/1-A
Matrix: Solid
Analysis Batch: 448400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448233

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<5.9		17	5.9	ug/Kg		09/04/18 11:14	09/05/18 10:15	1
PCB-1221	<7.3		17	7.3	ug/Kg		09/04/18 11:14	09/05/18 10:15	1
PCB-1232	<7.3		17	7.3	ug/Kg		09/04/18 11:14	09/05/18 10:15	1
PCB-1242	<5.5		17	5.5	ug/Kg		09/04/18 11:14	09/05/18 10:15	1
PCB-1248	<6.6		17	6.6	ug/Kg		09/04/18 11:14	09/05/18 10:15	1
PCB-1254	<3.6		17	3.6	ug/Kg		09/04/18 11:14	09/05/18 10:15	1
PCB-1260	<8.2		17	8.2	ug/Kg		09/04/18 11:14	09/05/18 10:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	82		49 - 129	09/04/18 11:14	09/05/18 10:15	1
DCB Decachlorobiphenyl	113		37 - 121	09/04/18 11:14	09/05/18 10:15	1

Lab Sample ID: LCS 500-448233/2-A
Matrix: Solid
Analysis Batch: 448400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	167	171		ug/Kg		103	57 - 120
PCB-1260	167	173		ug/Kg		104	61 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	85		49 - 129
DCB Decachlorobiphenyl	104		37 - 121

TestAmerica Chicago

QC Sample Results

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Method: EPA 608 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 180-255719/1-A
Matrix: Water
Analysis Batch: 255751

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 255719

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0048		0.010	0.0048	ug/L		09/01/18 10:15	09/03/18 08:44	1
PCB-1221	<0.0057		0.010	0.0057	ug/L		09/01/18 10:15	09/03/18 08:44	1
PCB-1232	<0.0052		0.010	0.0052	ug/L		09/01/18 10:15	09/03/18 08:44	1
PCB-1242	<0.0091		0.010	0.0091	ug/L		09/01/18 10:15	09/03/18 08:44	1
PCB-1248	<0.0030		0.010	0.0030	ug/L		09/01/18 10:15	09/03/18 08:44	1
PCB-1254	<0.0095		0.010	0.0095	ug/L		09/01/18 10:15	09/03/18 08:44	1
PCB-1260	<0.0039		0.010	0.0039	ug/L		09/01/18 10:15	09/03/18 08:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	88		21 - 150	09/01/18 10:15	09/03/18 08:44	1
DCB Decachlorobiphenyl (Surr)	96		62 - 126	09/01/18 10:15	09/03/18 08:44	1

Lab Sample ID: LCS 180-255719/4-A
Matrix: Water
Analysis Batch: 255751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 255719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	0.827		ug/L		83	50 - 140
PCB-1260	1.00	0.760		ug/L		76	10 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	89		21 - 150
DCB Decachlorobiphenyl (Surr)	97		62 - 126

Lab Sample ID: LCSD 180-255719/5-A
Matrix: Water
Analysis Batch: 255751

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 255719

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1.00	0.786		ug/L		79	50 - 140	5	35
PCB-1260	1.00	0.722		ug/L		72	10 - 140	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	82		21 - 150
DCB Decachlorobiphenyl (Surr)	90		62 - 126

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 240-343723/1-A
Matrix: Water
Analysis Batch: 343957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 343723

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Total Mercury	<0.14		0.50	0.14	ng/L		09/04/18 13:00	09/05/18 09:37	1

TestAmerica Chicago

QC Sample Results

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: MB 240-343723/2-A
Matrix: Water
Analysis Batch: 343957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 343723

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Total Mercury	<0.14		0.50	0.14	ng/L		09/04/18 13:00	09/05/18 09:41	1

Lab Sample ID: MB 240-343723/3-A
Matrix: Water
Analysis Batch: 343957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 343723

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Total Mercury	<0.14		0.50	0.14	ng/L		09/04/18 13:00	09/05/18 09:45	1

Lab Sample ID: LCS 240-343723/4-A
Matrix: Water
Analysis Batch: 343957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 343723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Mercury	5.00	4.08		ng/L		82	77 - 123

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 500-448179/1-A
Matrix: Water
Analysis Batch: 448353

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 448179

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<1.3		2.5	1.3	ug/L		09/04/18 08:08	09/04/18 21:45	1
Arsenic	<2.1		5.0	2.1	ug/L		09/04/18 08:08	09/04/18 21:45	1
Zinc	<3.6		10	3.6	ug/L		09/04/18 08:08	09/04/18 21:45	1

