State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Vilas
WI Unique Well # of Removed Well: BH-22B
Hicap #:
Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ SE: ¼ SW: or Gov't Lot #:
Section: 30
Township: 40 N
Range: 05 ☑ E ☐ W
Well Street Address: 14267 Highway 70 West
Well City, Village or Town: Town of Lac du Flambeau
Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard
Facility ID (FID or PWS): BRRTS# 03-64-127899
License/Permit/Monitoring #:
Original Well Owner: Tower Standard
Present Well Owner: Tower Standard
Mailing Address of Present Owner: 14267 State Highway 70 West
City of Present Owner: Lac du Flambeau WI
State:
ZIP Code: 54538

3. Filled & Seated Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/15/15
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (specify): GeoProbe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 15
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet):

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	15		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Giles Engineering/REI Engineering, Inc.
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 9/15/15
Street or Route: 4080 N. 20th Avenue
Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work:
Date Signed: 5-16-16

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Vilas	BH-23A	

Latitude / Longitude (see instructions): _____ N _____ W

Format Code: ☐ DD ☐ DDM

Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SE	¼ SW	Section	Township	Range
or Gov't Lot #		30	40 N	05 ☑ E ☐ W

Well Street Address: 14267 Highway 70 West

Well City, Village or Town: Town of Lac du Flambeau

Well ZIP Code: 54538

Subdivision Name:

Lot #:

Reason for Removal from Service:

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard

Facility ID (FID or PWS): BRRTS# 03-64-127899

License/Permit/Monitoring #:

Original Well Owner: Tower Standard

Present Well Owner: Tower Standard

Mailing Address of Present Owner: 14267 State Highway 70 West

City of Present Owner	State	ZIP Code
Lac du Flambeau	WI	54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/15/15

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (specify): GeoProbe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 5

Casing Diameter (in.):

Lower Drillhole Diameter (in.):

Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Giles Engineering/REI Engineering, Inc.		9/15/15

Street or Route: 4080 N. 20th Avenue

Telephone Number: (715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature]	5-16-16

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Vilas
WI Unique Well # of Removed Well: BH-23B
Hicap #:
Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ SE: ¼ SW: or Gov't Lot #:
Section: 30
Township: 40 N
Range: 05 ☑ E ☐ W
Well Street Address: 14267 Highway 70 West
Well City, Village or Town: Town of Lac du Flambeau
Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard
Facility ID (FID or PWS): BRRTS# 03-64-127899
License/Permit/Monitoring #:
Original Well Owner: Tower Standard
Present Well Owner: Tower Standard
Mailing Address of Present Owner: 14267 State Highway 70 West
City of Present Owner: Lac du Flambeau WI
State:
ZIP Code: 54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/15/15
If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): GeoProbe

Formation Type: ☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 3
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet):

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials: ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	3		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Giles Engineering/REI Engineering, Inc.
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 9/15/15
Street or Route: 4080 N. 20th Avenue
Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work:
Date Signed: 5-16-16

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Vilas
WI Unique Well # of Removed Well: BH-23C
Hicap #:
Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ SE ¼ SW or Gov't Lot #:
Section: 30
Township: 40 N
Range: 05 ☑ E ☐ W
Well Street Address: 14267 Highway 70 West
Well City, Village or Town: Town of Lac du Flambeau
Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard
Facility ID (FID or PWS): BRRTS# 03-64-127899
License/Permit/Monitoring #:
Original Well Owner: Tower Standard
Present Well Owner: Tower Standard
Mailing Address of Present Owner: 14267 State Highway 70 West
City of Present Owner: Lac du Flambeau
State: WI
ZIP Code: 54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/15/15
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (specify): GeoProbe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 10
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):
Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	10		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Giles Engineering/REI Engineering, Inc.
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 9/15/15
Street or Route: 4080 N. 20th Avenue
Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work: [signature]
Date Signed: 5-16-16

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Vilas
WI Unique Well # of Removed Well: BH-23D
Hicap #:
Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ SE: ¼ SW: or Gov't Lot #:
Section: 30
Township: 40 N
Range: 05 ☑ E ☐ W
Well Street Address: 14267 Highway 70 West
Well City, Village or Town: Town of Lac du Flambeau
Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard
Facility ID (FID or PWS): BRRTS# 03-64-127899
License/Permit/Monitoring #:
Original Well Owner: Tower Standard
Present Well Owner: Tower Standard
Mailing Address of Present Owner: 14267 State Highway 70 West
City of Present Owner: Lac du Flambeau WI
State:
ZIP Code: 54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/15/15
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (specify): GeoProbe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 3.5
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):
Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	3.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Giles Engineering/REI Engineering, Inc.
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 9/15/15
Street or Route: 4080 N. 20th Avenue
Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work:
Date Signed: 5-16-16

DNR Use Only
Date Received:
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Comments:

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Vilas	BH-23E	

Latitude / Longitude (see instructions): _____ N _____ W

Format Code: ☐ DD ☐ DDM

Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SE	¼ SW	Section	Township	Range
or Gov't Lot #		30	40 N	05 ☑ E ☐ W

Well Street Address: 14267 Highway 70 West

Well City, Village or Town: Town of Lac du Flambeau

Well ZIP Code: 54538

Subdivision Name:

Lot #:

Reason for Removal from Service:

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard

Facility ID (FID or PWS): BRRTS# 03-64-127899

License/Permit/Monitoring #:

Original Well Owner: Tower Standard

Present Well Owner: Tower Standard

Mailing Address of Present Owner: 14267 State Highway 70 West

City of Present Owner	State	ZIP Code
Lac du Flambeau WI		54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/15/15

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (specify): GeoProbe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 3.5

Casing Diameter (in.):

Lower Drillhole Diameter (in.):

Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	3.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	DNR Use Only: Date Received	Noted By
Giles Engineering/REI Engineering, Inc.		9/15/15		

Street or Route	Telephone Number	Comments
4080 N. 20th Avenue	(715) 675-9784	

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature]	5-16-16

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Vilas	BH-24	

Latitude / Longitude (see instructions): _____ N _____ W

Format Code: ☐ DD ☐ DDM

Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SE	¼ SW	Section	Township	Range
or Gov't Lot #		30	40 N	05 ☑ E ☐ W

Well Street Address: 14267 Highway 70 West

Well City, Village or Town: Town of Lac du Flambeau

Well ZIP Code: 54538

Subdivision Name:

Lot #:

Reason for Removal from Service:

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard

Facility ID (FID or PWS): BRRTS# 03-64-127899

License/Permit/Monitoring #:

Original Well Owner: Tower Standard

Present Well Owner: Tower Standard

Mailing Address of Present Owner: 14267 State Highway 70 West

City of Present Owner	State	ZIP Code
Lac du Flambeau	WI	54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/15/15

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (specify): GeoProbe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 10

Casing Diameter (in.):

Lower Drillhole Diameter (in.):

Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	10		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Giles Engineering/REI Engineering, Inc.		9/15/15

Street or Route: 4080 N. 20th Avenue

Telephone Number: (715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature]	5-16-16

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Vilas	BH-25	

Latitude / Longitude (see instructions)	Format Code	Method Code
N	☐ DD	☐ GPS008
W	☐ DDM	☐ SCR002 ☐ OTH001

¼ / ¼ SE	¼ SW	Section	Township	Range	
or Gov't Lot #		30	40 N	05	☑ E ☐ W

Well Street Address: 14267 Highway 70 West

Well City, Village or Town: Town of Lac du Flambeau | Well ZIP Code: 54538

Subdivision Name: | Lot #:

Reason for Removal from Service: | WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard

Facility ID (FID or PWS): BRRTS# 03-64-127899

License/Permit/Monitoring #:

Original Well Owner: Tower Standard

Present Well Owner: Tower Standard

Mailing Address of Present Owner: 14267 State Highway 70 West

City of Present Owner	State	ZIP Code
Lac du Flambeau WI		54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/15/15

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): GeoProbe

Formation Type: ☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 27 | Casing Diameter (in.):

Lower Drillhole Diameter (in.): | Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown

If yes, to what depth (feet)? | Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☑	☐	☐
Casing left in place?	☐	☑	☐
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials: ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	27		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	DNR Use Only: Date Received	Noted By
Giles Engineering/REI Engineering, Inc.		9/15/15		

Street or Route	Telephone Number	Comments
4080 N. 20th Avenue	(715) 675-9784	

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature]	5-16-16

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Vilas
WI Unique Well # of Removed Well: BH-26
Hicap #:
Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ SE ¼ SW or Gov't Lot #:
Section: 30
Township: 40 N
Range: 05 ☑ E ☐ W
Well Street Address: 14267 Highway 70 West
Well City, Village or Town: Town of Lac du Flambeau
Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard
Facility ID (FID or PWS): BRRTS# 03-64-127899
License/Permit/Monitoring #:
Original Well Owner: Tower Standard
Present Well Owner: Tower Standard
Mailing Address of Present Owner: 14267 State Highway 70 West
City of Present Owner: Lac du Flambeau WI
State:
ZIP Code: 54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/15/15
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (specify): GeoProbe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 27
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☑	☐	☐
Casing left in place?	☐	☑	☐
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	27		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Giles Engineering/REI Engineering, Inc.
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 9/15/15
Street or Route: 4080 N. 20th Avenue
Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work: [signature]
Date Signed: 5-16-16

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Vilas
WI Unique Well # of Removed Well: BH-27
Hicap #:
Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ SE ¼ SW or Gov't Lot #:
Section: 30
Township: 40 N
Range: 05 ☑ E ☐ W
Well Street Address: 14267 Highway 70 West
Well City, Village or Town: Town of Lac du Flambeau
Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard
Facility ID (FID or PWS): BRRTS# 03-64-127899
License/Permit/Monitoring #:
Original Well Owner: Tower Standard
Present Well Owner: Tower Standard
Mailing Address of Present Owner: 14267 State Highway 70 West
City of Present Owner: Lac du Flambeau WI
State:
ZIP Code: 54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/15/15
If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): GeoProbe

Formation Type: ☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 15
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials: ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	15		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Giles Engineering/REI Engineering, Inc.
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 9/15/15
Street or Route: 4080 N. 20th Avenue
Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work:
Date Signed: 5-16-16

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

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Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Vilas	BH-28	

Latitude / Longitude (see instructions)	Format Code	Method Code
N / W	☐ DD ☐ DDM	☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SE	¼ SW	Section	Township	Range
or Gov't Lot #		30	40 N	05 ☑ E ☐ W

Well Street Address: 14267 Highway 70 West

Well City, Village or Town	Well ZIP Code
Town of Lac du Flambeau	54538

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well

2. Facility / Owner Information

Facility Name: Tower Standard

Facility ID (FID or PWS): BRRTS# 03-64-127899

License/Permit/Monitoring #:

Original Well Owner: Tower Standard

Present Well Owner: Tower Standard

Mailing Address of Present Owner: 14267 State Highway 70 West

City of Present Owner	State	ZIP Code
Lac du Flambeau WI		54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/15/15

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): GeoProbe

Formation Type: ☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
15	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials: ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	15		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Giles Engineering/REI Engineering, Inc.		9/15/15

Street or Route	Telephone Number
4080 N. 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature]	5-16-16

DNR Use Only

Date Received	Noted By

Comments:

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Vilas	BH-29	

Latitude / Longitude (see instructions): _____ N _____ W

Format Code: ☐ DD ☐ DDM

Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SE	¼ SW	Section	Township	Range
or Gov't Lot #		30	40 N	05 ☑ E ☐ W

Well Street Address: 14267 Highway 70 West

Well City, Village or Town: Town of Lac du Flambeau

Well ZIP Code: 54538

Subdivision Name:

Lot #:

Reason for Removal from Service:

WI Unique Well # of Replacement Well: _____

2. Facility / Owner Information

Facility Name: Tower Standard

Facility ID (FID or PWS): BRRTS# 03-64-127899

License/Permit/Monitoring #:

Original Well Owner: Tower Standard

Present Well Owner: Tower Standard

Mailing Address of Present Owner: 14267 State Highway 70 West

City of Present Owner	State	ZIP Code
Lac du Flambeau	WI	54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/16/15

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (specify): GeoProbe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 20

Casing Diameter (in.):

Lower Drillhole Diameter (in.):

Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	20		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Giles Engineering/REI Engineering, Inc.		9/16/15

Street or Route: 4080 N. 20th Avenue

Telephone Number: (715) 675-9784

City	State	ZIP Code
Wausau	WI	54401

Signature of Person Doing Work: [signature]

Date Signed: 5-16-16

DNR Use Only

Date Received:

Noted By:

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Vilas
WI Unique Well # of Removed Well: BH-30
Hicap #:
Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ SE ¼ SW or Gov't Lot #:
Section: 30
Township: 40 N
Range: 05 ☑ E ☐ W
Well Street Address: 14267 Highway 70 West
Well City, Village or Town: Town of Lac du Flambeau
Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard
Facility ID (FID or PWS): BRRTS# 03-64-127899
License/Permit/Monitoring #:
Original Well Owner: Tower Standard
Present Well Owner: Tower Standard
Mailing Address of Present Owner: 14267 State Highway 70 West
City of Present Owner: Lac du Flambeau WI
State:
ZIP Code: 54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/16/15
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (specify): GeoProbe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 25
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☑	☐	☐
Casing left in place?	☐	☑	☐
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	25		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Giles Engineering/REI Engineering, Inc.
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 9/16/15
Street or Route: 4080 N. 20th Avenue
Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work:
Date Signed: 5-16-16

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Vilas	BH-31A	

Latitude / Longitude (see instructions): _____ N _____ W

Format Code: ☐ DD ☐ DDM

Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SE	¼ SW	Section	Township	Range
or Gov't Lot #		30	40 N	05 ☑ E ☐ W

Well Street Address: 14267 Highway 70 West

Well City, Village or Town: Town of Lac du Flambeau

Well ZIP Code: 54538

Subdivision Name:

Lot #:

Reason for Removal from Service:

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard

Facility ID (FID or PWS): BRRTS# 03-64-127899

License/Permit/Monitoring #:

Original Well Owner: Tower Standard

Present Well Owner: Tower Standard

Mailing Address of Present Owner: 14267 State Highway 70 West

City of Present Owner	State	ZIP Code
Lac du Flambeau	WI	54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/16/15

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (specify): GeoProbe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 4.5

Casing Diameter (in.):

Lower Drillhole Diameter (in.):

Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet):

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	4.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	DNR Use Only: Date Received	Noted By
Giles Engineering/REI Engineering, Inc.		9/16/15		

Street or Route	Telephone Number	Comments
4080 N. 20th Avenue	(715) 675-9784	

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature]	5-16-16

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Vilas
WI Unique Well # of Removed Well: BH-31B
Hicap #:
Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ SE: ¼ SW:
or Gov't Lot #:
Section: 30
Township: 40 N
Range: 05 ☑ E ☐ W
Well Street Address: 14267 Highway 70 West
Well City, Village or Town: Town of Lac du Flambeau
Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard
Facility ID (FID or PWS): BRRTS# 03-64-127899
License/Permit/Monitoring #:
Original Well Owner: Tower Standard
Present Well Owner: Tower Standard
Mailing Address of Present Owner: 14267 State Highway 70 West
City of Present Owner: Lac du Flambeau WI
State:
ZIP Code: 54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/16/15
If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): GeoProbe

Formation Type: ☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 10
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):
Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials: ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	10		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Giles Engineering/REI Engineering, Inc.
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 9/16/15
Street or Route: 4080 N. 20th Avenue
Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work:
Date Signed: 5-16-16

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Vilas
WI Unique Well # of Removed Well: BH-32A
Hicap #:
Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ SE: ¼ SW:
or Gov't Lot #:
Section: 30
Township: 40 N
Range: 05 ☑ E ☐ W
Well Street Address: 14267 Highway 70 West
Well City, Village or Town: Town of Lac du Flambeau
Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard
Facility ID (FID or PWS): BRRTS# 03-64-127899
License/Permit/Monitoring #:
Original Well Owner: Tower Standard
Present Well Owner: Tower Standard
Mailing Address of Present Owner: 14267 State Highway 70 West
City of Present Owner: Lac du Flambeau
State: WI
ZIP Code: 54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/16/15
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (specify): GeoProbe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 5
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Giles Engineering/REI Engineering, Inc.
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 9/16/15
Street or Route: 4080 N. 20th Avenue
Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work: [signature]
Date Signed: 5-16-16

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Vilas
WI Unique Well # of Removed Well: BH-32B
Hicap #:
Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ SE ¼ SW or Gov't Lot #:
Section: 30
Township: 40 N
Range: 05 ☑ E ☐ W
Well Street Address: 14267 Highway 70 West
Well City, Village or Town: Town of Lac du Flambeau
Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard
Facility ID (FID or PWS): BRRTS# 03-64-127899
License/Permit/Monitoring #:
Original Well Owner: Tower Standard
Present Well Owner: Tower Standard
Mailing Address of Present Owner: 14267 State Highway 70 West
City of Present Owner: Lac du Flambeau WI
State:
ZIP Code: 54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/16/15
If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): GeoProbe

Formation Type: ☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 10
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):
Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials: ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	10		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Giles Engineering/REI Engineering, Inc.
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 9/16/15
Street or Route: 4080 N. 20th Avenue
Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work:
Date Signed: 5-16-16

DNR Use Only
Date Received:
Noted By:
Comments:

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Vilas	BH-33	

Latitude / Longitude (see instructions): _____ N _____ W

Format Code: ☐ DD ☐ DDM

Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SE	¼ SW	Section	Township	Range
or Gov't Lot #		30	40 N	05 ☑ E ☐ W

Well Street Address: 14267 Highway 70 West

Well City, Village or Town: Town of Lac du Flambeau

Well ZIP Code: 54538

Subdivision Name:

Lot #:

Reason for Removal from Service:

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard

Facility ID (FID or PWS): BRRTS# 03-64-127899

License/Permit/Monitoring #:

Original Well Owner: Tower Standard

Present Well Owner: Tower Standard

Mailing Address of Present Owner: 14267 State Highway 70 West

City of Present Owner	State	ZIP Code
Lac du Flambeau	WI	54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/16/15

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (specify): GeoProbe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 10

Casing Diameter (in.):

Lower Drillhole Diameter (in.):

Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet):

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	10		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Giles Engineering/REI Engineering, Inc.		9/16/15

Street or Route: 4080 N. 20th Avenue

Telephone Number: (715) 675-9784

City	State	ZIP Code
Wausau	WI	54401

Signature of Person Doing Work: [signature]

Date Signed: 5-16-16

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Vilas
WI Unique Well # of Removed Well: BH-34
Hicap #:
Latitude / Longitude (see instructions): N / W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ SE ¼ SW or Gov't Lot #:
Section: 30
Township: 40 N
Range: 05 ☑ E ☐ W
Well Street Address: 14267 Highway 70 West
Well City, Village or Town: Town of Lac du Flambeau
Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard
Facility ID (FID or PWS): BRRTS# 03-64-127899
License/Permit/Monitoring #:
Original Well Owner: Tower Standard
Present Well Owner: Tower Standard
Mailing Address of Present Owner: 14267 State Highway 70 West
City of Present Owner: Lac du Flambeau WI
State:
ZIP Code: 54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/16/15
If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): GeoProbe

Formation Type: ☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 20
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials: ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	20		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Giles Engineering/REI Engineering, Inc.
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 9/16/15
Street or Route: 4080 N. 20th Avenue
Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work: [signature]
Date Signed: 5-16-16

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Vilas	BH-35A	

Latitude / Longitude (see instructions)	Format Code	Method Code
N W	☐ DD ☐ DDM	☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SE	¼ SW	Section	Township	Range
or Gov't Lot #		30	40 N	05 ☑ E ☐ W

Well Street Address: 14267 Highway 70 West

Well City, Village or Town	Well ZIP Code
Town of Lac du Flambeau	54538

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well

2. Facility / Owner Information

Facility Name: Tower Standard

Facility ID (FID or PWS): BRRTS# 03-64-127899

License/Permit/Monitoring #:

Original Well Owner: Tower Standard

Present Well Owner: Tower Standard

Mailing Address of Present Owner: 14267 State Highway 70 West

City of Present Owner	State	ZIP Code
Lac du Flambeau WI		54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/16/15

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (specify): GeoProbe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
5	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Giles Engineering/REI Engineering, Inc.		9/16/15

Street or Route	Telephone Number
4080 N. 20th Avenue	(715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature]	5-16-16

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Vilas
WI Unique Well # of Removed Well: BH-35B
Hicap #:
Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ SE ¼ SW or Gov't Lot #:
Section: 30
Township: 40 N
Range: 05 ☑ E ☐ W
Well Street Address: 14267 Highway 70 West
Well City, Village or Town: Town of Lac du Flambeau
Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard
Facility ID (FID or PWS): BRRTS# 03-64-127899
License/Permit/Monitoring #:
Original Well Owner: Tower Standard
Present Well Owner: Tower Standard
Mailing Address of Present Owner: 14267 State Highway 70 West
City of Present Owner: Lac du Flambeau WI
State:
ZIP Code: 54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/16/15
If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): GeoProbe

Formation Type: ☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 15
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet):

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials: ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	15		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Giles Engineering/REI Engineering, Inc.
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 9/16/15
Street or Route: 4080 N. 20th Avenue
Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work:
Date Signed: 5-16-16

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Vilas	BH-36	

Latitude / Longitude (see instructions): _____ N _____ W

Format Code: ☐ DD ☐ DDM

Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SE	¼ SW	Section	Township	Range
or Gov't Lot #		30	40 N	05 ☑ E ☐ W

Well Street Address: 14267 Highway 70 West

Well City, Village or Town: Town of Lac du Flambeau

Well ZIP Code: 54538

Subdivision Name:

Lot #:

Reason for Removal from Service:

WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard

Facility ID (FID or PWS): BRRTS# 03-64-127899

License/Permit/Monitoring #:

Original Well Owner: Tower Standard

Present Well Owner: Tower Standard

Mailing Address of Present Owner: 14267 State Highway 70 West

City of Present Owner	State	ZIP Code
Lac du Flambeau	WI	54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/16/15

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): GeoProbe

Formation Type: ☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 39

Casing Diameter (in.):

Lower Drillhole Diameter (in.):

Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown

If yes, to what depth (feet)?

Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☑	☐	☐
Casing left in place?	☐	☑	☐
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials: ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	39		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	DNR Use Only: Date Received	Noted By
Giles Engineering/REI Engineering, Inc.		9/16/15		

Street or Route: 4080 N. 20th Avenue

Telephone Number: (715) 675-9784

Comments:

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature]	5-16-16

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Vilas
WI Unique Well # of Removed Well: BH-37A
Hicap #:
Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ SE: ¼ SW:
or Gov't Lot #:
Section: 30
Township: 40 N
Range: 05 ☑ E ☐ W
Well Street Address: 14267 Highway 70 West
Well City, Village or Town: Town of Lac du Flambeau
Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard
Facility ID (FID or PWS): BRRTS# 03-64-127899
License/Permit/Monitoring #:
Original Well Owner: Tower Standard
Present Well Owner: Tower Standard
Mailing Address of Present Owner: 14267 State Highway 70 West
City of Present Owner: Lac du Flambeau
State: WI
ZIP Code: 54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/16/15
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☑ Other (specify): GeoProbe

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 10
Casing Diameter (in.):
Lower Drillhole Diameter (in.):
Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☐	☐	☑
Casing left in place?	☐	☐	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	10		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Giles Engineering/REI Engineering, Inc.
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 9/16/15
Street or Route: 4080 N. 20th Avenue
Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work: [signature]
Date Signed: 5-16-16

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau: ☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Vilas	BH-37B	

Latitude / Longitude (see instructions)	Format Code	Method Code
N W	☐ DD ☐ DDM	☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SE	¼ SW	Section	Township	Range
or Gov't Lot #		30	40 N	05 ☑ E ☐ W

Well Street Address: 14267 Highway 70 West

Well City, Village or Town: Town of Lac du Flambeau | Well ZIP Code: 54538

Subdivision Name: | Lot #:

Reason for Removal from Service: | WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard

Facility ID (FID or PWS): BRRTS# 03-64-127899

License/Permit/Monitoring #:

Original Well Owner: Tower Standard

Present Well Owner: Tower Standard

Mailing Address of Present Owner: 14267 State Highway 70 West

City of Present Owner	State	ZIP Code
Lac du Flambeau	WI	54538

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 9/16/15

If a Well Construction Report is available, please attach.

Construction Type: ☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☑ Other (specify): GeoProbe

Formation Type: ☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 40 | Casing Diameter (in.):

Lower Drillhole Diameter (in.): | Casing Depth (ft.):

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown

If yes, to what depth (feet)? | Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☑	☐	☐
Casing left in place?	☐	☑	☐
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material: ☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped ☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials: ☐ Neat Cement Grout ☐ Concrete ☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only: ☐ Bentonite Chips ☐ Bentonite - Cement Grout ☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Granular Bentonite Holeplug	Surface	40		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Giles Engineering/REI Engineering, Inc.		9/16/15

Street or Route: 4080 N. 20th Avenue | Telephone Number: (715) 675-9784

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Wausau	WI	54401	[signature]	5-16-16

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Vilas
WI Unique Well # of Removed Well: SB3
Hicap #:
Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ SE ¼ SW or Gov't Lot #:
Section: 30
Township: 40 N
Range: 05 ☑ E ☐ W
Well Street Address: 14267 Highway 70 West
Well City, Village or Town: Town of Lac du Flambeau
Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard
Facility ID (FID or PWS): BRRTS# 03-64-127899
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:
City of Present Owner:
State:
ZIP Code:

3. Filled & Sealed Well / Drillhole / Borehole Information

☑ Monitoring Well
☐ Water Well
☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 11/04/2015
If a Well Construction Report is available, please attach.

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify): _____

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 39
Casing Diameter (in.): 2
Lower Drillhole Diameter (in.): 8
Casing Depth (ft.): 29

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown
If yes, to what depth (feet)?
Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☑	☐	☐
Casing left in place?	☐	☑	☐
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☑ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Holeplug	Surface	29	3 bags	

6. Comments

Well abandoned prior to completion.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: GESTRA Engineering, Inc./REI Engineering, Inc.
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 11/04/2015
Street or Route: 4080 N. 20th Avenue
Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work:
Date Signed:

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

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☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☑ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County: Vilas
WI Unique Well # of Removed Well: SB1
Hicap #:
Latitude / Longitude (see instructions): _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001
¼ / ¼ SE ¼ SW or Gov't Lot #:
Section: 30
Township: 40 N
Range: 05 ☑ E ☐ W
Well Street Address: 14267 Highway 70 West
Well City, Village or Town: Town of Lac du Flambeau
Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
WI Unique Well # of Replacement Well:

2. Facility / Owner Information

Facility Name: Tower Standard
Facility ID (FID or PWS): BRRTS# 03-64-127899
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner:
Mailing Address of Present Owner:
City of Present Owner:
State:
ZIP Code:

3. Filled & Sealed Well / Drillhole / Borehole Information

☑ Monitoring Well
☐ Water Well
☑ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 11/03/2015
If a Well Construction Report is available, please attach.

Construction Type:
☑ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify): _____

Formation Type:
☑ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.): 39
Casing Diameter (in.): 2
Lower Drillhole Diameter (in.): 8
Casing Depth (ft.): 29

Was well annular space grouted? ☐ Yes ☑ No ☐ Unknown

If yes, to what depth (feet)?
Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☑	☐	☑
Casing left in place?	☐	☑	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☑ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☑ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Holeplug	Surface	3	1/4 bag	

6. Comments

Well abandoned prior to completion.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: PSI/REI Engineering, Inc.
License #:
Date of Filling & Sealing or Verification (mm/dd/yyyy): 11/03/2015
Street or Route: 4080 N. 20th Avenue
Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work:
Date Signed:

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

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¼ / ¼ SE ¼ SW or Gov't Lot #:
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Range: 05 ☑ E ☐ W
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Well ZIP Code: 54538
Subdivision Name:
Lot #:
Reason for Removal from Service:
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Facility Name: Tower Standard
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3. Filled & Sealed Well / Drillhole / Borehole Information

☑ Monitoring Well
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If yes, to what depth (feet)?
Depth to Water (feet)

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

	Yes	No	N/A
Pump and piping removed?	☐	☐	☑
Liner(s) removed?	☐	☐	☑
Liner(s) perforated?	☐	☐	☑
Screen removed?	☑	☐	☑
Casing left in place?	☐	☑	☑
Was casing cut off below surface?	☐	☐	☑
Did sealing material rise to surface?	☑	☐	☐
Did material settle after 24 hours?	☐	☑	☐
If yes, was hole retopped?	☐	☐	☐
If bentonite chips were used, were they hydrated with water from a known safe source?	☐	☐	☐

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☑ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
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5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Holeplug	Surface	3	1/4 bag	

6. Comments

Well abandoned prior to completion.

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Telephone Number: (715) 675-9784
City: Wausau
State: WI
ZIP Code: 54401
Signature of Person Doing Work:
Date Signed:

DNR Use Only
Date Received:
Noted By:
Comments:

APPENDIX G

METHODS AND PROCEDURES

Responsive. Efficient. Innovative.

METHODS AND PROCEDURES

FOR

GEOPROBE SOIL SAMPLING

The Geoprobe unit hydraulically advances threaded, two-inch diameter, four-foot long, steel rod sections into the subsurface. A four-foot sampler, consisting of a drive shoe, a steel tube with a clean acetate liner, and a drive-head retractable piston, is attached to the leading Geoprobe rod. The sampler is driven down to the top of the interval to be sampled. The stop-pin is removed to release the drive head piston, which retracts as the sampler is advanced. When the sampler has been advanced four feet, the rods are retracted from the hole and the soil in the acetate liner is recovered. The acetate liner is split open and the soil is visually and manually classified by the field geologist/technician in accordance with **ASTM:D2488-84**. Logs of the borings are filled out indicating the depth and identification of the various strata, water level information, and pertinent information regarding the method of maintaining and advancing the borings.

Immediately after identification, the soil is quickly divided into two portions. One portion is prepared for potential laboratory analysis. The other portion is placed into a clean one-quart Ziploc bag for field screening. See the section "Soil Headspace Analysis" for field screening procedures.

HEADSPACE ANALYSIS

The soils were screened with a RAE photoionization detector (PID) equipped with an 10.6 eV lamp. The detector was calibrated in instrument units for Total Organic Vapors using an isobutylene standard. The soil sample, sealed in a Ziploc bag, was shaken vigorously to promote volatilization of the contaminant into the headspace of the bag. The sample was allowed to rest for at least ten minutes and then shaken again before screening. When ambient temperatures were below 60 degrees F, soil samples were allowed to warm for a minimum of 10 minutes in a heated environment prior to headspace development. The Ziploc bag was punctured with the PID probe and the resulting meter reading was recorded.

SAMPLING AND CHAIN OF CUSTODY

Soil samples for laboratory analysis were collected into laboratory prepared vials. Each vial was labeled and placed directly into a cooler pending delivery to the laboratory. Latex gloves were worn during all sample collection procedures.

An entry on a Chain of Custody log was completed as each sample was collected. The Chain of Custody included the following information: project name, work order number, shipped by, shipped to, sampling point, location, field ID number, date and time taken, sample type, number of containers, analysis required, sampler (s) signature (s), etc. As few people as possible handled the samples. The Chain of Custody log was sent to the laboratory with each cooler of samples.

DECONTAMINATION

Sampling equipment was decontaminated prior to sampling. Steel rod sections were washed after every sample collected.

METHODS AND PROCEDURES

FOR

SOIL SAMPLING USING HOLLOW STEM AUGERS

Soil sampling was done in accordance with **ASTM:D1586-84**. Using this procedure, a 2 inch **OD**, 2 foot long split barrel sampler was driven into the soil by a 140 pound weight falling 30 inches. After an initial set of 6 inches, the number of blows required to drive the sampler an additional 12 inches is known as the penetration resistance or N value. The N value is an index of the relative density of cohesionless soils and the consistency of cohesive soils.

As the samples were obtained in the field, they were visually and manually classified by the field geologist/technician in accordance with **ASTM:D2488-84**. Representative portions of the samples were returned to the laboratory for further examination and for verification of the field classification. Logs of the borings were filled out indicating the depth and identification of the various strata, the N value, water level information and pertinent information regarding the method of maintaining and advancing the borings.

Soil samples recovered by the split spoon were divided into two portions. One portion was prepared for laboratory analysis. The other portion was placed into a clean one quart Ziploc bag. A headspace analysis was then conducted on this latter portion.

HEADSPACE ANALYSIS

The soils were scanned with a RAE photoionization detector equipped with a 10.6 eV lamp and calibrated for direct reading in units of Total Organic Vapors using an isobutylene standard. A Ziploc bag was filled two-thirds of the volume with the sample. The bags were sealed and shaken vigorously before headspace development. Headspace development is allowing the sample to rest for at least ten minutes before scanning. When ambient temperatures were below 60 degrees F, soil samples were allowed to warm for a minimum of 10 minutes in a heated environment prior to headspace development. The Ziploc bag was punctured with the probe and a reading was taken.

SAMPLING AND CHAIN OF CUSTODY

Soil samples were collected from a spilt barrel sampler and placed in laboratory prepared glass vials and placed directly into a cooler pending delivery to the laboratory. Latex gloves were worn during all sample collection procedures.

Upon completion of a sample, a chain of custody log was initiated. The chain of custody record included the following information: project name, work order number, shipped by, shipped to, sampling point, location, field ID number, date and time taken, sample type, number of containers, analysis required, sampler (s) signature (s), etc. As few people as possible handled the samples.

SURVEYING

Grade elevations of borings were surveyed to the nearest 0.1 foot and were tied to a USGS benchmark.

DECONTAMINATION

Sampling equipment were decontaminated prior to sampling. Augers were steam cleaned on plastic and split spoons were cleaned after every sample taken.

METHODS AND PROCEDURES

FOR

MONITORING WELL INSTALLATION AND GROUNDWATER SAMPLING

The water table monitoring wells consist of pipe joint threaded, two inch by ten feet long schedule 40 PVC (#10 slot) with 2 inch schedule 40 PVC riser. After the screen and riser pipe were set, a sand filter pack was placed around the screen to a depth 3 feet above the top of the screen, capped by a 2 foot fine sand layer, covered with a bentonite seal, annular space seal and surface seal. A protective casing did enclose the PVC riser pipe.

Monitoring wells were installed in accordance with Wisconsin Administrative Code NR 141 regulations. The WDNR "Monitoring Well Construction Form 4400-113A" were completed in accordance with NR 144 and NR 147.

The wells were developed by bailing or pumping to establish a reliable intercept with the surrounding formation. At least ten well volumes were removed or bailed until the wells were sediment free. If the well was bailed dry, a minimum of 3 volumes were taken. The WDNR "Monitoring Well Development Form 4400-113B" was completed for each well.

WATER LEVEL

Groundwater level measurements were obtained by using an electronic measuring device which indicated when a probe is in contact by lowering the probe into the well until the instrument indicated that the water surface has been encountered, and the distance from the top of the well to the probe was measured. All measurements were reported to the nearest 0.01 foot.

SAMPLING AND CHAIN OF CUSTODY

Water samples were collected using disposable bottom loading plastic bailers. Prior to sampling, the wells were purged. At least 4 well volumes were removed before sampling to ensure collection of a representative sample. If the well was purged dry, it was allowed to recharge and then it was sampled.

Samples were taken from the middle section of the bailer and placed in laboratory prepared bottles. Samples were labeled and placed in a cooler to be preserved at approximately 4 degrees C. Samples were accompanied by Chain of Custody records.

Upon completion of a sample, a chain of custody log was initiated. The chain of custody record included the following information: project name, work order number, shipped by, shipped to, sampling point, location, field ID number, date and time taken, sample type, number of containers, analysis required, sampler (s) signature (s), etc. As few people as possible handled the samples.

SURVEYING

Grade elevations of monitoring wells were surveyed to the nearest 0.1 foot and top of riser elevations were surveyed to the nearest 0.01 for monitoring wells. Elevations were tied to a USGS benchmark.

DECONTAMINATION

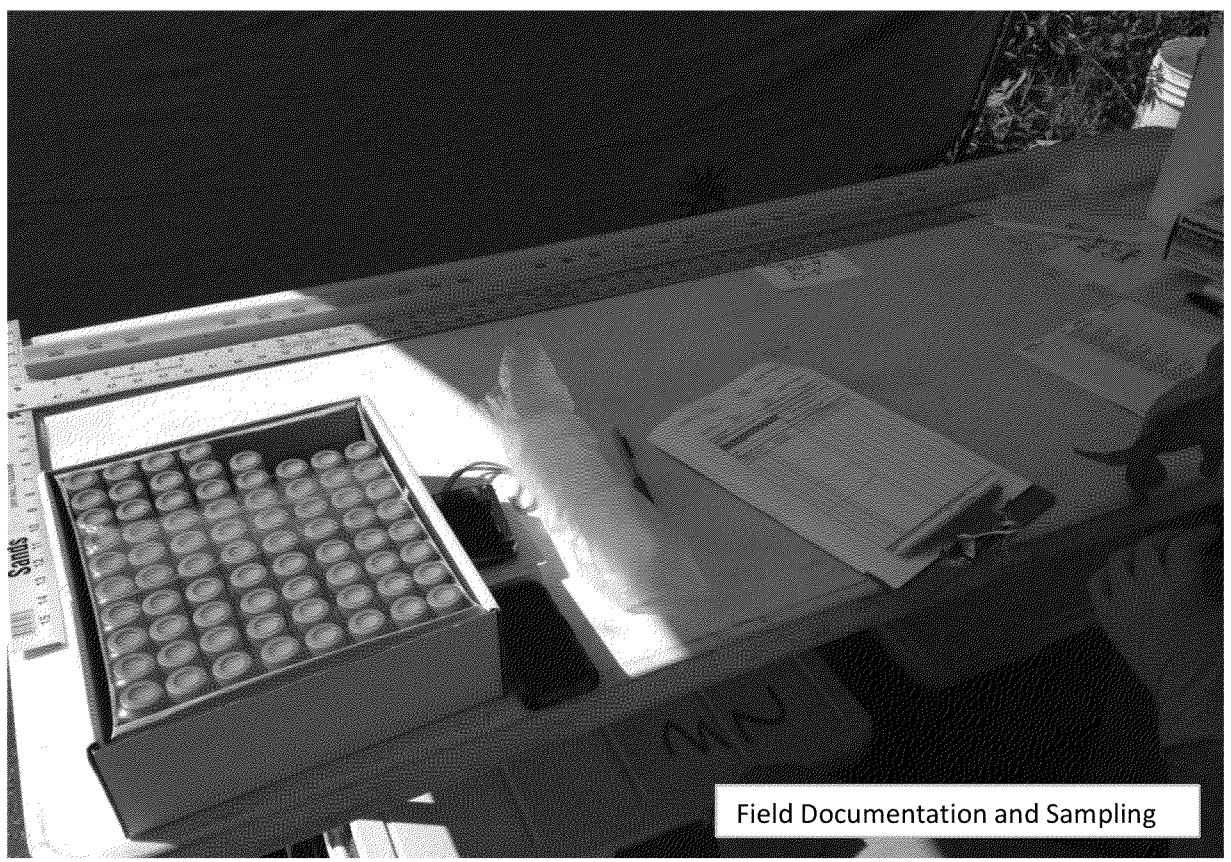
Sampling equipment was decontaminated prior to sampling. The water level measuring device was washed before it was placed into each well using distilled water and Alconox cleaning detergent. Latex gloves were worn during all sample collection procedures and were changed between the collection of each of the water samples from each monitoring well.