Lab Sample ID: LCS 500-448179/2-A
Matrix: Water
Analysis Batch: 448353

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 448179

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	46.3		ug/L		93	85 - 115
Arsenic	50.0	49.6		ug/L		99	85 - 115
Zinc	250	242		ug/L		97	85 - 115

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-448202/1-A
Matrix: Solid
Analysis Batch: 448353

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448202

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.34		1.0	0.34	mg/Kg		09/04/18 08:42	09/04/18 19:30	1
Barium	0.279	J	1.0	0.11	mg/Kg		09/04/18 08:42	09/04/18 19:30	1
Cadmium	0.102	J	0.20	0.036	mg/Kg		09/04/18 08:42	09/04/18 19:30	1
Chromium	<0.50		1.0	0.50	mg/Kg		09/04/18 08:42	09/04/18 19:30	1
Lead	<0.23		0.50	0.23	mg/Kg		09/04/18 08:42	09/04/18 19:30	1
Selenium	<0.59		1.0	0.59	mg/Kg		09/04/18 08:42	09/04/18 19:30	1

TestAmerica Chicago

QC Sample Results

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Lab Sample ID: MB 500-448202/1-A
Matrix: Solid
Analysis Batch: 448467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448202

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.13		0.50	0.13	mg/Kg		09/04/18 08:42	09/05/18 13:24	1

Lab Sample ID: LCS 500-448202/2-A ^2
Matrix: Solid
Analysis Batch: 448353

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448202

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Arsenic	10.0	8.90		mg/Kg		89	80 - 120
Barium	200	179		mg/Kg		90	80 - 120
Cadmium	5.00	4.68		mg/Kg		94	80 - 120
Chromium	20.0	20.5		mg/Kg		102	80 - 120
Lead	10.0	8.28		mg/Kg		83	80 - 120
Selenium	10.0	8.02		mg/Kg		80	80 - 120

Lab Sample ID: LCS 500-448202/2-A ^2
Matrix: Solid
Analysis Batch: 448467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448202

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Silver	5.00	4.21		mg/Kg		84	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-448270/12-A
Matrix: Solid
Analysis Batch: 448468

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448270

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<5.6		17	5.6	ug/Kg		09/04/18 16:55	09/05/18 11:56	1

Lab Sample ID: LCS 500-448270/13-A
Matrix: Solid
Analysis Batch: 448468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448270

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Mercury	167	168		ug/Kg		101	80 - 120

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 500-448157/1-A
Matrix: Water
Analysis Batch: 448167

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448157

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	1.40	J	5.0	1.3	mg/L		09/04/18 07:00	09/04/18 12:15	1

TestAmerica Chicago

QC Sample Results

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Method: 1664B - HEM and SGT-HEM (Continued)

Lab Sample ID: LCS 500-448157/2-A
 Matrix: Water
 Analysis Batch: 448167

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 448157

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Oil & Grease	40.0	31.90		mg/L		80	78 - 114

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-448311/1
 Matrix: Water
 Analysis Batch: 448311

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

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<1.9		5.0	1.9	mg/L			09/04/18 16:15	1

Lab Sample ID: LCS 500-448311/2
 Matrix: Water
 Analysis Batch: 448311

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Suspended Solids	200	190		mg/L		95	80 - 120

Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 500-448214/1-A
 Matrix: Water
 Analysis Batch: 448470

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 448214

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus as P	<0.024		0.050	0.024	mg/L		09/04/18 10:21	09/05/18 15:12	1

Lab Sample ID: LCS 500-448214/2-A
 Matrix: Water
 Analysis Batch: 448470

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 448214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Phosphorus as P	0.500	0.437		mg/L		87	80 - 120

Lab Chronicle

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Client Sample ID: HG FIELD BLANK

Lab Sample ID: 240-100699-4

Date Collected: 08/31/18 15:45

Matrix: Water

Date Received: 09/01/18 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			343723	09/04/18 13:00	DTN	TAL CAN
Total/NA	Analysis	1631E		1	343957	09/05/18 10:10	DTN	TAL CAN

Client Sample ID: R1

Lab Sample ID: 500-150867-1

Date Collected: 08/31/18 15:15

Matrix: Water

Date Received: 09/01/18 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			448172	09/04/18 07:56	JS	TAL CHI
Total/NA	Analysis	625		1	448229	09/05/18 08:02	AJD	TAL CHI
Total/NA	Prep	608			255719	09/01/18 10:15	CBY	TAL PIT
Total/NA	Analysis	EPA 608		1	255751	09/03/18 09:40	JMO	TAL PIT
Total/NA	Analysis	PCB		1	255820	09/04/18 11:42	DFE	TAL PIT
Total/NA	Prep	1631E			343723	09/04/18 13:00	DTN	TAL CAN
Total/NA	Analysis	1631E		100	343957	09/05/18 09:59	DTN	TAL CAN
Total Recoverable	Prep	200.7			448179	09/04/18 08:08	SAH	TAL CHI
Total Recoverable	Analysis	200.7 Rev 4.4		1	448353	09/04/18 22:34	JEF	TAL CHI
Total/NA	Prep	1664B			448157	09/04/18 07:31	SA	TAL CHI
Total/NA	Analysis	1664B		1	448167	09/04/18 12:15	SA	TAL CHI
Total/NA	Analysis	SM 2540D		1	448311	(Start) 09/04/18 16:37 (End) 09/04/18 16:38	SMO	TAL CHI
Total/NA	Prep	SM 4500 P B			448214	09/04/18 10:21	BRS	TAL CHI
Total/NA	Analysis	SM 4500 P E		1	448470	(Start) 09/05/18 15:14 (End) 09/05/18 15:15	BRS	TAL CHI

Client Sample ID: G1-01

Lab Sample ID: 500-150867-2

Date Collected: 08/31/18 15:25

Matrix: Water

Date Received: 09/01/18 10:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			448172	09/04/18 07:56	JS	TAL CHI
Total/NA	Analysis	625		1	448229	09/05/18 08:29	AJD	TAL CHI
Total/NA	Prep	608			255719	09/01/18 10:15	CBY	TAL PIT
Total/NA	Analysis	EPA 608		1	255751	09/03/18 09:58	JMO	TAL PIT
Total/NA	Analysis	PCB		1	255820	09/04/18 11:42	DFE	TAL PIT
Total/NA	Prep	1631E			343723	09/04/18 13:00	DTN	TAL CAN
Total/NA	Analysis	1631E		40	343957	09/05/18 10:03	DTN	TAL CAN
Total Recoverable	Prep	200.7			448179	09/04/18 08:08	SAH	TAL CHI
Total Recoverable	Analysis	200.7 Rev 4.4		1	448353	09/04/18 22:38	JEF	TAL CHI
Total/NA	Prep	1664B			448157	09/04/18 07:47	SA	TAL CHI
Total/NA	Analysis	1664B		1	448167	09/04/18 12:15	SA	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: EnviroAnalytics Group LLC
 Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Client Sample ID: G1-01
Date Collected: 08/31/18 15:25
Date Received: 09/01/18 10:28

Lab Sample ID: 500-150867-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	448311	09/04/18 16:38 (Start) 09/04/18 16:40 (End)	SMO	TAL CHI
Total/NA	Prep	SM 4500 P B			448214	09/04/18 10:21	BRS	TAL CHI
Total/NA	Analysis	SM 4500 P E		1	448470	09/05/18 15:15 (Start) 09/05/18 15:15 (End)	BRS	TAL CHI

Client Sample ID: G2-01
Date Collected: 08/31/18 15:35
Date Received: 09/01/18 10:28

Lab Sample ID: 500-150867-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			448172	09/04/18 07:56	JS	TAL CHI
Total/NA	Analysis	625		1	448229	09/05/18 08:57	AJD	TAL CHI
Total/NA	Prep	608			255719	09/01/18 10:15	CBY	TAL PIT
Total/NA	Analysis	EPA 608		1	255751	09/03/18 10:17	JMO	TAL PIT
Total/NA	Analysis	PCB		1	255820	09/04/18 11:42	DFE	TAL PIT
Total/NA	Prep	1631E			343723	09/04/18 13:00	DTN	TAL CAN
Total/NA	Analysis	1631E		20	343957	09/05/18 10:06	DTN	TAL CAN
Total Recoverable	Prep	200.7			448179	09/04/18 08:08	SAH	TAL CHI
Total Recoverable	Analysis	200.7 Rev 4.4		1	448353	09/04/18 22:42	JEF	TAL CHI
Total/NA	Prep	1664B			448157	09/04/18 08:03	SA	TAL CHI
Total/NA	Analysis	1664B		1	448167	09/04/18 12:15	SA	TAL CHI
Total/NA	Analysis	SM 2540D		1	448311	09/04/18 16:40 (Start) 09/04/18 16:41 (End)	SMO	TAL CHI
Total/NA	Prep	SM 4500 P B			448214	09/04/18 10:21	BRS	TAL CHI
Total/NA	Analysis	SM 4500 P E		1	448470	09/05/18 15:15 (Start) 09/05/18 15:16 (End)	BRS	TAL CHI