APPENDIX H

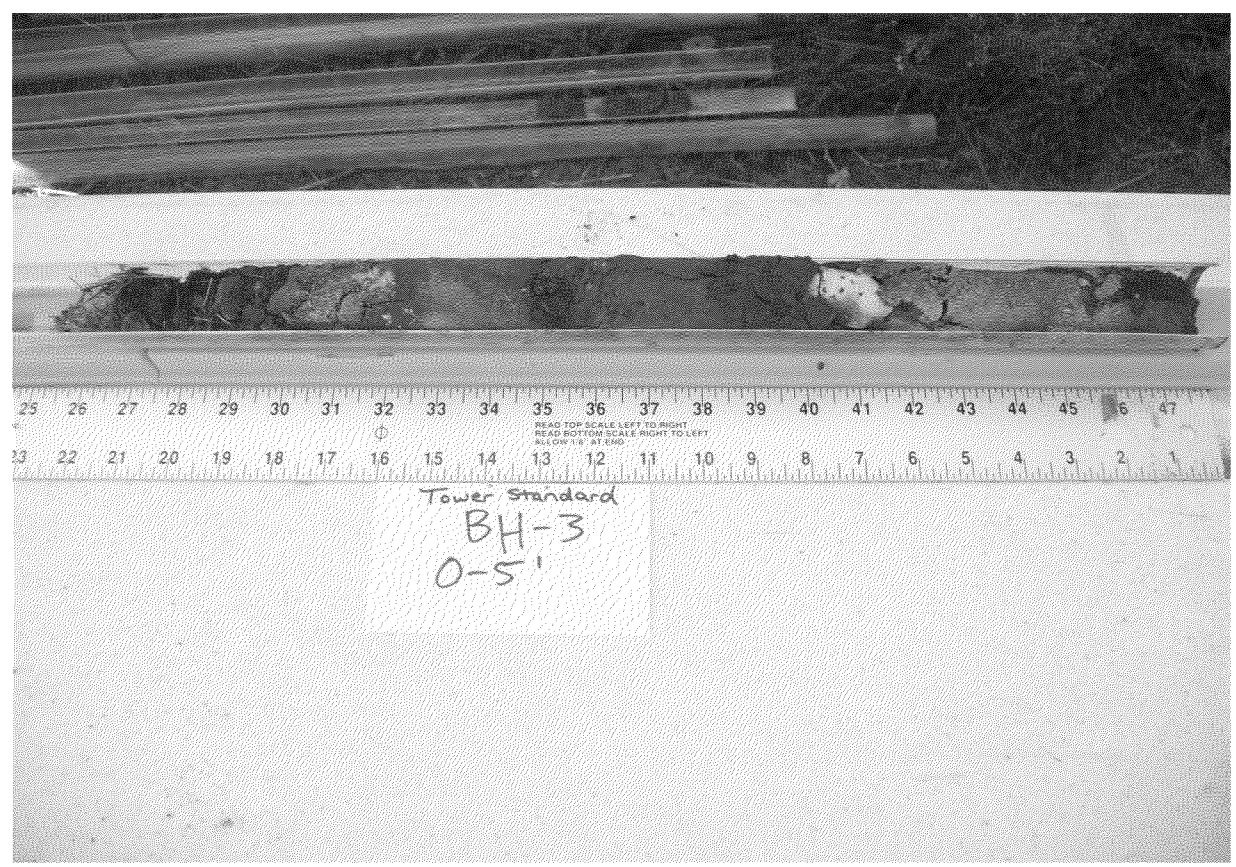
PHOTOGRAPHS

EPA-R5-2017-010506_0002409

Advancing soil borings



Field Documentation and Sampling



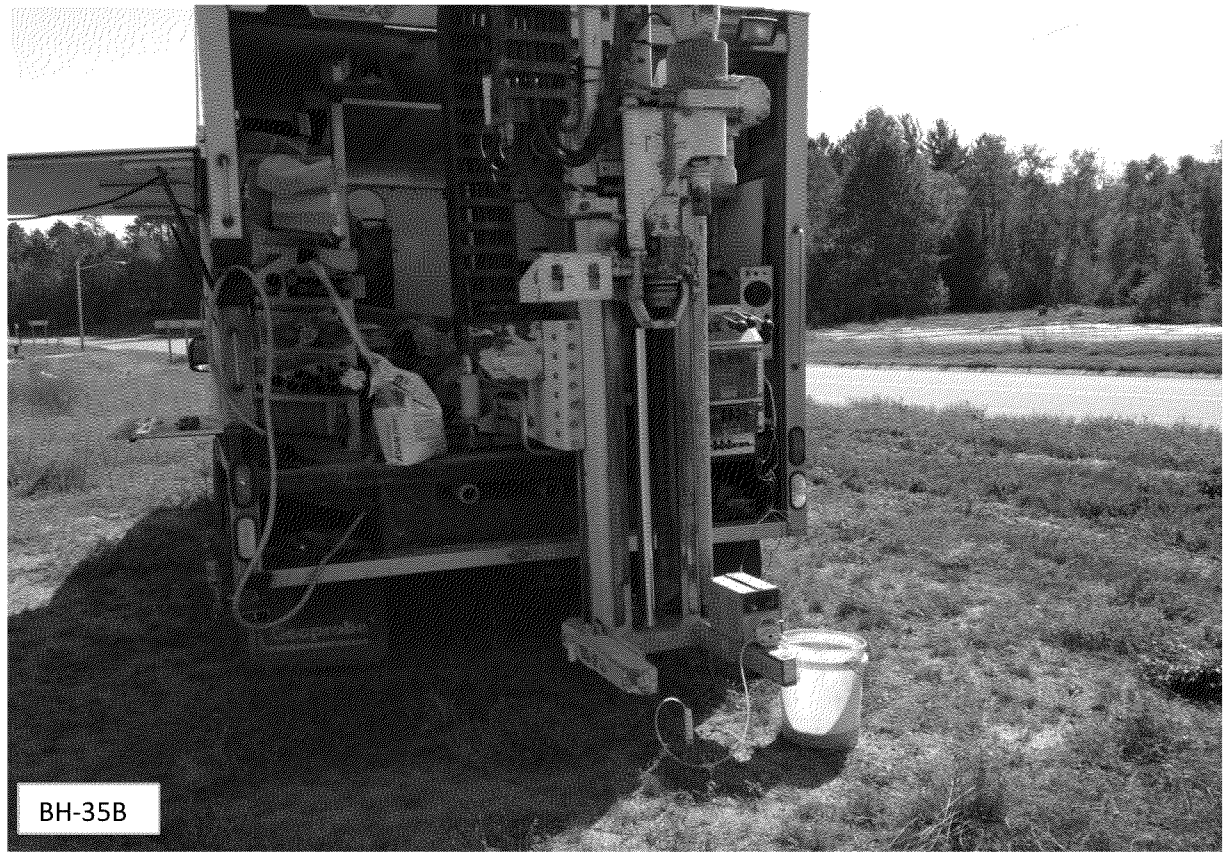
Tower Standard Service	Appendix: H	Site Photographs - Soil Borings
14267 State Highway 70 West	REI Project Number: 903	P:\0900-0999\0903-Tower\Reports\Current Conditions\[903CCappH.xls]Soil Borings #1

EPA-R5-2017-010506_0002409

Flags marking completed soil boring locations

Tower Standard Service	Appendix: H	Site Photographs - Soil Borings
14267 State Highway 70 West	REI Project Number: 903	P:\0900-0999\0903-Tower\Reports\Current Conditions\[903CCappH.xls]Soil Borings #2

EPA-R5-2017-010506_0002409

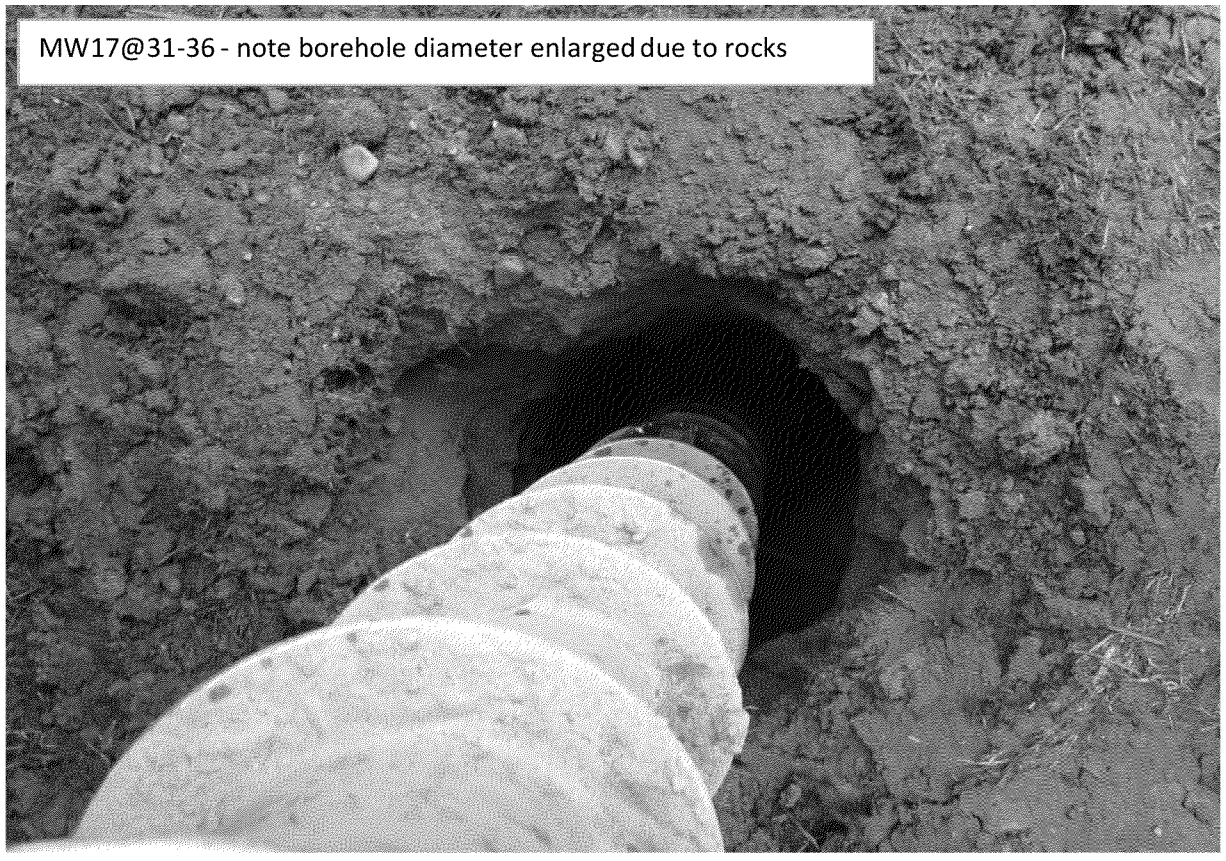


Tower Standard Service	Appendix: H	Site Photographs - Soil Borings
14267 State Highway 70 West	REI Project Number: 903	P:\0900-0999\0903-Tower\Reports\Current Conditions\[903CCappH.xls]Soil Borings #3

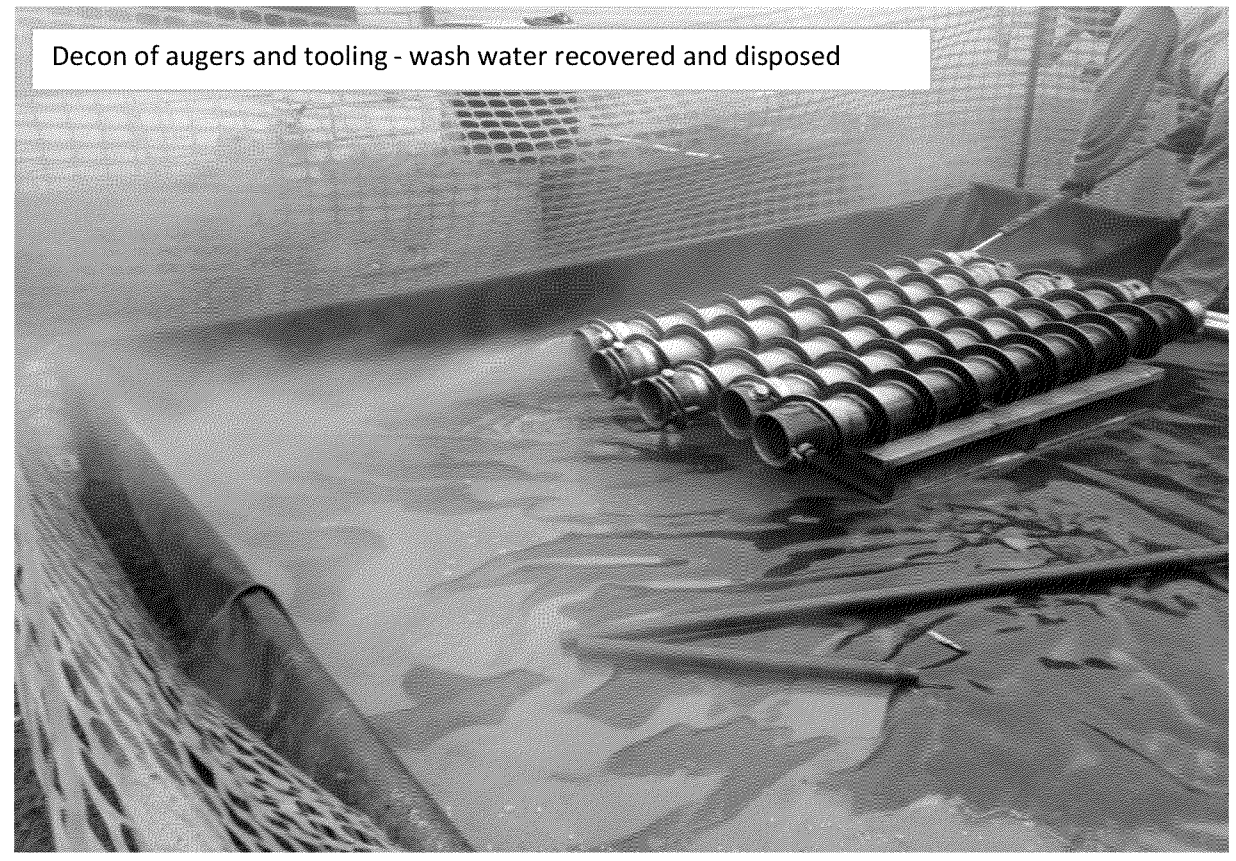
EPA-R5-2017-010506_0002409

Setting up on MW20-25

Installing MW19



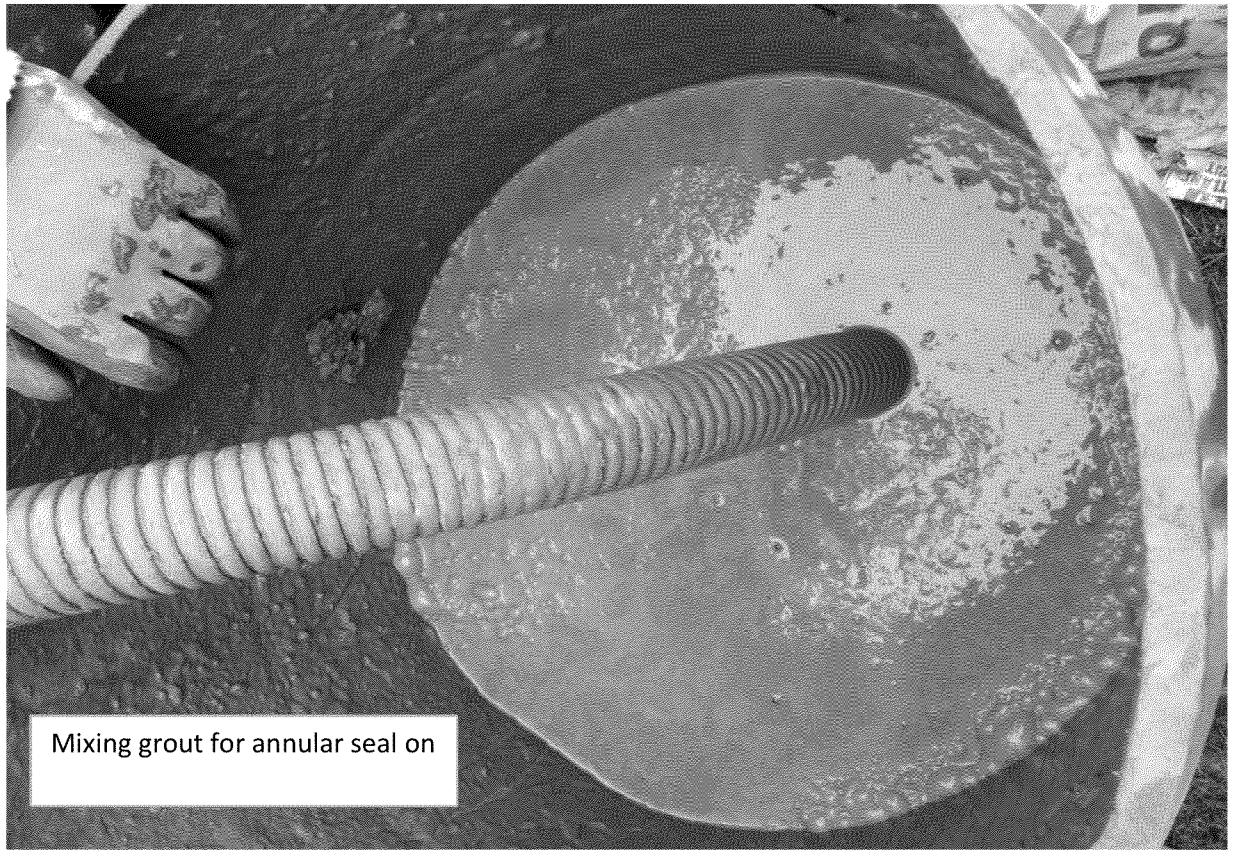
MW17@31-36 - note borehole diameter enlarged due to rocks



Decon of augers and tooling - wash water recovered and disposed

Tower Standard Service	Appendix: H	Site Photographs - Well Installation
14267 State Highway 70 West	REI Project Number: 903	P:\0900-0999\0903-Tower\Reports\Current Conditions\[903CCappH.xls]Well Installation #1

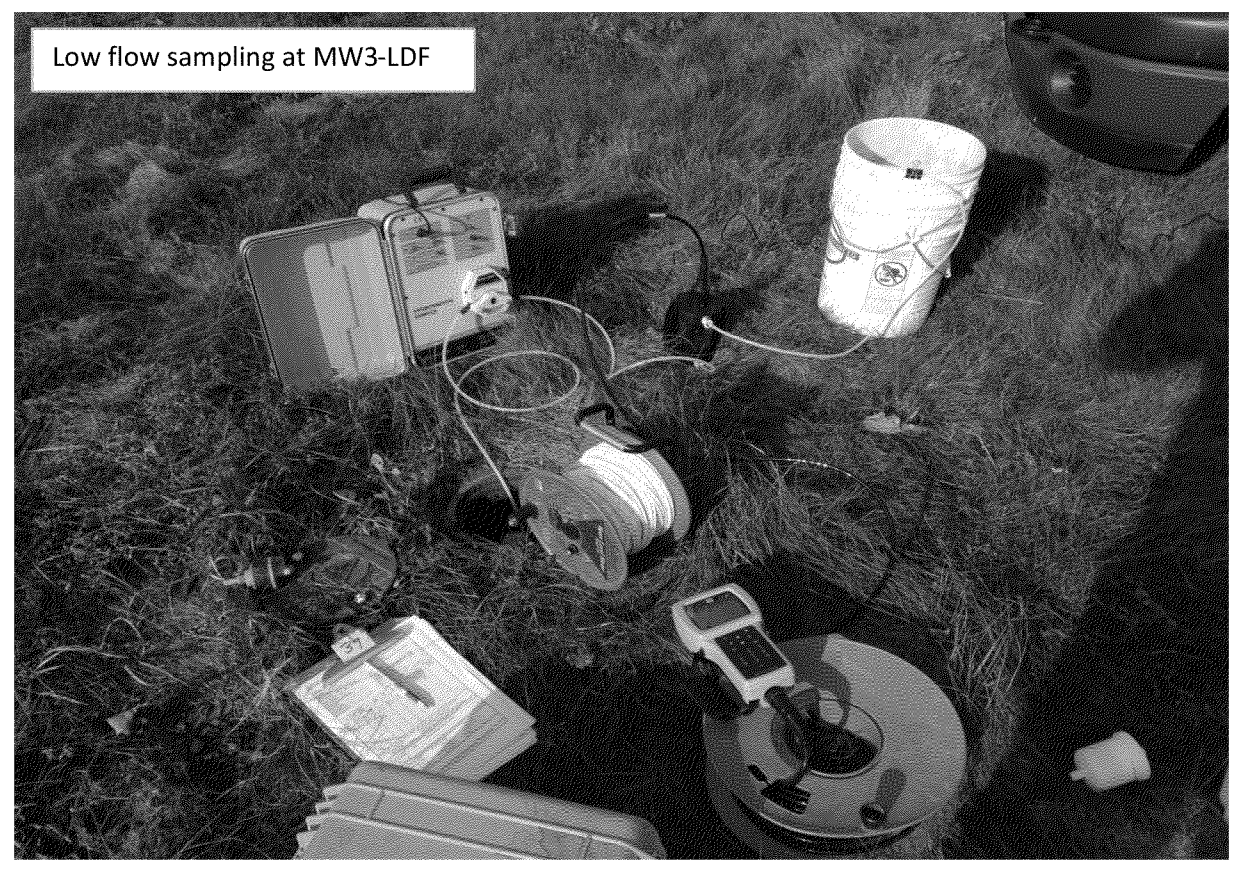
EPA-R5-2017-010506_0002409



Mixing grout for annular seal on

MW18@35-40

MW19



Low flow sampling at MW3-LDF

Tower Standard Service	Appendix: H	Site Photographs - Well Installation
14267 State Highway 70 West	REI Project Number: 903	P:\0900-0999\0903-Tower\Reports\Current Conditions\[903CCappH.xls]Well installation #2