Client Sample ID: Total Solids
Date Collected: 08/31/18 15:50
Date Received: 09/01/18 10:28

Lab Sample ID: 500-150867-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	448248	09/04/18 12:10	LWN	TAL CHI

Lab Chronicle

Client: EnviroAnalytics Group LLC
Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Client Sample ID: Total Solids

Lab Sample ID: 500-150867-4

Date Collected: 08/31/18 15:50

Matrix: Solid

Date Received: 09/01/18 10:28

Percent Solids: 69.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			448191	09/04/18 08:10	DX	TAL CHI
Total/NA	Analysis	8270D		1	448389	09/05/18 10:43	AJD	TAL CHI
Total/NA	Prep	3541			448233	09/04/18 11:14	DX	TAL CHI
Total/NA	Analysis	8082A		5	448400	09/05/18 10:45	BJH	TAL CHI
Total/NA	Prep	3050B			448202	09/04/18 08:42	SAH	TAL CHI
Total/NA	Analysis	6010B		1	448353	09/04/18 20:10	JEF	TAL CHI
Total/NA	Prep	3050B			448202	09/04/18 08:42	SAH	TAL CHI
Total/NA	Analysis	6010B		1	448467	09/05/18 14:00	JEF	TAL CHI
Total/NA	Prep	7471B			448270	09/04/18 16:55	MJG	TAL CHI
Total/NA	Analysis	7471B		25	448468	09/05/18 14:34	MJG	TAL CHI

Laboratory References:

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

Accreditation/Certification Summary

Client: EnviroAnalytics Group LLC
Project/Site: Rock River Sediment Removal, Janesville

TestAmerica Job ID: 500-150867-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-19
Analysis Method	Prep Method	Matrix	Analyte	

Laboratory: TestAmerica Canton

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Oregon	NELAP	10	4062	02-23-19

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	998027800	08-31-18 *
Analysis Method	Prep Method	Matrix	Analyte	

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

TestAmerica Canton Sample Receipt Form/Narrative

Login # : 100699

Canton Facility


Client EnviroAnalytics Site Name _____
 Cooler Received on 9-1-18 Opened on 9-1-18
 FedEx: 1st Grd ~~Exp~~ UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Cooler unpacked by:

[Signature]

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____
 Packing material used: ~~Bubble~~ Wrap Foam Plastic Bag None Other _____
 COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt See Multiple Cooler Form
 IR GUN# IR-8 (CF +0 °C) Observed Cooler Temp. 0.8 °C Corrected Cooler Temp. 0.8 °C
 IR GUN #36 (CF -0.3°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No
 -Were the seals on the outside of the cooler(s) signed & dated? Yes No NA
 -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes ~~No~~
 -Were tamper/custody seals intact and uncompromised? Yes No NA
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes ~~No~~
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Are these work share samples? Yes ~~No~~
 If yes, Questions 12-16 have been checked at the originating laboratory.
12. Were all preserved sample(s) at the correct pH upon receipt? Yes No ~~NA~~ pH Strip Lot# HC849151
13. Were VOAs on the COC? Yes ~~No~~
14. Were air bubbles >6 mm in any VOA vials?  ← Larger than this. Yes No ~~NA~~
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes ~~No~~
16. Was a LL Hg or Me Hg trip blank present? Yes ~~No~~

Tests that are not checked for pH by Receiving:

 VOAs
 Oil and Grease
 TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____

Concerning _____

17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

18. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
 Sample(s) _____ were received in a broken container.
 Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

19. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
 Time preserved: _____ Preservative(s) added/Lot number(s): _____