EPA-R5-2017-010506_0002409

APPENDIX I

COPY OF SOIL AND GROUNDWATER ANALYTICAL RESULTS

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

October 02, 2015

DAVID LARSEN
REI
4080 NORTH 20TH AVENUE
Wausau, WI 54401

RE: Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Dear DAVID LARSEN:
Enclosed are the analytical results for sample(s) received by the laboratory on September 19, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Brian Basten
brian.basten@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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

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

CERTIFICATIONS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750

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

SAMPLE SUMMARY

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40121410001	**BH-1 @ 2-4**	Solid	09/14/15 10:40	09/19/15 08:05
40121410002	**BH-1 @ 7-8**	Solid	09/14/15 10:45	09/19/15 08:05
40121410003	**BH-2 @ 2-4**	Solid	09/14/15 10:58	09/19/15 08:05
40121410004	**BH-2 @ 7-8**	Solid	09/14/15 11:02	09/19/15 08:05
40121410005	**BH-3 @ 2-4**	Solid	09/14/15 11:15	09/19/15 08:05
40121410006	**BH-3 @ 7-8**	Solid	09/14/15 11:19	09/19/15 08:05
40121410007	**BH-4 @ 1-2**	Solid	09/14/15 11:36	09/19/15 08:05
40121410008	**BH-4 @ 6-7**	Solid	09/14/15 11:44	09/19/15 08:05
40121410009	**BH-5 @ 1-2**	Solid	09/14/15 11:53	09/19/15 08:05
40121410010	**BH-5 @ 6-7**	Solid	09/14/15 11:57	09/19/15 08:05
40121410011	**BH-6 @ 1-2**	Solid	09/14/15 12:11	09/19/15 08:05
40121410012	**BH-6 @ 6-7**	Solid	09/14/15 12:17	09/19/15 08:05
40121410013	**BH-7 @ 1.5-2.5**	Solid	09/14/15 12:46	09/19/15 08:05
40121410014	**BH-7 @ 6-7**	Solid	09/14/15 12:50	09/19/15 08:05
40121410015	**BH-8 @ 1-2**	Solid	09/14/15 13:10	09/19/15 08:05
40121410016	**BH-8 @ 5.5-6.5**	Solid	09/14/15 13:14	09/19/15 08:05
40121410017	**BH-9 @ 1.5-2.6**	Solid	09/14/15 13:32	09/19/15 08:05
40121410018	**BH-9 @ 5.5-6.7**	Solid	09/14/15 13:37	09/19/15 08:05
40121410019	**BH-10 @ 9-9.5**	Solid	09/14/15 14:05	09/19/15 08:05
40121410020	**BH-11 @ 1-2**	Solid	09/14/15 14:45	09/19/15 08:05
40121410021	**BH-11 @ 8.5-9.0**	Solid	09/14/15 14:53	09/19/15 08:05
40121410022	**BH-12 @ 0.5-1.5**	Solid	09/14/15 15:05	09/19/15 08:05
40121410023	**BH-12 @ 8.5-9.5**	Solid	09/14/15 15:10	09/19/15 08:05
40121410024	**BH-13 @ 1-2**	Solid	09/14/15 15:38	09/19/15 08:05
40121410025	**BH-13 @ 8.5-9.5**	Solid	09/14/15 15:44	09/19/15 08:05
40121410026	**BH-15 @ 0-1.5**	Solid	09/14/15 16:03	09/19/15 08:05
40121410027	**BH-16 @ 5-6**	Solid	09/14/15 16:27	09/19/15 08:05
40121410028	**BH-17 @ 1.5-2.5**	Solid	09/15/15 08:00	09/19/15 08:05
40121410029	**BH-17 @ 7-8**	Solid	09/15/15 08:08	09/19/15 08:05
40121410030	**BH-18 @ 1-2**	Solid	09/15/15 08:33	09/19/15 08:05
40121410031	**BH-18 @ 5.5-6.5**	Solid	09/15/15 08:37	09/19/15 08:05
40121410032	**BH-19 @ 5-7**	Solid	09/15/15 09:21	09/19/15 08:05
40121410033	**BH-19 @ 7-9**	Solid	09/15/15 09:27	09/19/15 08:05
40121410034	**BH-20 @ 5-7**	Solid	09/15/15 10:02	09/19/15 08:05
40121410035	**BH-21 @ 1-2**	Solid	09/15/15 10:21	09/19/15 08:05
40121410036	**BH-21 @ 6.5-7.5**	Solid	09/15/15 10:26	09/19/15 08:05
40121410037	**BH-22 @ 1-2**	Solid	09/15/15 10:47	09/19/15 08:05

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SAMPLE SUMMARY

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40121410038	BH-22 @ 6.5-7.5	Solid	09/15/15 10:51	09/19/15 08:05
40121410039	BH-23A @ 4-4.5	Solid	09/15/15 12:13	09/19/15 08:05
40121410040	BH-23C @ 6-7	Solid	09/15/15 12:23	09/19/15 08:05
40121410041	BH-24 @ 1.5-2.5	Solid	09/15/15 12:17	09/19/15 08:05
40121410042	BH-24 @ 6.5-7.5	Solid	09/15/15 12:30	09/19/15 08:05
40121410043	BH-25 @ 1-2	Solid	09/15/15 13:23	09/19/15 08:05
40121410044	BH-26 @ 1-2	Solid	09/15/15 15:08	09/19/15 08:05
40121410045	BH-26 @ 6-7	Solid	09/15/15 15:14	09/19/15 08:05
40121410046	BH-27 @ 1.5-2.5	Solid	09/15/15 16:44	09/19/15 08:05
40121410047	BH-27 @ 6.5-7.5	Solid	09/15/15 16:49	09/19/15 08:05
40121410048	BH-28 @ 1.5-2.5	Solid	09/15/15 17:16	09/19/15 08:05
40121410049	BH-28 @ 7-8	Solid	09/15/15 17:20	09/19/15 08:05
40121410050	BH-29 @ 1-2	Solid	09/16/15 08:12	09/19/15 08:05
40121410051	BH-29 @ 7-8	Solid	09/16/15 08:17	09/19/15 08:05
40121410052	BH-30 @ 0.5-1.5	Solid	09/16/15 09:07	09/19/15 08:05
40121410053	BH-31 @ 1-2	Solid	09/16/15 10:47	09/19/15 08:05
40121410054	BH-31 @ 6.5-7.5	Solid	09/16/15 10:54	09/19/15 08:05
40121410055	BH-32B @ 6-7	Solid	09/16/15 11:17	09/19/15 08:05
40121410056	BH-32B @ 0.5-1	Solid	09/16/15 11:13	09/19/15 08:05
40121410057	BH-33 @ 8-9	Solid	09/16/15 11:36	09/19/15 08:05
40121410058	BH-34 @ 1-2	Solid	09/16/15 12:13	09/19/15 08:05
40121410059	BH-34 @ 8-9	Solid	09/16/15 12:18	09/19/15 08:05
40121410060	BH-35B @ 1-2	Solid	09/16/15 12:51	09/19/15 08:05
40121410061	BH-35B @ 8-9	Solid	09/16/15 12:57	09/19/15 08:05
40121410062	BH-36B @ 0.5-1	Solid	09/16/15 14:06	09/19/15 08:05
40121410063	BH-37B @ 1-2	Solid	09/16/15 15:13	09/19/15 08:05
40121410064	BH-37B @ 5.5-6.5	Solid	09/16/15 15:24	09/19/15 08:05
40121410065	TRIP BLANK (MEOH)	Solid	09/15/15 09:00	09/19/15 08:05
40121410066	TRIP BLANK	Water	09/15/15 00:00	09/19/15 08:05
40121410067	BH-26 @ 27'	Water	09/15/15 16:30	09/19/15 08:05
40121410068	BH-25 @ 27'	Water	09/15/15 14:30	09/19/15 08:05
40121410069	BH-30 @ 25'	Water	09/16/15 09:43	09/19/15 08:05
40121410070	BH-22A	Water	09/15/15 06:00	09/19/15 08:05
40121410071	BH-17	Water	09/15/15 06:10	09/19/15 08:05
40121410072	BH-36 @ 39'	Water	09/16/15 14:35	09/19/15 08:05
40121410073	BH-35B	Water	09/16/15 13:30	09/19/15 08:05
40121410074	BH-37B	Water	09/16/15 15:50	09/19/15 08:05

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SAMPLE ANALYTE COUNT

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40121410001	**BH-1 @ 2-4**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410002	**BH-1 @ 7-8**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410003	**BH-2 @ 2-4**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410004	**BH-2 @ 7-8**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410005	**BH-3 @ 2-4**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410006	**BH-3 @ 7-8**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410007	**BH-4 @ 1-2**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410008	**BH-4 @ 6-7**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410009	**BH-5 @ 1-2**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410010	**BH-5 @ 6-7**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410011	**BH-6 @ 1-2**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410012	**BH-6 @ 6-7**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410013	**BH-7 @ 1.5-2.5**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410014	**BH-7 @ 6-7**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410015	**BH-8 @ 1-2**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410016	**BH-8 @ 5.5-6.5**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410017	**BH-9 @ 1.5-2.6**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410018	**BH-9 @ 5.5-6.7**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410019	**BH-10 @ 9-9.5**	WI MOD GRO	LCF	10

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SAMPLE ANALYTE COUNT

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		ASTM D2974-87	MAM	1
40121410020	**BH-11 @ 1-2**	WI MOD GRO	LCF	10
		ASTM D2974-87	MAM	1
40121410021	**BH-11 @ 8.5-9.0**	WI MOD GRO	PMS	10
		ASTM D2974-87	MAM	1
40121410022	**BH-12 @ 0.5-1.5**	WI MOD GRO	PMS	10
		ASTM D2974-87	MAM	1
40121410023	**BH-12 @ 8.5-9.5**	WI MOD GRO	PMS	10
		ASTM D2974-87	MAM	1
40121410024	**BH-13 @ 1-2**	WI MOD GRO	PMS	10
		ASTM D2974-87	MAM	1
40121410025	**BH-13 @ 8.5-9.5**	WI MOD GRO	PMS	10
		ASTM D2974-87	MAM	1
40121410026	**BH-15 @ 0-1.5**	WI MOD GRO	PMS	10
		ASTM D2974-87	MAM	1
40121410027	**BH-16 @ 5-6**	WI MOD GRO	PMS	10
		ASTM D2974-87	MAM	1
40121410028	**BH-17 @ 1.5-2.5**	WI MOD GRO	PMS	10
		ASTM D2974-87	MAM	1
40121410029	**BH-17 @ 7-8**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40121410030	**BH-18 @ 1-2**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40121410031	**BH-18 @ 5.5-6.5**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40121410032	**BH-19 @ 5-7**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40121410033	**BH-19 @ 7-9**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40121410034	**BH-20 @ 5-7**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40121410035	**BH-21 @ 1-2**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40121410036	**BH-21 @ 6.5-7.5**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40121410037	**BH-22 @ 1-2**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1

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SAMPLE ANALYTE COUNT

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40121410038	**BH-22 @ 6.5-7.5**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40121410039	**BH-23A @ 4-4.5**	WI MOD GRO	PMS	10
		EPA 8270 by SIM	ARO	20
		ASTM D2974-87	SKW	1
40121410040	**BH-23C @ 6-7**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40121410041	**BH-24 @ 1.5-2.5**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410042	**BH-24 @ 6.5-7.5**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410043	**BH-25 @ 1-2**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410044	**BH-26 @ 1-2**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410045	**BH-26 @ 6-7**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410046	**BH-27 @ 1.5-2.5**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410047	**BH-27 @ 6.5-7.5**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410048	**BH-28 @ 1.5-2.5**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410049	**BH-28 @ 7-8**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410050	**BH-29 @ 1-2**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410051	**BH-29 @ 7-8**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410052	**BH-30 @ 0.5-1.5**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410053	**BH-31 @ 1-2**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410054	**BH-31 @ 6.5-7.5**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410055	**BH-32B @ 6-7**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1

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SAMPLE ANALYTE COUNT

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40121410056	**BH-32B @ 0.5-1**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410057	**BH-33 @ 8-9**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410058	**BH-34 @ 1-2**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410059	**BH-34 @ 8-9**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410060	**BH-35B @ 1-2**	WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
40121410061	**BH-35B @ 8-9**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40121410062	**BH-36B @ 0.5-1**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40121410063	**BH-37B @ 1-2**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40121410064	**BH-37B @ 5.5-6.5**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
40121410065	**TRIP BLANK (MEOH)**	WI MOD GRO	PMS	10
40121410066	**TRIP BLANK**	WI MOD GRO	PMS	10
40121410067	**BH-26 @ 27'**	WI MOD GRO	PMS	10
40121410068	**BH-25 @ 27'**	WI MOD GRO	PMS	10
40121410069	**BH-30 @ 25'**	WI MOD GRO	PMS	10
40121410070	**BH-22A**	WI MOD GRO	PMS	10
40121410071	**BH-17**	WI MOD GRO	PMS	10
40121410072	**BH-36 @ 39'**	WI MOD GRO	PMS	10
40121410073	**BH-35B**	WI MOD GRO	PMS	10
		EPA 8270 by HVI	TPO	21
40121410074	**BH-37B**	WI MOD GRO	PMS	10

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-1 @ 2-4 **Lab ID: 40121410001** Collected: 09/14/15 10:40 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:05	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:05	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:05	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:05	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:05	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:05	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:05	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 18:05	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:05	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/22/15 07:00	09/22/15 18:05	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.0**	%	0.10	0.10	1		09/30/15 16:03		

Sample: BH-1 @ 7-8 **Lab ID: 40121410002** Collected: 09/14/15 10:45 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 10:44	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 10:44	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 10:44	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 10:44	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 10:44	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 10:44	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 10:44	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 10:44	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 10:44	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/22/15 07:00	09/22/15 10:44	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.2**	%	0.10	0.10	1		09/30/15 16:04		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-2 @ 2-4 **Lab ID: 40121410003** Collected: 09/14/15 10:58 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:13	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:13	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:13	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:13	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:13	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:13	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:13	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 17:13	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:13	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/22/15 07:00	09/22/15 17:13	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.4**	%	0.10	0.10	1		09/30/15 16:04		

Sample: BH-2 @ 7-8 **Lab ID: 40121410004** Collected: 09/14/15 11:02 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 16:48	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 16:48	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 16:48	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 16:48	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 16:48	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 16:48	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 16:48	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 16:48	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 16:48	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/22/15 07:00	09/22/15 16:48	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.9**	%	0.10	0.10	1		09/30/15 16:04		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-3 @ 2-4 **Lab ID: 40121410005** Collected: 09/14/15 11:15 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:39	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:39	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:39	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:39	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:39	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:39	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:39	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 17:39	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 17:39	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/22/15 07:00	09/22/15 17:39	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.8**	%	0.10	0.10	1		09/30/15 16:04		

Sample: BH-3 @ 7-8 **Lab ID: 40121410006** Collected: 09/14/15 11:19 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:09	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:09	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:09	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:09	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:09	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:09	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:09	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 11:09	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:09	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/22/15 07:00	09/22/15 11:09	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.3**	%	0.10	0.10	1		09/30/15 16:04		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-4 @ 1-2 **Lab ID: 40121410007** Collected: 09/14/15 11:36 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:35	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:35	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:35	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:35	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:35	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:35	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:35	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 11:35	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 11:35	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/22/15 07:00	09/22/15 11:35	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.7**	%	0.10	0.10	1		09/30/15 16:04		

Sample: BH-4 @ 6-7 **Lab ID: 40121410008** Collected: 09/14/15 11:44 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:01	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:01	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:01	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:01	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:01	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:01	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:01	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 12:01	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:01	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/22/15 07:00	09/22/15 12:01	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.2**	%	0.10	0.10	1		09/30/15 16:04		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-5 @ 1-2 **Lab ID: 40121410009** Collected: 09/14/15 11:53 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:27	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:27	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:27	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:27	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:27	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:27	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:27	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 12:27	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:27	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/22/15 07:00	09/22/15 12:27	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.2**	%	0.10	0.10	1		09/30/15 16:53		

Sample: BH-5 @ 6-7 **Lab ID: 40121410010** Collected: 09/14/15 11:57 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:52	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:52	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:52	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:52	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:52	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:52	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:52	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 12:52	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 12:52	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/22/15 07:00	09/22/15 12:52	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.0**	%	0.10	0.10	1		09/30/15 16:53		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-6 @ 1-2 **Lab ID: 40121410011** Collected: 09/14/15 12:11 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 13:18	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 13:18	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 13:18	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 13:18	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 13:18	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 13:18	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 13:18	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 13:18	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 13:18	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/22/15 07:00	09/22/15 13:18	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.7**	%	0.10	0.10	1		09/30/15 16:53		

Sample: BH-6 @ 6-7 **Lab ID: 40121410012** Collected: 09/14/15 12:17 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 14:39	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 14:39	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 14:39	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 14:39	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 14:39	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 14:39	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 14:39	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 14:39	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 14:39	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		1	09/22/15 07:00	09/22/15 14:39	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.0**	%	0.10	0.10	1		09/30/15 16:53		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-7 @ 1.5-2.5 **Lab ID: 40121410013** Collected: 09/14/15 12:46 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:05	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:05	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:05	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:05	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:05	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:05	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:05	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 15:05	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:05	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	09/22/15 07:00	09/22/15 15:05	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.6**	%	0.10	0.10	1		09/30/15 16:54		

Sample: BH-7 @ 6-7 **Lab ID: 40121410014** Collected: 09/14/15 12:50 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:31	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:31	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:31	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:31	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:31	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:31	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:31	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 15:31	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 15:31	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	09/22/15 07:00	09/22/15 15:31	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.7**	%	0.10	0.10	1		09/30/15 16:54		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-8 @ 1-2 **Lab ID: 40121410015** Collected: 09/14/15 13:10 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:56	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:56	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:56	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:56	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:56	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:56	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:56	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 18:56	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 18:56	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/22/15 07:00	09/22/15 18:56	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.7**	%	0.10	0.10	1		09/30/15 16:54		

Sample: BH-8 @ 5.5-6.5 **Lab ID: 40121410016** Collected: 09/14/15 13:14 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:22	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:22	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:22	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:22	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:22	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:22	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:22	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 19:22	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:22	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	09/22/15 07:00	09/22/15 19:22	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.3**	%	0.10	0.10	1		09/30/15 16:54		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-9 @ 1.5-2.6 **Lab ID: 40121410017** Collected: 09/14/15 13:32 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:48	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:48	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:48	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:48	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:48	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:48	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:48	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 19:48	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 19:48	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/22/15 07:00	09/22/15 19:48	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.7**	%	0.10	0.10	1		09/30/15 16:54		