TestAmerica Chicago

2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Knapp, Jim D	Lab PM: Knapp, Jim D	Carrier Tracking No(s):	COC No: 500-65114-31136.1
Client Contact: Mr. Daniel Dunn	Phone:	E-Mail: jim.knapp@testamericainc.com		Page: Page 1 of 1
Company: EnviroAnalytics Group LLC				Job #: 500-150867

Address: 1515 Des Peres Rd. Suite 300
City: Saint Louis
State, Zip: MO, 63131
Phone: 314-835-2814(Tel) 500-150867 COC
Email: ddunn@enviroanalyticsgroup.com
Project Name: Rock River Sediment Removal, Janesville
Site:

Due Date Requested:
TAT Requested (days): **2 days**
PO #: Purchase Order not required
WO #:
Project #: 50014801
SSOW#:

Analysis Requested												
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	25400 - TSS	625 - PAHs	608_PCB - LL PCB's	4500_P_E - Phosphorus	1664B - Oil & Grease	200.7 - As,Pb,Zn	6010B, 7471B, 8082A, 8270D	6020A, 7470A, 8082A, 8270D			Total Number of Containers
		N	N	N	S	S	D	N	N			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code
1 R1	8/31/18	15:15		Water	
2 G1-01	8/31/18	15:25		Water	
3 G2-01	8/31/18	15:35		Water	
4 Total Solids	8/31/18	15:50	C	Water Solids	
5 Leachate Solids	8/31/18	15:55	C	Water Solids	
				Water	
				Water	
				Water	
				Water	
				Water	
				Solid	

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: <i>Riley Underwood</i>	Date/Time: 8/31/18	Company:	Received by: <i>Devin Jensen</i>
Relinquished by: <i>Windy N</i>	Date/Time:	Company:	Date/Time: 8/31/18 10:25
Relinquished by:	Date/Time:	Company:	Date/Time:

15.1

Dep:

Wg

JV:

Svc: PRIORITY C

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ORIGIN ID: PHDA (636) 577-5056
RILEY UNDERWOOD
ENVIRONMENTAL ANALYTICS GROUP LLC
1000 GENERAL MOTORS DR
JANESVILLE, WI 535462531
UNITED STATES US

SHIP DATE: 23AUG18
ACTWTG: 10.00 LB MAN
CAD: 0562071/CAFE3210

SAMPLE RECEIVING
TESTAMERICA PITTSBURGH
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058
REC- 6500-65114

R



180-81527 Waybill

FedEx
Express



FedEx
TRK# 4434 0829 9110
0221

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO AGCA

15238
PIT

Uncorrected temp 4.4 °C
Thermometer ID α

CF 0 Initials JB

PT-WI-SR-001 effective 7/26/13

550067-06/31 552J1/330

Do Not Lift Using This Tag

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ORIGIN ID: PHDA (636) 577-5058
RILEY UNDERWOOD
ENVIRONMENTAL TESTS GROUP LLC
1000 GENERAL MOTORS DR
JANESVILLE, WI 535462631
UNITED STATES US

SHIP DATE: 23AUG18
ACTWGT: 10.00 LB MAN
CAD: 0562071/CAFE3210

TO **SAMPLE RECEIVING**
TESTAMERICA CHICAGO
2417 BOND STREET

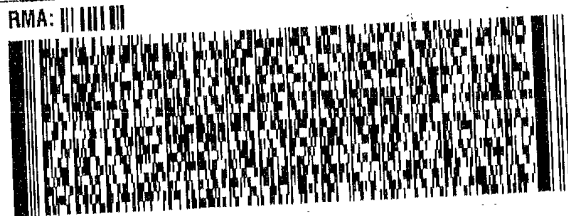
RT **716**
ST **13**

5 **A**
12:00 9051
09.01

UNIVERSITY PARK IL 60

(708) 634-6200
THU
PO1

REF: DEPT:



FedEx
Express



J181118042011v

FedEx

TRK# 4434 0829 9051
0221

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO JOTA

60484
IL-US ORD



500-150867 Waybill



- 1
- 2
- 3
- 4
- 5
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- 7
- 8
- 9
- 10
- 11
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- 13
- 14
- 15

Login Sample Receipt Checklist

Client: EnviroAnalytics Group LLC

Job Number: 500-150867-1

Login Number: 150867

List Source: TestAmerica Chicago

List Number: 1

Creator: Sanchez, Ariel M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	15.1
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: EnviroAnalytics Group LLC

Job Number: 180-81527-1

Login Number: 81527

List Number: 1

Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh

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