Sample: BH-9 @ 5.5-6.7 **Lab ID: 40121410018** Collected: 09/14/15 13:37 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:13	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:13	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:13	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:13	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:13	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:13	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:13	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 20:13	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:13	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/22/15 07:00	09/22/15 20:13	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.4**	%	0.10	0.10	1		09/30/15 16:54		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-10 @ 9-9.5 **Lab ID: 40121410019** Collected: 09/14/15 14:05 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:39	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:39	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:39	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:39	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:39	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:39	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:39	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 20:39	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 20:39	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/22/15 07:00	09/22/15 20:39	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.7**	%	0.10	0.10	1		09/30/15 16:54		

Sample: BH-11 @ 1-2 **Lab ID: 40121410020** Collected: 09/14/15 14:45 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 21:05	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 21:05	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 21:05	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 21:05	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 21:05	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 21:05	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 21:05	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/22/15 07:00	09/22/15 21:05	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/22/15 07:00	09/22/15 21:05	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	09/22/15 07:00	09/22/15 21:05	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.7**	%	0.10	0.10	1		09/30/15 16:54		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-11 @ 8.5-9.0 **Lab ID: 40121410021** Collected: 09/14/15 14:53 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 10:49	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 10:49	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 10:49	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 10:49	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 10:49	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 10:49	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 10:49	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/22/15 07:02	09/22/15 10:49	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 10:49	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		1	09/22/15 07:02	09/22/15 10:49	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.5**	%	0.10	0.10	1		09/30/15 16:54		

Sample: BH-12 @ 0.5-1.5 **Lab ID: 40121410022** Collected: 09/14/15 15:05 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**45.1J**	ug/kg	65.1	27.1	1	09/22/15 07:02	09/22/15 11:14	71-43-2	
Ethylbenzene	**30.9J**	ug/kg	65.1	27.1	1	09/22/15 07:02	09/22/15 11:14	100-41-4	
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 11:14	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 11:14	91-20-3	W
Toluene	**132**	ug/kg	65.1	27.1	1	09/22/15 07:02	09/22/15 11:14	108-88-3	
1,2,4-Trimethylbenzene	**35.9J**	ug/kg	65.1	27.1	1	09/22/15 07:02	09/22/15 11:14	95-63-6	
1,3,5-Trimethylbenzene	**33.9J**	ug/kg	65.1	27.1	1	09/22/15 07:02	09/22/15 11:14	108-67-8	
m&p-Xylene	**161**	ug/kg	130	54.3	1	09/22/15 07:02	09/22/15 11:14	179601-23-1	
o-Xylene	**55.3J**	ug/kg	65.1	27.1	1	09/22/15 07:02	09/22/15 11:14	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		1	09/22/15 07:02	09/22/15 11:14	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.8**	%	0.10	0.10	1		09/30/15 16:54		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-12 @ 8.5-9.5 **Lab ID: 40121410023** Collected: 09/14/15 15:10 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<125**	ug/kg	300	125	5	09/22/15 07:02	09/22/15 17:40	71-43-2	W
Ethylbenzene	**1380**	ug/kg	312	130	5	09/22/15 07:02	09/22/15 17:40	100-41-4	
Methyl-tert-butyl ether	**<125**	ug/kg	300	125	5	09/22/15 07:02	09/22/15 17:40	1634-04-4	W
Naphthalene	**6760**	ug/kg	312	130	5	09/22/15 07:02	09/22/15 17:40	91-20-3	
Toluene	**130J**	ug/kg	312	130	5	09/22/15 07:02	09/22/15 17:40	108-88-3	
1,2,4-Trimethylbenzene	**26100**	ug/kg	312	130	5	09/22/15 07:02	09/22/15 17:40	95-63-6	
1,3,5-Trimethylbenzene	**8300**	ug/kg	312	130	5	09/22/15 07:02	09/22/15 17:40	108-67-8	
m&p-Xylene	**6590**	ug/kg	625	260	5	09/22/15 07:02	09/22/15 17:40	179601-23-1	
o-Xylene	**3080**	ug/kg	312	130	5	09/22/15 07:02	09/22/15 17:40	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		5	09/22/15 07:02	09/22/15 17:40	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.0**	%	0.10	0.10	1		09/30/15 16:55		

Sample: BH-13 @ 1-2 **Lab ID: 40121410024** Collected: 09/14/15 15:38 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 11:40	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 11:40	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 11:40	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 11:40	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 11:40	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 11:40	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 11:40	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/22/15 07:02	09/22/15 11:40	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 11:40	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/22/15 07:02	09/22/15 11:40	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.6**	%	0.10	0.10	1		09/30/15 16:55		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-13 @ 8.5-9.5 **Lab ID: 40121410025** Collected: 09/14/15 15:44 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:06	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:06	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:06	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:06	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:06	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:06	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:06	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/22/15 07:02	09/22/15 12:06	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:06	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1	09/22/15 07:02	09/22/15 12:06	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.8**	%	0.10	0.10	1		09/30/15 16:55		

Sample: BH-15 @ 0-1.5 **Lab ID: 40121410026** Collected: 09/14/15 16:03 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:32	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:32	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:32	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:32	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:32	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:32	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:32	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/22/15 07:02	09/22/15 12:32	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:32	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	09/22/15 07:02	09/22/15 12:32	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.1**	%	0.10	0.10	1		09/30/15 16:55		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-16 @ 5-6 **Lab ID: 40121410027** Collected: 09/14/15 16:27 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:57	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:57	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:57	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:57	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:57	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:57	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:57	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/22/15 07:02	09/22/15 12:57	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 12:57	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	09/22/15 07:02	09/22/15 12:57	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.9**	%	0.10	0.10	1		09/30/15 16:55		

Sample: BH-17 @ 1.5-2.5 **Lab ID: 40121410028** Collected: 09/15/15 08:00 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:23	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:23	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:23	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:23	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:23	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:23	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:23	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/22/15 07:02	09/22/15 13:23	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:23	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/22/15 07:02	09/22/15 13:23	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.7**	%	0.10	0.10	1		09/30/15 16:55		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-17 @ 7-8 **Lab ID: 40121410029** Collected: 09/15/15 08:08 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:49	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:49	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:49	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:49	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:49	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:49	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:49	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/22/15 07:02	09/22/15 13:49	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 13:49	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/22/15 07:02	09/22/15 13:49	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.3**	%	0.10	0.10	1		10/01/15 14:43		

Sample: BH-18 @ 1-2 **Lab ID: 40121410030** Collected: 09/15/15 08:33 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:14	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:14	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:14	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:14	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:14	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:14	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:14	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/22/15 07:02	09/22/15 14:14	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:14	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/22/15 07:02	09/22/15 14:14	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.5**	%	0.10	0.10	1		10/01/15 14:43		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-18 @ 5.5-6.5 **Lab ID: 40121410031** Collected: 09/15/15 08:37 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:40	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:40	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:40	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:40	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:40	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:40	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:40	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/22/15 07:02	09/22/15 14:40	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 14:40	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/22/15 07:02	09/22/15 14:40	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.6**	%	0.10	0.10	1		10/01/15 14:43		

Sample: BH-19 @ 5-7 **Lab ID: 40121410032** Collected: 09/15/15 09:21 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:48	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:48	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:48	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:48	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:48	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:48	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:48	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/22/15 07:02	09/22/15 19:48	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:48	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	09/22/15 07:02	09/22/15 19:48	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.2**	%	0.10	0.10	1		10/01/15 14:43		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-19 @ 7-9 **Lab ID: 40121410033** Collected: 09/15/15 09:27 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:14	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:14	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:14	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:14	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:14	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:14	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:14	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/22/15 07:02	09/22/15 20:14	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:14	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1	09/22/15 07:02	09/22/15 20:14	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.4**	%	0.10	0.10	1		10/01/15 14:43		

Sample: BH-20 @ 5-7 **Lab ID: 40121410034** Collected: 09/15/15 10:02 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:40	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:40	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:40	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:40	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:40	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:40	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:40	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/22/15 07:02	09/22/15 20:40	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 20:40	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/22/15 07:02	09/22/15 20:40	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.3**	%	0.10	0.10	1		10/01/15 14:43		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-21 @ 1-2 **Lab ID: 40121410035** Collected: 09/15/15 10:21 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 21:05	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 21:05	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 21:05	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 21:05	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 21:05	108-88-3	W
1,2,4-Trimethylbenzene	**49.8J**	ug/kg	62.4	26.0	1	09/22/15 07:02	09/22/15 21:05	95-63-6	
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 21:05	108-67-8	W
m&p-Xylene	**80.0J**	ug/kg	125	52.0	1	09/22/15 07:02	09/22/15 21:05	179601-23-1	
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 21:05	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	09/22/15 07:02	09/22/15 21:05	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.8**	%	0.10	0.10	1		10/01/15 14:43		

Sample: BH-21 @ 6.5-7.5 **Lab ID: 40121410036** Collected: 09/15/15 10:26 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 16:23	71-43-2	W
Ethylbenzene	**665**	ug/kg	63.1	26.3	1	09/22/15 07:02	09/22/15 16:23	100-41-4	
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 16:23	1634-04-4	W
Naphthalene	**527**	ug/kg	63.1	26.3	1	09/22/15 07:02	09/22/15 16:23	91-20-3	
Toluene	**165**	ug/kg	63.1	26.3	1	09/22/15 07:02	09/22/15 16:23	108-88-3	
1,2,4-Trimethylbenzene	**2810**	ug/kg	63.1	26.3	1	09/22/15 07:02	09/22/15 16:23	95-63-6	
1,3,5-Trimethylbenzene	**919**	ug/kg	63.1	26.3	1	09/22/15 07:02	09/22/15 16:23	108-67-8	
m&p-Xylene	**2390**	ug/kg	126	52.6	1	09/22/15 07:02	09/22/15 16:23	179601-23-1	
o-Xylene	**893**	ug/kg	63.1	26.3	1	09/22/15 07:02	09/22/15 16:23	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	110	%	80-120		1	09/22/15 07:02	09/22/15 16:23	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.9**	%	0.10	0.10	1		10/01/15 14:43		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-22 @ 1-2 **Lab ID: 40121410037** Collected: 09/15/15 10:47 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**594**	ug/kg	64.6	26.9	1	09/22/15 07:02	09/22/15 17:14	71-43-2	
Ethylbenzene	**3290**	ug/kg	64.6	26.9	1	09/22/15 07:02	09/22/15 17:14	100-41-4	
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 17:14	1634-04-4	W
Naphthalene	**538**	ug/kg	64.6	26.9	1	09/22/15 07:02	09/22/15 17:14	91-20-3	
Toluene	**3750**	ug/kg	64.6	26.9	1	09/22/15 07:02	09/22/15 17:14	108-88-3	
1,2,4-Trimethylbenzene	**5030**	ug/kg	64.6	26.9	1	09/22/15 07:02	09/22/15 17:14	95-63-6	
1,3,5-Trimethylbenzene	**1340**	ug/kg	64.6	26.9	1	09/22/15 07:02	09/22/15 17:14	108-67-8	
m&p-Xylene	**13700**	ug/kg	129	53.8	1	09/22/15 07:02	09/22/15 17:14	179601-23-1	
o-Xylene	**5020**	ug/kg	64.6	26.9	1	09/22/15 07:02	09/22/15 17:14	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	106	%	80-120		1	09/22/15 07:02	09/22/15 17:14	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.1**	%	0.10	0.10	1		10/01/15 14:43		

Sample: BH-22 @ 6.5-7.5 **Lab ID: 40121410038** Collected: 09/15/15 10:51 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**3720J**	ug/kg	5070	2110	80	09/22/15 07:02	09/22/15 16:49	71-43-2	
Ethylbenzene	**87000**	ug/kg	5070	2110	80	09/22/15 07:02	09/22/15 16:49	100-41-4	
Methyl-tert-butyl ether	**<2000**	ug/kg	4800	2000	80	09/22/15 07:02	09/22/15 16:49	1634-04-4	W
Naphthalene	**35300**	ug/kg	5070	2110	80	09/22/15 07:02	09/22/15 16:49	91-20-3	
Toluene	**114000**	ug/kg	5070	2110	80	09/22/15 07:02	09/22/15 16:49	108-88-3	
1,2,4-Trimethylbenzene	**206000**	ug/kg	5070	2110	80	09/22/15 07:02	09/22/15 16:49	95-63-6	
1,3,5-Trimethylbenzene	**67600**	ug/kg	5070	2110	80	09/22/15 07:02	09/22/15 16:49	108-67-8	
m&p-Xylene	**317000**	ug/kg	10100	4230	80	09/22/15 07:02	09/22/15 16:49	179601-23-1	
o-Xylene	**126000**	ug/kg	5070	2110	80	09/22/15 07:02	09/22/15 16:49	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	109	%	80-120		80	09/22/15 07:02	09/22/15 16:49	98-08-8	D3
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.3**	%	0.10	0.10	1		10/01/15 14:43		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-23A @ 4-4.5 **Lab ID: 40121410039** Collected: 09/15/15 12:13 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 15:57	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 15:57	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 15:57	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 15:57	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 15:57	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 15:57	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 15:57	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/22/15 07:02	09/22/15 15:57	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 15:57	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	09/22/15 07:02	09/22/15 15:57	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<8.7**	ug/kg	17.5	8.7	1	09/25/15 09:04	09/25/15 15:09	83-32-9	
Acenaphthylene	**<7.8**	ug/kg	17.5	7.8	1	09/25/15 09:04	09/25/15 15:09	208-96-8	
Anthracene	**<9.1**	ug/kg	17.5	9.1	1	09/25/15 09:04	09/25/15 15:09	120-12-7	
Benzo(a)anthracene	**<6.1**	ug/kg	17.5	6.1	1	09/25/15 09:04	09/25/15 15:09	56-55-3	
Benzo(a)pyrene	**<6.2**	ug/kg	17.5	6.2	1	09/25/15 09:04	09/25/15 15:09	50-32-8	
Benzo(b)fluoranthene	**<8.7**	ug/kg	17.5	8.7	1	09/25/15 09:04	09/25/15 15:09	205-99-2	
Benzo(g,h,i)perylene	**<6.7**	ug/kg	17.5	6.7	1	09/25/15 09:04	09/25/15 15:09	191-24-2	
Benzo(k)fluoranthene	**<9.7**	ug/kg	17.5	9.7	1	09/25/15 09:04	09/25/15 15:09	207-08-9	
Chrysene	**<8.1**	ug/kg	17.5	8.1	1	09/25/15 09:04	09/25/15 15:09	218-01-9	
Dibenz(a,h)anthracene	**<6.4**	ug/kg	17.5	6.4	1	09/25/15 09:04	09/25/15 15:09	53-70-3	
Fluoranthene	**<8.7**	ug/kg	17.5	8.7	1	09/25/15 09:04	09/25/15 15:09	206-44-0	
Fluorene	**<8.7**	ug/kg	17.5	8.7	1	09/25/15 09:04	09/25/15 15:09	86-73-7	
Indeno(1,2,3-cd)pyrene	**<6.6**	ug/kg	17.5	6.6	1	09/25/15 09:04	09/25/15 15:09	193-39-5	
1-Methylnaphthalene	**<8.7**	ug/kg	17.5	8.7	1	09/25/15 09:04	09/25/15 15:09	90-12-0	
2-Methylnaphthalene	**<8.7**	ug/kg	17.5	8.7	1	09/25/15 09:04	09/25/15 15:09	91-57-6	
Naphthalene	**<8.7**	ug/kg	17.5	8.7	1	09/25/15 09:04	09/25/15 15:09	91-20-3	
Phenanthrene	**<8.7**	ug/kg	17.5	8.7	1	09/25/15 09:04	09/25/15 15:09	85-01-8	
Pyrene	**<8.7**	ug/kg	17.5	8.7	1	09/25/15 09:04	09/25/15 15:09	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	39-130		1	09/25/15 09:04	09/25/15 15:09	321-60-8	
Terphenyl-d14 (S)	57	%	37-130		1	09/25/15 09:04	09/25/15 15:09	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.6**	%	0.10	0.10	1		10/01/15 14:43		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-23C @ 6-7 **Lab ID: 40121410040** Collected: 09/15/15 12:23 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:23	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:23	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:23	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:23	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:23	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:23	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:23	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/22/15 07:02	09/22/15 19:23	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/22/15 07:02	09/22/15 19:23	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	09/22/15 07:02	09/22/15 19:23	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.3**	%	0.10	0.10	1		10/01/15 14:43		

Sample: BH-24 @ 1.5-2.5 **Lab ID: 40121410041** Collected: 09/15/15 12:17 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:15	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:15	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:15	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:15	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:15	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:15	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:15	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 12:15	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:15	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/23/15 06:45	09/23/15 12:15	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.1**	%	0.10	0.10	1		10/01/15 14:43		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-24 @ 6.5-7.5 **Lab ID: 40121410042** Collected: 09/15/15 12:30 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:41	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:41	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:41	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:41	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:41	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:41	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:41	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 12:41	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 12:41	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	09/23/15 06:45	09/23/15 12:41	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.4**	%	0.10	0.10	1		10/01/15 14:43		

Sample: BH-25 @ 1-2 **Lab ID: 40121410043** Collected: 09/15/15 13:23 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:06	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:06	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:06	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:06	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:06	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:06	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:06	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 13:06	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:06	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/23/15 06:45	09/23/15 13:06	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.7**	%	0.10	0.10	1		10/01/15 14:43		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-26 @ 1-2 **Lab ID: 40121410044** Collected: 09/15/15 15:08 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:32	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:32	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:32	1634-04-4	W
Naphthalene	**27.3J**	ug/kg	51.5	25.8	1	09/23/15 06:45	09/23/15 13:32	91-20-3	
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:32	108-88-3	W
1,2,4-Trimethylbenzene	**68.3**	ug/kg	51.5	25.8	1	09/23/15 06:45	09/23/15 13:32	95-63-6	
1,3,5-Trimethylbenzene	**35.8J**	ug/kg	51.5	25.8	1	09/23/15 06:45	09/23/15 13:32	108-67-8	
m&p-Xylene	**56.6J**	ug/kg	103	51.5	1	09/23/15 06:45	09/23/15 13:32	179601-23-1	
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:32	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/23/15 06:45	09/23/15 13:32	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.0**	%	0.10	0.10	1		10/01/15 14:44		

Sample: BH-26 @ 6-7 **Lab ID: 40121410045** Collected: 09/15/15 15:14 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:58	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:58	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:58	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:58	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:58	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:58	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:58	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 13:58	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 13:58	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/23/15 06:45	09/23/15 13:58	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.5**	%	0.10	0.10	1		10/01/15 14:44		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-27 @ 1.5-2.5 **Lab ID: 40121410046** Collected: 09/15/15 16:44 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:24	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:24	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:24	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:24	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:24	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:24	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:24	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 14:24	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:24	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/23/15 06:45	09/23/15 14:24	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.0**	%	0.10	0.10	1		10/01/15 14:44		

Sample: BH-27 @ 6.5-7.5 **Lab ID: 40121410047** Collected: 09/15/15 16:49 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:49	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:49	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:49	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:49	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:49	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:49	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:49	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 14:49	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 14:49	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%	80-120		1	09/23/15 06:45	09/23/15 14:49	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**37.6**	%	0.10	0.10	1		10/01/15 14:44		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-28 @ 1.5-2.5 **Lab ID: 40121410048** Collected: 09/15/15 17:16 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:15	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:15	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:15	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:15	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:15	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:15	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:15	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 15:15	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:15	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/23/15 06:45	09/23/15 15:15	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.4**	%	0.10	0.10	1		10/01/15 14:44		

Sample: BH-28 @ 7-8 **Lab ID: 40121410049** Collected: 09/15/15 17:20 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:41	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:41	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:41	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:41	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:41	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:41	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:41	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 15:41	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 15:41	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/23/15 06:45	09/23/15 15:41	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.9**	%	0.10	0.10	1		10/01/15 15:13		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-29 @ 1-2 **Lab ID: 40121410050** Collected: 09/16/15 08:12 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 16:06	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 16:06	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 16:06	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 16:06	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 16:06	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 16:06	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 16:06	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 16:06	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 16:06	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	09/23/15 06:45	09/23/15 16:06	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.5**	%	0.10	0.10	1		09/21/15 14:41		

Sample: BH-29 @ 7-8 **Lab ID: 40121410051** Collected: 09/16/15 08:17 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 19:57	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 19:57	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 19:57	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 19:57	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 19:57	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 19:57	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 19:57	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 19:57	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 19:57	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/23/15 06:45	09/23/15 19:57	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.8**	%	0.10	0.10	1		09/21/15 14:41		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-30 @ 0.5-1.5 **Lab ID: 40121410052** Collected: 09/16/15 09:07 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:23	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:23	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:23	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:23	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:23	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:23	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:23	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 20:23	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:23	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/23/15 06:45	09/23/15 20:23	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.9**	%	0.10	0.10	1		09/21/15 14:41		

Sample: BH-31 @ 1-2 **Lab ID: 40121410053** Collected: 09/16/15 10:47 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:49	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:49	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:49	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:49	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:49	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:49	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:49	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 20:49	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 20:49	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/23/15 06:45	09/23/15 20:49	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.7**	%	0.10	0.10	1		09/21/15 14:41		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-31 @ 6.5-7.5 **Lab ID: 40121410054** Collected: 09/16/15 10:54 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:14	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:14	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:14	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:14	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:14	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:14	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:14	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 21:14	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:14	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/23/15 06:45	09/23/15 21:14	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.0**	%	0.10	0.10	1		09/21/15 14:41		

Sample: BH-32B @ 6-7 **Lab ID: 40121410055** Collected: 09/16/15 11:17 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<1000**	ug/kg	2000	1000	40	09/23/15 06:45	09/23/15 18:15	71-43-2	W
Ethylbenzene	**38500**	ug/kg	2160	1080	40	09/23/15 06:45	09/23/15 18:15	100-41-4	
Methyl-tert-butyl ether	**<1000**	ug/kg	2000	1000	40	09/23/15 06:45	09/23/15 18:15	1634-04-4	W
Naphthalene	**31900**	ug/kg	2160	1080	40	09/23/15 06:45	09/23/15 18:15	91-20-3	
Toluene	**24900**	ug/kg	2160	1080	40	09/23/15 06:45	09/23/15 18:15	108-88-3	
1,2,4-Trimethylbenzene	**147000**	ug/kg	2160	1080	40	09/23/15 06:45	09/23/15 18:15	95-63-6	
1,3,5-Trimethylbenzene	**44200**	ug/kg	2160	1080	40	09/23/15 06:45	09/23/15 18:15	108-67-8	
m&p-Xylene	**158000**	ug/kg	4310	2160	40	09/23/15 06:45	09/23/15 18:15	179601-23-1	
o-Xylene	**68100**	ug/kg	2160	1080	40	09/23/15 06:45	09/23/15 18:15	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		40	09/23/15 06:45	09/23/15 18:15	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.2**	%	0.10	0.10	1		09/21/15 14:41		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-32B @ 0.5-1 **Lab ID: 40121410056** Collected: 09/16/15 11:13 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**56.8**	ug/kg	52.9	26.5	1	09/23/15 06:45	09/23/15 17:49	71-43-2	
Ethylbenzene	**877**	ug/kg	52.9	26.5	1	09/23/15 06:45	09/23/15 17:49	100-41-4	
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 17:49	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 17:49	91-20-3	W
Toluene	**142**	ug/kg	52.9	26.5	1	09/23/15 06:45	09/23/15 17:49	108-88-3	
1,2,4-Trimethylbenzene	**1160**	ug/kg	52.9	26.5	1	09/23/15 06:45	09/23/15 17:49	95-63-6	
1,3,5-Trimethylbenzene	**652**	ug/kg	52.9	26.5	1	09/23/15 06:45	09/23/15 17:49	108-67-8	
m&p-Xylene	**2820**	ug/kg	106	52.9	1	09/23/15 06:45	09/23/15 17:49	179601-23-1	
o-Xylene	**931**	ug/kg	52.9	26.5	1	09/23/15 06:45	09/23/15 17:49	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	106	%	80-120		1	09/23/15 06:45	09/23/15 17:49	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.6**	%	0.10	0.10	1		09/21/15 14:41		

Sample: BH-33 @ 8-9 **Lab ID: 40121410057** Collected: 09/16/15 11:36 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 17:24	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 17:24	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 17:24	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 17:24	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 17:24	108-88-3	W
1,2,4-Trimethylbenzene	**29.4J**	ug/kg	55.0	27.5	1	09/23/15 06:45	09/23/15 17:24	95-63-6	
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 17:24	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 17:24	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 17:24	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/23/15 06:45	09/23/15 17:24	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.1**	%	0.10	0.10	1		09/21/15 14:41		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-34 @ 1-2 **Lab ID: 40121410058** Collected: 09/16/15 12:13 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:40	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:40	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:40	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:40	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:40	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:40	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:40	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 21:40	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 21:40	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/23/15 06:45	09/23/15 21:40	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**2.8**	%	0.10	0.10	1		09/21/15 14:41		

Sample: BH-34 @ 8-9 **Lab ID: 40121410059** Collected: 09/16/15 12:18 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:06	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:06	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:06	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:06	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:06	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:06	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:06	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 22:06	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:06	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/23/15 06:45	09/23/15 22:06	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.4**	%	0.10	0.10	1		09/21/15 14:41		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-35B @ 1-2 **Lab ID: 40121410060** Collected: 09/16/15 12:51 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:31	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:31	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:31	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:31	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:31	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:31	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:31	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	09/23/15 06:45	09/23/15 22:31	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	09/23/15 06:45	09/23/15 22:31	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	09/23/15 06:45	09/23/15 22:31	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.1**	%	0.10	0.10	1		09/21/15 14:42		

Sample: BH-35B @ 8-9 **Lab ID: 40121410061** Collected: 09/16/15 12:57 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 18:08	71-43-2	W
Ethylbenzene	**45.4J**	ug/kg	73.1	30.5	1	09/21/15 07:46	09/21/15 18:08	100-41-4	
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 18:08	1634-04-4	W
Naphthalene	**177**	ug/kg	73.1	30.5	1	09/21/15 07:46	09/21/15 18:08	91-20-3	
Toluene	**49.3J**	ug/kg	73.1	30.5	1	09/21/15 07:46	09/21/15 18:08	108-88-3	
1,2,4-Trimethylbenzene	**182**	ug/kg	73.1	30.5	1	09/21/15 07:46	09/21/15 18:08	95-63-6	
1,3,5-Trimethylbenzene	**128**	ug/kg	73.1	30.5	1	09/21/15 07:46	09/21/15 18:08	108-67-8	
m&p-Xylene	**299**	ug/kg	146	60.9	1	09/21/15 07:46	09/21/15 18:08	179601-23-1	
o-Xylene	**114**	ug/kg	73.1	30.5	1	09/21/15 07:46	09/21/15 18:08	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	09/21/15 07:46	09/21/15 18:08	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.9**	%	0.10	0.10	1		09/21/15 14:42		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-36B @ 0.5-1 **Lab ID: 40121410062** Collected: 09/16/15 14:06 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 16:51	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 16:51	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 16:51	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 16:51	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 16:51	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 16:51	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 16:51	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/21/15 07:46	09/21/15 16:51	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 16:51	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	09/21/15 07:46	09/21/15 16:51	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.9**	%	0.10	0.10	1		09/21/15 14:42		

Sample: BH-37B @ 1-2 **Lab ID: 40121410063** Collected: 09/16/15 15:13 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 13:51	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 13:51	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 13:51	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 13:51	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 13:51	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 13:51	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 13:51	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/21/15 07:46	09/21/15 13:51	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 13:51	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1	09/21/15 07:46	09/21/15 13:51	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.2**	%	0.10	0.10	1		09/21/15 14:42		

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-37B @ 5.5-6.5 **Lab ID: 40121410064** Collected: 09/16/15 15:24 Received: 09/19/15 08:05 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:17	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:17	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:17	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:17	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:17	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:17	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:17	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/21/15 07:46	09/21/15 14:17	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:17	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1	09/21/15 07:46	09/21/15 14:17	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.4**	%	0.10	0.10	1		09/21/15 14:42		

Sample: TRIP BLANK (MEOH) **Lab ID: 40121410065** Collected: 09/15/15 09:00 Received: 09/19/15 08:05 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:42	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:42	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:42	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:42	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:42	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:42	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:42	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/21/15 07:46	09/21/15 14:42	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/21/15 07:46	09/21/15 14:42	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	09/21/15 07:46	09/21/15 14:42	98-08-8	

Sample: TRIP BLANK **Lab ID: 40121410066** Collected: 09/15/15 00:00 Received: 09/19/15 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		09/23/15 17:43	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		09/23/15 17:43	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		09/23/15 17:43	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		09/23/15 17:43	91-20-3	

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: TRIP BLANK **Lab ID: 40121410066** Collected: 09/15/15 00:00 Received: 09/19/15 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Toluene	**<0.39**	ug/L	1.0	0.39	1		09/23/15 17:43	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		09/23/15 17:43	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		09/23/15 17:43	108-67-8	
m&p-Xylene	**<0.80**	ug/L	2.0	0.80	1		09/23/15 17:43	179601-23-1	
o-Xylene	**<0.45**	ug/L	1.0	0.45	1		09/23/15 17:43	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		09/23/15 17:43	98-08-8	

Sample: BH-26 @ 27' **Lab ID: 40121410067** Collected: 09/15/15 16:30 Received: 09/19/15 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**133**	ug/L	5.0	2.0	5		09/23/15 15:36	71-43-2	
Ethylbenzene	**301**	ug/L	5.0	2.0	5		09/23/15 15:36	100-41-4	
Methyl-tert-butyl ether	**2.9J**	ug/L	5.0	2.4	5		09/23/15 15:36	1634-04-4	
Naphthalene	**76.4**	ug/L	5.0	2.1	5		09/23/15 15:36	91-20-3	
Toluene	**451**	ug/L	5.0	1.9	5		09/23/15 15:36	108-88-3	
1,2,4-Trimethylbenzene	**372**	ug/L	5.0	2.1	5		09/23/15 15:36	95-63-6	
1,3,5-Trimethylbenzene	**101**	ug/L	5.0	2.1	5		09/23/15 15:36	108-67-8	
m&p-Xylene	**837**	ug/L	10.0	4.0	5		09/23/15 15:36	179601-23-1	
o-Xylene	**319**	ug/L	5.0	2.2	5		09/23/15 15:36	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		5		09/23/15 15:36	98-08-8	

Sample: BH-25 @ 27' **Lab ID: 40121410068** Collected: 09/15/15 14:30 Received: 09/19/15 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		09/23/15 19:51	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		09/23/15 19:51	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		09/23/15 19:51	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		09/23/15 19:51	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		09/23/15 19:51	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		09/23/15 19:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		09/23/15 19:51	108-67-8	
m&p-Xylene	**<0.80**	ug/L	2.0	0.80	1		09/23/15 19:51	179601-23-1	
o-Xylene	**<0.45**	ug/L	1.0	0.45	1		09/23/15 19:51	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		09/23/15 19:51	98-08-8	

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-30 @ 25' **Lab ID: 40121410069** Collected: 09/16/15 09:43 Received: 09/19/15 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		09/23/15 20:16	71-43-2	
Ethylbenzene	**18.4**	ug/L	1.0	0.39	1		09/23/15 20:16	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		09/23/15 20:16	1634-04-4	
Naphthalene	**5.6**	ug/L	1.0	0.42	1		09/23/15 20:16	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		09/23/15 20:16	108-88-3	
1,2,4-Trimethylbenzene	**17.2**	ug/L	1.0	0.42	1		09/23/15 20:16	95-63-6	
1,3,5-Trimethylbenzene	**4.7**	ug/L	1.0	0.42	1		09/23/15 20:16	108-67-8	
m&p-Xylene	**11.4**	ug/L	2.0	0.80	1		09/23/15 20:16	179601-23-1	
o-Xylene	**2.6**	ug/L	1.0	0.45	1		09/23/15 20:16	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		09/23/15 20:16	98-08-8	

Sample: BH-22A **Lab ID: 40121410070** Collected: 09/15/15 06:00 Received: 09/19/15 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**10500**	ug/L	250	99.0	250		09/23/15 16:01	71-43-2	
Ethylbenzene	**4080**	ug/L	250	98.2	250		09/23/15 16:01	100-41-4	
Methyl-tert-butyl ether	**<121**	ug/L	250	121	250		09/23/15 16:01	1634-04-4	
Naphthalene	**927**	ug/L	250	106	250		09/23/15 16:01	91-20-3	
Toluene	**47500**	ug/L	250	97.0	250		09/23/15 16:01	108-88-3	
1,2,4-Trimethylbenzene	**3260**	ug/L	250	104	250		09/23/15 16:01	95-63-6	
1,3,5-Trimethylbenzene	**903**	ug/L	250	104	250		09/23/15 16:01	108-67-8	
m&p-Xylene	**14700**	ug/L	500	200	250		09/23/15 16:01	179601-23-1	
o-Xylene	**6660**	ug/L	250	112	250		09/23/15 16:01	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		250		09/23/15 16:01	98-08-8	

Sample: BH-17 **Lab ID: 40121410071** Collected: 09/15/15 06:10 Received: 09/19/15 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**115**	ug/L	50.0	19.8	50		09/23/15 16:27	71-43-2	
Ethylbenzene	**2150**	ug/L	50.0	19.6	50		09/23/15 16:27	100-41-4	
Methyl-tert-butyl ether	**<24.2**	ug/L	50.0	24.2	50		09/23/15 16:27	1634-04-4	
Naphthalene	**532**	ug/L	50.0	21.2	50		09/23/15 16:27	91-20-3	
Toluene	**9650**	ug/L	50.0	19.4	50		09/23/15 16:27	108-88-3	
1,2,4-Trimethylbenzene	**2220**	ug/L	50.0	20.9	50		09/23/15 16:27	95-63-6	
1,3,5-Trimethylbenzene	**680**	ug/L	50.0	20.8	50		09/23/15 16:27	108-67-8	
m&p-Xylene	**6660**	ug/L	100	40.0	50		09/23/15 16:27	179601-23-1	
o-Xylene	**2860**	ug/L	50.0	22.4	50		09/23/15 16:27	95-47-6	

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-17 **Lab ID: 40121410071** Collected: 09/15/15 06:10 Received: 09/19/15 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		50		09/23/15 16:27	98-08-8	

Sample: BH-36 @ 39' **Lab ID: 40121410072** Collected: 09/16/15 14:35 Received: 09/19/15 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1.6**	ug/L	1.0	0.40	1		09/23/15 16:52	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		09/23/15 16:52	100-41-4	
Methyl-tert-butyl ether	**2.0**	ug/L	1.0	0.48	1		09/23/15 16:52	1634-04-4	
Naphthalene	**1.5**	ug/L	1.0	0.42	1		09/23/15 16:52	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		09/23/15 16:52	108-88-3	
1,2,4-Trimethylbenzene	**2.9**	ug/L	1.0	0.42	1		09/23/15 16:52	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		09/23/15 16:52	108-67-8	
m&p-Xylene	**4.2**	ug/L	2.0	0.80	1		09/23/15 16:52	179601-23-1	
o-Xylene	**<0.45**	ug/L	1.0	0.45	1		09/23/15 16:52	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		09/23/15 16:52	98-08-8	

Sample: BH-35B **Lab ID: 40121410073** Collected: 09/16/15 13:30 Received: 09/19/15 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		09/23/15 17:18	71-43-2	
Ethylbenzene	**6.1**	ug/L	1.0	0.39	1		09/23/15 17:18	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		09/23/15 17:18	1634-04-4	
Naphthalene	**6.5**	ug/L	1.0	0.42	1		09/23/15 17:18	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		09/23/15 17:18	108-88-3	
1,2,4-Trimethylbenzene	**77.5**	ug/L	1.0	0.42	1		09/23/15 17:18	95-63-6	
1,3,5-Trimethylbenzene	**42.7**	ug/L	1.0	0.42	1		09/23/15 17:18	108-67-8	
m&p-Xylene	**16.4**	ug/L	2.0	0.80	1		09/23/15 17:18	179601-23-1	
o-Xylene	**<0.45**	ug/L	1.0	0.45	1		09/23/15 17:18	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	113	%	80-120		1		09/23/15 17:18	98-08-8	
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Acenaphthene	**0.045J**	ug/L	0.090	0.0089	2	09/22/15 12:38	09/24/15 12:56	83-32-9	B
Acenaphthylene	**0.021J**	ug/L	0.090	0.0089	2	09/22/15 12:38	09/24/15 12:56	208-96-8	
Anthracene	**<0.0073**	ug/L	0.090	0.0073	2	09/22/15 12:38	09/24/15 12:56	120-12-7	
Benzo(a)anthracene	**<0.0092**	ug/L	0.090	0.0092	2	09/22/15 12:38	09/24/15 12:56	56-55-3	
Benzo(a)pyrene	**<0.0080**	ug/L	0.090	0.0080	2	09/22/15 12:38	09/24/15 12:56	50-32-8	

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ANALYTICAL RESULTS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Sample: BH-35B **Lab ID: 40121410073** Collected: 09/16/15 13:30 Received: 09/19/15 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Benzo(b)fluoranthene	**<0.0096**	ug/L	0.090	0.0096	2	09/22/15 12:38	09/24/15 12:56	205-99-2	
Benzo(g,h,i)perylene	**<0.0063**	ug/L	0.090	0.0063	2	09/22/15 12:38	09/24/15 12:56	191-24-2	
Benzo(k)fluoranthene	**<0.010**	ug/L	0.090	0.010	2	09/22/15 12:38	09/24/15 12:56	207-08-9	
Chrysene	**<0.0076**	ug/L	0.090	0.0076	2	09/22/15 12:38	09/24/15 12:56	218-01-9	
Dibenz(a,h)anthracene	**<0.010**	ug/L	0.090	0.010	2	09/22/15 12:38	09/24/15 12:56	53-70-3	
Fluoranthene	**<0.017**	ug/L	0.090	0.017	2	09/22/15 12:38	09/24/15 12:56	206-44-0	
Fluorene	**0.024J**	ug/L	0.090	0.0073	2	09/22/15 12:38	09/24/15 12:56	86-73-7	B
Indeno(1,2,3-cd)pyrene	**<0.0065**	ug/L	0.090	0.0065	2	09/22/15 12:38	09/24/15 12:56	193-39-5	
1-Methylnaphthalene	**11.7**	ug/L	0.090	0.0056	2	09/22/15 12:38	09/24/15 12:56	90-12-0	
2-Methylnaphthalene	**18.5**	ug/L	0.090	0.0050	2	09/22/15 12:38	09/24/15 12:56	91-57-6	
Naphthalene	**0.90**	ug/L	0.090	0.0082	2	09/22/15 12:38	09/24/15 12:56	91-20-3	
Phenanthrene	**0.020J**	ug/L	0.090	0.014	2	09/22/15 12:38	09/24/15 12:56	85-01-8	B
Pyrene	**<0.014**	ug/L	0.090	0.014	2	09/22/15 12:38	09/24/15 12:56	129-00-0	
Total PAHs	**31.2**	ug/L			2	09/22/15 12:38	09/24/15 12:56		
Surrogates									
2-Fluorobiphenyl (S)	53	%	40-130		2	09/22/15 12:38	09/24/15 12:56	321-60-8	
Terphenyl-d14 (S)	28	%	26-135		2	09/22/15 12:38	09/24/15 12:56	1718-51-0	

Sample: BH-37B **Lab ID: 40121410074** Collected: 09/16/15 15:50 Received: 09/19/15 08:05 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		09/23/15 20:41	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		09/23/15 20:41	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		09/23/15 20:41	1634-04-4	
Naphthalene	**<0.42**	ug/L	1.0	0.42	1		09/23/15 20:41	91-20-3	
Toluene	**<0.39**	ug/L	1.0	0.39	1		09/23/15 20:41	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		09/23/15 20:41	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		09/23/15 20:41	108-67-8	
m&p-Xylene	**<0.80**	ug/L	2.0	0.80	1		09/23/15 20:41	179601-23-1	
o-Xylene	**<0.45**	ug/L	1.0	0.45	1		09/23/15 20:41	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		09/23/15 20:41	98-08-8	

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QUALITY CONTROL DATA

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

QC Batch: GCV/15028 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40121410061, 40121410062, 40121410063, 40121410064, 40121410065

METHOD BLANK: 1224348 Matrix: Solid
Associated Lab Samples: 40121410061, 40121410062, 40121410063, 40121410064, 40121410065

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	09/21/15 09:07	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	09/21/15 09:07	
Benzene	ug/kg	<25.0	50.0	09/21/15 09:07	
Ethylbenzene	ug/kg	<25.0	50.0	09/21/15 09:07	
m&p-Xylene	ug/kg	<50.0	100	09/21/15 09:07	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	09/21/15 09:07	
Naphthalene	ug/kg	<25.0	50.0	09/21/15 09:07	
o-Xylene	ug/kg	<25.0	50.0	09/21/15 09:07	
Toluene	ug/kg	<25.0	50.0	09/21/15 09:07	
a,a,a-Trifluorotoluene (S)	%	103	80-120	09/21/15 09:07	

LABORATORY CONTROL SAMPLE & LCSD: 1224349 1224350

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	890	895	89	89	80-120	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	888	882	89	88	80-120	1	20	
Benzene	ug/kg	1000	935	938	94	94	80-120	0	20	
Ethylbenzene	ug/kg	1000	960	964	96	96	80-120	0	20	
m&p-Xylene	ug/kg	2000	1890	1900	94	95	80-120	1	20	
Methyl-tert-butyl ether	ug/kg	1000	974	955	97	96	80-120	2	20	
Naphthalene	ug/kg	1000	884	884	88	88	80-120	0	20	
o-Xylene	ug/kg	1000	944	945	94	94	80-120	0	20	
Toluene	ug/kg	1000	959	957	96	96	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				104	104	80-120			

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QUALITY CONTROL DATA

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

QC Batch: GCV/15033 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40121410001, 40121410002, 40121410003, 40121410004, 40121410005, 40121410006, 40121410007, 40121410008, 40121410009, 40121410010, 40121410011, 40121410012, 40121410013, 40121410014, 40121410015, 40121410016, 40121410017, 40121410018, 40121410019, 40121410020

METHOD BLANK: 1224667 Matrix: Solid
Associated Lab Samples: 40121410001, 40121410002, 40121410003, 40121410004, 40121410005, 40121410006, 40121410007, 40121410008, 40121410009, 40121410010, 40121410011, 40121410012, 40121410013, 40121410014, 40121410015, 40121410016, 40121410017, 40121410018, 40121410019, 40121410020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	09/22/15 09:01	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	09/22/15 09:01	
Benzene	ug/kg	<25.0	50.0	09/22/15 09:01	
Ethylbenzene	ug/kg	<25.0	50.0	09/22/15 09:01	
m&p-Xylene	ug/kg	<50.0	100	09/22/15 09:01	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	09/22/15 09:01	
Naphthalene	ug/kg	<25.0	50.0	09/22/15 09:01	
o-Xylene	ug/kg	<25.0	50.0	09/22/15 09:01	
Toluene	ug/kg	<25.0	50.0	09/22/15 09:01	
a,a,a-Trifluorotoluene (S)	%	100	80-120	09/22/15 09:01	

LABORATORY CONTROL SAMPLE & LCSD: 1224668 1224669

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	982	1030	98	103	80-120	5	20	
1,3,5-Trimethylbenzene	ug/kg	1000	958	1000	96	100	80-120	5	20	
Benzene	ug/kg	1000	953	982	95	98	80-120	3	20	
Ethylbenzene	ug/kg	1000	975	1010	97	101	80-120	4	20	
m&p-Xylene	ug/kg	2000	1930	2010	97	101	80-120	4	20	
Methyl-tert-butyl ether	ug/kg	1000	964	1000	96	100	80-120	4	20	
Naphthalene	ug/kg	1000	977	1080	98	108	80-120	10	20	
o-Xylene	ug/kg	1000	982	1020	98	102	80-120	4	20	
Toluene	ug/kg	1000	957	995	96	99	80-120	4	20	
a,a,a-Trifluorotoluene (S)	%				101	103	80-120			

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QUALITY CONTROL DATA

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

QC Batch: GCV/15034 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40121410021, 40121410022, 40121410023, 40121410024, 40121410025, 40121410026, 40121410027, 40121410028, 40121410029, 40121410030, 40121410031, 40121410032, 40121410033, 40121410034, 40121410035, 40121410036, 40121410037, 40121410038, 40121410039, 40121410040

METHOD BLANK: 1224670 Matrix: Solid
Associated Lab Samples: 40121410021, 40121410022, 40121410023, 40121410024, 40121410025, 40121410026, 40121410027, 40121410028, 40121410029, 40121410030, 40121410031, 40121410032, 40121410033, 40121410034, 40121410035, 40121410036, 40121410037, 40121410038, 40121410039, 40121410040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	09/22/15 09:06	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	09/22/15 09:06	
Benzene	ug/kg	<25.0	50.0	09/22/15 09:06	
Ethylbenzene	ug/kg	<25.0	50.0	09/22/15 09:06	
m&p-Xylene	ug/kg	<50.0	100	09/22/15 09:06	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	09/22/15 09:06	
Naphthalene	ug/kg	<25.0	50.0	09/22/15 09:06	
o-Xylene	ug/kg	<25.0	50.0	09/22/15 09:06	
Toluene	ug/kg	<25.0	50.0	09/22/15 09:06	
a,a,a-Trifluorotoluene (S)	%	104	80-120	09/22/15 09:06	

LABORATORY CONTROL SAMPLE & LCSD: 1224671 1224672

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1080	975	108	97	80-120	11	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1080	968	108	97	80-120	11	20	
Benzene	ug/kg	1000	1140	993	114	99	80-120	13	20	
Ethylbenzene	ug/kg	1000	1170	1030	117	103	80-120	13	20	
m&p-Xylene	ug/kg	2000	2310	2040	115	102	80-120	12	20	
Methyl-tert-butyl ether	ug/kg	1000	1180	1020	118	102	80-120	15	20	
Naphthalene	ug/kg	1000	1090	986	109	99	80-120	10	20	
o-Xylene	ug/kg	1000	1150	1020	115	102	80-120	13	20	
Toluene	ug/kg	1000	1160	1020	116	102	80-120	13	20	
a,a,a-Trifluorotoluene (S)	%				103	105	80-120			

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QUALITY CONTROL DATA

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

QC Batch: GCV/15043 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40121410041, 40121410042, 40121410043, 40121410044, 40121410045, 40121410046, 40121410047, 40121410048, 40121410049, 40121410050, 40121410051, 40121410052, 40121410053, 40121410054, 40121410055, 40121410056, 40121410057, 40121410058, 40121410059, 40121410060

METHOD BLANK: 1225128 Matrix: Solid
Associated Lab Samples: 40121410041, 40121410042, 40121410043, 40121410044, 40121410045, 40121410046, 40121410047, 40121410048, 40121410049, 40121410050, 40121410051, 40121410052, 40121410053, 40121410054, 40121410055, 40121410056, 40121410057, 40121410058, 40121410059, 40121410060

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	09/23/15 10:32	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	09/23/15 10:32	
Benzene	ug/kg	<25.0	50.0	09/23/15 10:32	
Ethylbenzene	ug/kg	<25.0	50.0	09/23/15 10:32	
m&p-Xylene	ug/kg	<50.0	100	09/23/15 10:32	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	09/23/15 10:32	
Naphthalene	ug/kg	<25.0	50.0	09/23/15 10:32	
o-Xylene	ug/kg	<25.0	50.0	09/23/15 10:32	
Toluene	ug/kg	<25.0	50.0	09/23/15 10:32	
a,a,a-Trifluorotoluene (S)	%	101	80-120	09/23/15 10:32	

LABORATORY CONTROL SAMPLE & LCSD: 1225129 1225130

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1010	998	101	100	80-120	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	985	970	99	97	80-120	2	20	
Benzene	ug/kg	1000	1010	1000	101	100	80-120	1	20	
Ethylbenzene	ug/kg	1000	1040	1030	104	103	80-120	0	20	
m&p-Xylene	ug/kg	2000	2040	2030	102	102	80-120	0	20	
Methyl-tert-butyl ether	ug/kg	1000	1040	1020	104	102	80-120	2	20	
Naphthalene	ug/kg	1000	1010	1020	101	102	80-120	1	20	
o-Xylene	ug/kg	1000	1040	1030	104	103	80-120	1	20	
Toluene	ug/kg	1000	1020	991	102	99	80-120	3	20	
a,a,a-Trifluorotoluene (S)	%				102	100	80-120			

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QUALITY CONTROL DATA

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

QC Batch: GCV/15040 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40121410066, 40121410067, 40121410068, 40121410069, 40121410070, 40121410071, 40121410072, 40121410073, 40121410074

METHOD BLANK: 1224703 Matrix: Water
Associated Lab Samples: 40121410066, 40121410067, 40121410068, 40121410069, 40121410070, 40121410071, 40121410072, 40121410073, 40121410074

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	09/23/15 08:48	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	09/23/15 08:48	
Benzene	ug/L	<0.40	1.0	09/23/15 08:48	
Ethylbenzene	ug/L	<0.39	1.0	09/23/15 08:48	
m&p-Xylene	ug/L	<0.80	2.0	09/23/15 08:48	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	09/23/15 08:48	
Naphthalene	ug/L	<0.42	1.0	09/23/15 08:48	
o-Xylene	ug/L	<0.45	1.0	09/23/15 08:48	
Toluene	ug/L	<0.39	1.0	09/23/15 08:48	
a,a,a-Trifluorotoluene (S)	%	99	80-120	09/23/15 08:48	

LABORATORY CONTROL SAMPLE & LCSD: 1224704 1224705

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	21.4	21.9	107	109	80-120	2	20	
1,3,5-Trimethylbenzene	ug/L	20	21.2	21.7	106	108	80-120	2	20	
Benzene	ug/L	20	21.4	21.5	107	108	80-120	0	20	
Ethylbenzene	ug/L	20	21.5	21.8	107	109	80-120	1	20	
m&p-Xylene	ug/L	40	42.4	43.0	106	107	80-120	2	20	
Methyl-tert-butyl ether	ug/L	20	21.3	21.0	107	105	80-120	2	20	
Naphthalene	ug/L	20	20.6	21.1	103	105	80-120	2	20	
o-Xylene	ug/L	20	21.6	22.0	108	110	80-120	2	20	
Toluene	ug/L	20	21.3	21.4	107	107	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				100	100	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1224978 1224980

Parameter	Units	40121397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	<4.2	200	200	225	231	113	116	29-200	3	20	
1,3,5-Trimethylbenzene	ug/L	<4.2	200	200	226	232	113	116	57-171	3	20	
Benzene	ug/L	1840	200	200	2070	2000	115	78	69-150	4	20	
Ethylbenzene	ug/L	6.6J	200	200	231	236	112	115	80-146	2	20	
m&p-Xylene	ug/L	20.4	400	400	460	472	110	113	65-173	3	20	
Methyl-tert-butyl ether	ug/L	<4.8	200	200	211	217	105	109	80-120	3	20	
Naphthalene	ug/L	27.3	200	200	237	248	105	110	66-137	5	20	
o-Xylene	ug/L	4.5J	200	200	225	232	110	114	79-144	3	20	

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QUALITY CONTROL DATA

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1224978 1224980

Parameter	Units	40121397002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene	ug/L	24.0	200	200	243	245	109	111	67-156	1	20	
a,a,a-Trifluorotoluene (S)	%						103	101	80-120			

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QUALITY CONTROL DATA

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

QC Batch: OEXT/28102
QC Batch Method: EPA 3546
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40121410039

METHOD BLANK: 1227114
Matrix: Solid
Associated Lab Samples: 40121410039

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<8.3	16.7	09/25/15 10:36	
2-Methylnaphthalene	ug/kg	<8.3	16.7	09/25/15 10:36	
Acenaphthene	ug/kg	<8.3	16.7	09/25/15 10:36	
Acenaphthylene	ug/kg	<7.5	16.7	09/25/15 10:36	
Anthracene	ug/kg	<8.6	16.7	09/25/15 10:36	
Benzo(a)anthracene	ug/kg	<5.8	16.7	09/25/15 10:36	
Benzo(a)pyrene	ug/kg	<6.0	16.7	09/25/15 10:36	
Benzo(b)fluoranthene	ug/kg	<8.3	16.7	09/25/15 10:36	
Benzo(g,h,i)perylene	ug/kg	<6.3	16.7	09/25/15 10:36	
Benzo(k)fluoranthene	ug/kg	<9.2	16.7	09/25/15 10:36	
Chrysene	ug/kg	<7.7	16.7	09/25/15 10:36	
Dibenz(a,h)anthracene	ug/kg	<6.1	16.7	09/25/15 10:36	
Fluoranthene	ug/kg	<8.3	16.7	09/25/15 10:36	
Fluorene	ug/kg	<8.3	16.7	09/25/15 10:36	
Indeno(1,2,3-cd)pyrene	ug/kg	<6.3	16.7	09/25/15 10:36	
Naphthalene	ug/kg	<8.3	16.7	09/25/15 10:36	
Phenanthrene	ug/kg	<8.3	16.7	09/25/15 10:36	
Pyrene	ug/kg	<8.3	16.7	09/25/15 10:36	
2-Fluorobiphenyl (S)	%	60	39-130	09/25/15 10:36	
Terphenyl-d14 (S)	%	62	37-130	09/25/15 10:36	

LABORATORY CONTROL SAMPLE: 1227115

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	220	66	53-130	
2-Methylnaphthalene	ug/kg	333	218	65	52-130	
Acenaphthene	ug/kg	333	236	71	54-130	
Acenaphthylene	ug/kg	333	237	71	55-130	
Anthracene	ug/kg	333	292	88	64-130	
Benzo(a)anthracene	ug/kg	333	232	70	50-130	
Benzo(a)pyrene	ug/kg	333	271	81	46-130	
Benzo(b)fluoranthene	ug/kg	333	255	77	43-130	
Benzo(g,h,i)perylene	ug/kg	333	262	79	48-130	
Benzo(k)fluoranthene	ug/kg	333	276	83	55-130	
Chrysene	ug/kg	333	274	82	62-130	
Dibenz(a,h)anthracene	ug/kg	333	254	76	49-130	
Fluoranthene	ug/kg	333	241	72	57-130	
Fluorene	ug/kg	333	229	69	57-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	260	78	50-130	
Naphthalene	ug/kg	333	212	64	48-130	

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QUALITY CONTROL DATA

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

LABORATORY CONTROL SAMPLE: 1227115

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	233	70	51-130	
Pyrene	ug/kg	333	232	70	55-130	
2-Fluorobiphenyl (S)	%			70	39-130	
Terphenyl-d14 (S)	%			75	37-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1227116 1227117

Parameter	Units	40121363001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<19.9	398	398	245	240	61	60	50-130	2	30	
2-Methylnaphthalene	ug/kg	<19.9	398	398	248	244	62	61	44-130	2	32	
Acenaphthene	ug/kg	<19.9	398	398	256	256	64	64	46-130	0	26	
Acenaphthylene	ug/kg	<19.9	398	398	261	261	65	66	49-130	0	23	
Anthracene	ug/kg	<19.9	398	398	313	322	78	81	52-130	3	28	
Benzo(a)anthracene	ug/kg	<19.9	398	398	260	258	65	65	34-130	1	36	
Benzo(a)pyrene	ug/kg	<19.9	398	398	278	276	70	69	34-130	1	40	
Benzo(b)fluoranthene	ug/kg	<19.9	398	398	268	270	67	68	22-130	1	40	
Benzo(g,h,i)perylene	ug/kg	<19.9	398	398	275	267	69	67	24-130	3	35	
Benzo(k)fluoranthene	ug/kg	<19.9	398	398	294	283	74	71	41-130	4	37	
Chrysene	ug/kg	<19.9	398	398	302	300	76	75	49-130	1	33	
Dibenz(a,h)anthracene	ug/kg	<19.9	398	398	271	264	68	66	27-130	3	31	
Fluoranthene	ug/kg	<19.9	398	398	261	260	65	65	34-130	0	37	
Fluorene	ug/kg	<19.9	398	398	251	251	63	63	45-130	0	25	
Indeno(1,2,3-cd)pyrene	ug/kg	<19.9	398	398	275	268	69	67	30-130	3	34	
Naphthalene	ug/kg	<19.9	398	398	242	237	60	59	38-130	2	30	
Phenanthrene	ug/kg	<19.9	398	398	249	250	63	63	38-130	0	34	
Pyrene	ug/kg	<19.9	398	398	259	258	65	65	35-130	0	35	
2-Fluorobiphenyl (S)	%						63	63	39-130			
Terphenyl-d14 (S)	%						69	67	37-130			

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QUALITY CONTROL DATA

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

QC Batch: OEXT/28052
QC Batch Method: EPA 3510
Associated Lab Samples: 40121410073

Analysis Method: EPA 8270 by HVI
Analysis Description: 8270 Water PAH by HVI

METHOD BLANK: 1224760
Matrix: Water
Associated Lab Samples: 40121410073

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	0.0095J	0.050	09/23/15 12:27	
2-Methylnaphthalene	ug/L	0.0091J	0.050	09/23/15 12:27	
Acenaphthene	ug/L	0.0068J	0.050	09/23/15 12:27	
Acenaphthylene	ug/L	<0.0049	0.050	09/23/15 12:27	
Anthracene	ug/L	<0.0040	0.050	09/23/15 12:27	
Benzo(a)anthracene	ug/L	0.016J	0.050	09/23/15 12:27	
Benzo(a)pyrene	ug/L	0.0057J	0.050	09/23/15 12:27	
Benzo(b)fluoranthene	ug/L	0.0094J	0.050	09/23/15 12:27	
Benzo(g,h,i)perylene	ug/L	0.0083J	0.050	09/23/15 12:27	
Benzo(k)fluoranthene	ug/L	0.0064J	0.050	09/23/15 12:27	
Chrysene	ug/L	0.0079J	0.050	09/23/15 12:27	
Dibenz(a,h)anthracene	ug/L	0.0072J	0.050	09/23/15 12:27	
Fluoranthene	ug/L	<0.0094	0.050	09/23/15 12:27	
Fluorene	ug/L	0.0049J	0.050	09/23/15 12:27	
Indeno(1,2,3-cd)pyrene	ug/L	0.0094J	0.050	09/23/15 12:27	
Naphthalene	ug/L	0.020J	0.050	09/23/15 12:27	
Phenanthrene	ug/L	0.017J	0.050	09/23/15 12:27	
Pyrene	ug/L	0.0090J	0.050	09/23/15 12:27	
Total PAHs	ug/L	0.16		09/23/15 12:27	
2-Fluorobiphenyl (S)	%	55	40-130	09/23/15 12:27	
Terphenyl-d14 (S)	%	97	26-135	09/23/15 12:27	

LABORATORY CONTROL SAMPLE: 1224761

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.2	61	46-130	
2-Methylnaphthalene	ug/L	2	1.3	65	47-130	
Acenaphthene	ug/L	2	1.3	63	49-130	
Acenaphthylene	ug/L	2	1.5	77	44-130	
Anthracene	ug/L	2	1.7	87	53-130	
Benzo(a)anthracene	ug/L	2	2.1	103	49-130	
Benzo(a)pyrene	ug/L	2	1.9	95	47-130	
Benzo(b)fluoranthene	ug/L	2	1.9	93	54-133	
Benzo(g,h,i)perylene	ug/L	2	1.2	61	33-132	
Benzo(k)fluoranthene	ug/L	2	1.6	81	59-143	
Chrysene	ug/L	2	2.0	100	70-157	
Dibenz(a,h)anthracene	ug/L	2	1.1	56	24-130	
Fluoranthene	ug/L	2	2.2	110	59-130	
Fluorene	ug/L	2	1.5	74	49-130	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.6	78	52-130	

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QUALITY CONTROL DATA

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

LABORATORY CONTROL SAMPLE: 1224761

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	2	1.2	60	45-130	
Phenanthrene	ug/L	2	2.2	112	60-130	
Pyrene	ug/L	2	1.9	97	64-147	
Total PAHs	ug/L		29.4			
2-Fluorobiphenyl (S)	%			58	40-130	
Terphenyl-d14 (S)	%			87	26-135	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1224762 1224763

Parameter	Units	40121373008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	44.7	1.8	1.9	42.5	44.9	-117	13	27-130	5	42	M6
2-Methylnaphthalene	ug/L	39.1	1.8	1.9	37.3	38.8	-100	-16	33-130	4	37	M6
Acenaphthene	ug/L	10.7	1.8	1.9	11.7	11.8	55	56	32-130	0	35	
Acenaphthylene	ug/L	0.39J	1.8	1.9	1.6	1.6	67	67	34-130	2	29	
Anthracene	ug/L	0.15J	1.8	1.9	1.3	1.3	66	62	31-130	2	29	
Benzo(a)anthracene	ug/L	<0.072	1.8	1.9	1.2	1.2	64	63	35-135	3	20	
Benzo(a)pyrene	ug/L	<0.062	1.8	1.9	0.98	0.95	54	50	21-139	4	22	
Benzo(b)fluoranthene	ug/L	<0.074	1.8	1.9	1.0	1.1	56	56	26-144	3	20	
Benzo(g,h,i)perylene	ug/L	<0.049	1.8	1.9	0.75	0.73	41	39	10-142	2	20	
Benzo(k)fluoranthene	ug/L	<0.079	1.8	1.9	1.0	1.0	57	54	21-155	0	20	
Chrysene	ug/L	<0.059	1.8	1.9	1.3	1.5	72	80	46-157	14	20	
Dibenz(a,h)anthracene	ug/L	<0.078	1.8	1.9	0.54J	0.61J	30	32	10-143		20	
Fluoranthene	ug/L	0.46J	1.8	1.9	1.9	2.0	79	80	35-138	4	20	
Fluorene	ug/L	2.5	1.8	1.9	3.6	3.8	59	66	28-130	4	27	
Indeno(1,2,3-cd)pyrene	ug/L	<0.050	1.8	1.9	0.82	0.81	45	43	16-139	1	20	
Naphthalene	ug/L	99.1	1.8	1.9	89.2	98.6	-547	-27	35-130	10	39	M6
Phenanthrene	ug/L	1.7	1.8	1.9	3.1	3.2	76	78	41-131	3	22	
Pyrene	ug/L	0.32J	1.8	1.9	1.6	1.6	68	70	50-151	6	20	
Total PAHs	ug/L	199			201	216				7		
2-Fluorobiphenyl (S)	%						59	60	40-130			
Terphenyl-d14 (S)	%						56	59	26-135			

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QUALITY CONTROL DATA

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

QC Batch: PMST/11813 | Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40121410050, 40121410051, 40121410052, 40121410053, 40121410054, 40121410055, 40121410056, 40121410057, 40121410058, 40121410059, 40121410060, 40121410061, 40121410062, 40121410063, 40121410064

SAMPLE DUPLICATE: 1224622

Parameter	Units	40121410060 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.1	6.8	4	10	

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QUALITY CONTROL DATA

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

QC Batch: PMST/11867 | Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40121410001, 40121410002, 40121410003, 40121410004, 40121410005, 40121410006, 40121410007, 40121410008

SAMPLE DUPLICATE: 1230006

Parameter	Units	40121958005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.7	11.7	8	10	

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QUALITY CONTROL DATA

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

QC Batch: PMST/11869 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40121410009, 40121410010, 40121410011, 40121410012, 40121410013, 40121410014, 40121410015, 40121410016, 40121410017, 40121410018, 40121410019, 40121410020, 40121410021, 40121410022, 40121410023, 40121410024, 40121410025, 40121410026, 40121410027, 40121410028

SAMPLE DUPLICATE: 1230055

Parameter	Units	40121410011 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.7	5.2	9	10	

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QUALITY CONTROL DATA

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

QC Batch: PMST/11875 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40121410029, 40121410030, 40121410031, 40121410032, 40121410033, 40121410034, 40121410035, 40121410036, 40121410037, 40121410038, 40121410039, 40121410040, 40121410041, 40121410042, 40121410043, 40121410044, 40121410045, 40121410046, 40121410047, 40121410048

SAMPLE DUPLICATE: 1230833

Parameter	Units	40121410036 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.9	4.7	4	10	

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QUALITY CONTROL DATA

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

QC Batch: PMST/11877
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40121410049

SAMPLE DUPLICATE: 1230868

Parameter	Units	40121410049 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.9	4.9	1	10	

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QUALIFIERS

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
W	Non-detect results are reported on a wet weight basis.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40121410001	**BH-1 @ 2-4**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410002	**BH-1 @ 7-8**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410003	**BH-2 @ 2-4**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410004	**BH-2 @ 7-8**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410005	**BH-3 @ 2-4**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410006	**BH-3 @ 7-8**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410007	**BH-4 @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410008	**BH-4 @ 6-7**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410009	**BH-5 @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410010	**BH-5 @ 6-7**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410011	**BH-6 @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410012	**BH-6 @ 6-7**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410013	**BH-7 @ 1.5-2.5**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410014	**BH-7 @ 6-7**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410015	**BH-8 @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410016	**BH-8 @ 5.5-6.5**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410017	**BH-9 @ 1.5-2.6**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410018	**BH-9 @ 5.5-6.7**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410019	**BH-10 @ 9-9.5**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410020	**BH-11 @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15033	WI MOD GRO	GCV/15037
40121410021	**BH-11 @ 8.5-9.0**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410022	**BH-12 @ 0.5-1.5**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410023	**BH-12 @ 8.5-9.5**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410024	**BH-13 @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410025	**BH-13 @ 8.5-9.5**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410026	**BH-15 @ 0-1.5**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410027	**BH-16 @ 5-6**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410028	**BH-17 @ 1.5-2.5**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410029	**BH-17 @ 7-8**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410030	**BH-18 @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410031	**BH-18 @ 5.5-6.5**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410032	**BH-19 @ 5-7**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410033	**BH-19 @ 7-9**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410034	**BH-20 @ 5-7**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410035	**BH-21 @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410036	**BH-21 @ 6.5-7.5**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410037	**BH-22 @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410038	**BH-22 @ 6.5-7.5**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410039	**BH-23A @ 4-4.5**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410040	**BH-23C @ 6-7**	TPH GRO/PVOC WI ext.	GCV/15034	WI MOD GRO	GCV/15038
40121410041	**BH-24 @ 1.5-2.5**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410042	**BH-24 @ 6.5-7.5**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410043	**BH-25 @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410044	**BH-26 @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410045	**BH-26 @ 6-7**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410046	**BH-27 @ 1.5-2.5**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410047	**BH-27 @ 6.5-7.5**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410048	**BH-28 @ 1.5-2.5**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40121410049	**BH-28 @ 7-8**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410050	**BH-29 @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410051	**BH-29 @ 7-8**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410052	**BH-30 @ 0.5-1.5**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410053	**BH-31 @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410054	**BH-31 @ 6.5-7.5**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410055	**BH-32B @ 6-7**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410056	**BH-32B @ 0.5-1**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410057	**BH-33 @ 8-9**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410058	**BH-34 @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410059	**BH-34 @ 8-9**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410060	**BH-35B @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15043	WI MOD GRO	GCV/15048
40121410061	**BH-35B @ 8-9**	TPH GRO/PVOC WI ext.	GCV/15028	WI MOD GRO	GCV/15030
40121410062	**BH-36B @ 0.5-1**	TPH GRO/PVOC WI ext.	GCV/15028	WI MOD GRO	GCV/15030
40121410063	**BH-37B @ 1-2**	TPH GRO/PVOC WI ext.	GCV/15028	WI MOD GRO	GCV/15030
40121410064	**BH-37B @ 5.5-6.5**	TPH GRO/PVOC WI ext.	GCV/15028	WI MOD GRO	GCV/15030
40121410065	**TRIP BLANK (MEOH)**	TPH GRO/PVOC WI ext.	GCV/15028	WI MOD GRO	GCV/15030
40121410066	**TRIP BLANK**	WI MOD GRO	GCV/15040		
40121410067	**BH-26 @ 27'**	WI MOD GRO	GCV/15040		
40121410068	**BH-25 @ 27'**	WI MOD GRO	GCV/15040		
40121410069	**BH-30 @ 25'**	WI MOD GRO	GCV/15040		
40121410070	**BH-22A**	WI MOD GRO	GCV/15040		
40121410071	**BH-17**	WI MOD GRO	GCV/15040		
40121410072	**BH-36 @ 39'**	WI MOD GRO	GCV/15040		
40121410073	**BH-35B**	WI MOD GRO	GCV/15040		
40121410074	**BH-37B**	WI MOD GRO	GCV/15040		
40121410039	**BH-23A @ 4-4.5**	EPA 3546	OEXT/28102	EPA 8270 by SIM	MSSV/8303
40121410073	**BH-35B**	EPA 3510	OEXT/28052	EPA 8270 by HVI	MSSV/8288
40121410001	**BH-1 @ 2-4**	ASTM D2974-87	PMST/11867		
40121410002	**BH-1 @ 7-8**	ASTM D2974-87	PMST/11867		
40121410003	**BH-2 @ 2-4**	ASTM D2974-87	PMST/11867		
40121410004	**BH-2 @ 7-8**	ASTM D2974-87	PMST/11867		
40121410005	**BH-3 @ 2-4**	ASTM D2974-87	PMST/11867		
40121410006	**BH-3 @ 7-8**	ASTM D2974-87	PMST/11867		
40121410007	**BH-4 @ 1-2**	ASTM D2974-87	PMST/11867		
40121410008	**BH-4 @ 6-7**	ASTM D2974-87	PMST/11867		
40121410009	**BH-5 @ 1-2**	ASTM D2974-87	PMST/11869		
40121410010	**BH-5 @ 6-7**	ASTM D2974-87	PMST/11869		
40121410011	**BH-6 @ 1-2**	ASTM D2974-87	PMST/11869		
40121410012	**BH-6 @ 6-7**	ASTM D2974-87	PMST/11869		
40121410013	**BH-7 @ 1.5-2.5**	ASTM D2974-87	PMST/11869		
40121410014	**BH-7 @ 6-7**	ASTM D2974-87	PMST/11869		
40121410015	**BH-8 @ 1-2**	ASTM D2974-87	PMST/11869		
40121410016	**BH-8 @ 5.5-6.5**	ASTM D2974-87	PMST/11869		
40121410017	**BH-9 @ 1.5-2.6**	ASTM D2974-87	PMST/11869		
40121410018	**BH-9 @ 5.5-6.7**	ASTM D2974-87	PMST/11869		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 903 AXUC TOWER STANDARD
Pace Project No.: 40121410

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40121410019	**BH-10 @ 9-9.5**	ASTM D2974-87	PMST/11869		
40121410020	**BH-11 @ 1-2**	ASTM D2974-87	PMST/11869		
40121410021	**BH-11 @ 8.5-9.0**	ASTM D2974-87	PMST/11869		
40121410022	**BH-12 @ 0.5-1.5**	ASTM D2974-87	PMST/11869		
40121410023	**BH-12 @ 8.5-9.5**	ASTM D2974-87	PMST/11869		
40121410024	**BH-13 @ 1-2**	ASTM D2974-87	PMST/11869		
40121410025	**BH-13 @ 8.5-9.5**	ASTM D2974-87	PMST/11869		
40121410026	**BH-15 @ 0-1.5**	ASTM D2974-87	PMST/11869		
40121410027	**BH-16 @ 5-6**	ASTM D2974-87	PMST/11869		
40121410028	**BH-17 @ 1.5-2.5**	ASTM D2974-87	PMST/11869		
40121410029	**BH-17 @ 7-8**	ASTM D2974-87	PMST/11875		
40121410030	**BH-18 @ 1-2**	ASTM D2974-87	PMST/11875		
40121410031	**BH-18 @ 5.5-6.5**	ASTM D2974-87	PMST/11875		
40121410032	**BH-19 @ 5-7**	ASTM D2974-87	PMST/11875		
40121410033	**BH-19 @ 7-9**	ASTM D2974-87	PMST/11875		
40121410034	**BH-20 @ 5-7**	ASTM D2974-87	PMST/11875		
40121410035	**BH-21 @ 1-2**	ASTM D2974-87	PMST/11875		
40121410036	**BH-21 @ 6.5-7.5**	ASTM D2974-87	PMST/11875		
40121410037	**BH-22 @ 1-2**	ASTM D2974-87	PMST/11875		
40121410038	**BH-22 @ 6.5-7.5**	ASTM D2974-87	PMST/11875		
40121410039	**BH-23A @ 4-4.5**	ASTM D2974-87	PMST/11875		
40121410040	**BH-23C @ 6-7**	ASTM D2974-87	PMST/11875		
40121410041	**BH-24 @ 1.5-2.5**	ASTM D2974-87	PMST/11875		
40121410042	**BH-24 @ 6.5-7.5**	ASTM D2974-87	PMST/11875		
40121410043	**BH-25 @ 1-2**	ASTM D2974-87	PMST/11875		
40121410044	**BH-26 @ 1-2**	ASTM D2974-87	PMST/11875		
40121410045	**BH-26 @ 6-7**	ASTM D2974-87	PMST/11875		
40121410046	**BH-27 @ 1.5-2.5**	ASTM D2974-87	PMST/11875		
40121410047	**BH-27 @ 6.5-7.5**	ASTM D2974-87	PMST/11875		
40121410048	**BH-28 @ 1.5-2.5**	ASTM D2974-87	PMST/11875		
40121410049	**BH-28 @ 7-8**	ASTM D2974-87	PMST/11877		
40121410050	**BH-29 @ 1-2**	ASTM D2974-87	PMST/11813		
40121410051	**BH-29 @ 7-8**	ASTM D2974-87	PMST/11813		
40121410052	**BH-30 @ 0.5-1.5**	ASTM D2974-87	PMST/11813		
40121410053	**BH-31 @ 1-2**	ASTM D2974-87	PMST/11813		
40121410054	**BH-31 @ 6.5-7.5**	ASTM D2974-87	PMST/11813		
40121410055	**BH-32B @ 6-7**	ASTM D2974-87	PMST/11813		
40121410056	**BH-32B @ 0.5-1**	ASTM D2974-87	PMST/11813		
40121410057	**BH-33 @ 8-9**	ASTM D2974-87	PMST/11813		
40121410058	**BH-34 @ 1-2**	ASTM D2974-87	PMST/11813		
40121410059	**BH-34 @ 8-9**	ASTM D2974-87	PMST/11813		
40121410060	**BH-35B @ 1-2**	ASTM D2974-87	PMST/11813		
40121410061	**BH-35B @ 8-9**	ASTM D2974-87	PMST/11813		
40121410062	**BH-36B @ 0.5-1**	ASTM D2974-87	PMST/11813		
40121410063	**BH-37B @ 1-2**	ASTM D2974-87	PMST/11813		
40121410064	**BH-37B @ 5.5-6.5**	ASTM D2974-87	PMST/11813		

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

1/7 40121410

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www.pacelabs.com

MM

CHAIN OF CUSTODY

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

(Please Print Clearly)

Company Name:	REI
Branch/Location:	
Project Contact:	DAVID LARSEN
Phone:	715 675-9784
Project Number:	903 AXUL
Project Name:	TOWER STANDARD
Project State:	WI
Sampled By (Print):	DAVID LARSEN
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	

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

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

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: Y/N	Analyses Requested: Pick Letter	Analyses Requested: Pick Letter	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	N			1-4oz P	1-40ml VF
					F	A				
					PVC/N	Dry Weight				
001	BH-1 @ 2-4	9-14-15	10:40	Soil	X	X				
002	BH-1 @ 7-8	9-14-15	10:45		X	X		PECFA UAC		
003	BH-2 @ 2-4		10:58		X	X				
004	BH-2 @ 7-8		11:02		X	X				
005	BH-3 @ 2-4		11:15		X	X				
006	BH-3 @ 7-8		11:19		X	X				
007	BH-4 @ 1-2		11:36		X	X				
008	BH-4 @ 6-7		11:44		X	X				
009	BH5 @ 1-2		11:53		X	X				
010	BH5 @ 6-7		11:57		X	X				
011	BH6 @ 1-2		12:11		X	X				
012	BH6 @ 6-7		12:17		X	X				

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	9-18 @ 2:53		
WaltCo	9/19/15 0805	Cordy Rest	9/19/15 0805

PACE Project No. 40121410
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

ORIGINAL

C019a(27 Jun2006)

EPA-R5-2017-010506_0002409

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CHAIN OF CUSTODY

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H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)

Company Name:	REI
Branch/Location:	
Project Contact:	DAVID LARSEN
Phone:	715 675-9784
Project Number:	903 AXUC
Project Name:	TOWER STANDARD
Project State:	WI
Sampled By (Print):	DAVID LARSEN
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	

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

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

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: PVOC IN	Dry Weight	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N: N	N			
					Pick Letter: F	A			
013	BH7 @ 1.5-2.5	9-14-15	12:46	Soil	X	X		1-4oz P	1-40mlVF
014	BH7 @ 6-7		12:50		X	X	PECFA UdC		
015	BH8 @ 1-2		1:10		X	X			
016	BH8 @ 5.5-6.5		1:14		X	X			
017	BH9 @ 1.5-2.5		1:32		X	X			
018	BH9 @ 5.5-6.5		1:37		X	X			
019	BH10 @ 9-9.5		2:05		X	X			
020	BH11 @ 1-2		2:45		X	X			
021	BH11 @ 8.5-9.0		2:53		X	X			
022	BH12 @ 0.5 to 1.5		3:05		X	X			
023	BH12 @ 8.5-9.5		3:10		X	X			
024	BH13 @ 1-2		3:38		X	X			
025	BH13 @ 8.5-9.5		3:44		X	X			

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	9-18-15 @ 2:53		
WaltCo	9/19/15 0805	Carlos Rt	9/19/15 0805

PACE Project No. 40121410
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / ~~Not Present~~ Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

EPA-R5-2017-010506_0002409

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

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CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	RET
Branch/Location:	
Project Contact:	DAVID CARSEN
Phone:	715 675-9784
Project Number:	903AKLC
Project Name:	TOWER STANDARD
Project State:	WI
Sampled By (Print):	DAVID CARSEN
Sampled By (Sign):	[signature]
PO #:	Regulatory Program:

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

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

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PAC/N	Analyses Requested: Dry Weight	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
026	BH15 @ 0-1.5	9-14-15	4:03	Soil	N	F	X	X		1-4oz P 1-40ml VF	
027	BH16 @ 5-6	9-14-15	4:27				X	X			
028	BH17 @ 1.5-2.5	9-15-15	8:00				X	X	PCPA Wd		
029	BH17 @ 7-8		8:08				X	X			
030	BH18 @ 1-2		8:33				X	X			
031	BH18 @ 5.5-6.5		8:37				X	X			
032	BH19 @ 5-7		9:21				X	X			
033	BH19 @ 7-9		9:27				X	X			
034	BH20 @ 5-7		10:02				X	X			
035	BH21 @ 1-2		10:21				X	X			
036	BH21 @ 6.5-7.5		10:26				X	X			
037	BH22 @ 1-2		10:47				X	X			
038	BH22 @ 6.5-7.5		10:51				X	X			

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	9-18-15 @2:53		
[signature]	9/19/15 0805	[signature]	9/19/15 0805

PACE Project No. 40121410

Receipt Temp = 6.1 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

EPA-R5-2017-010506_0002409

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

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CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	RET
Branch/Location:	
Project Contact:	DAVID LARSEN
Phone:	715 675-9784
Project Number:	903AXLE
Project Name:	TOWER STANDARD
Project State:	WI
Sampled By (Print):	DAVID LARSEN
Sampled By (Sign):	[signature]
PO #:	Regulatory Program:

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

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

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	PFC/IN	PAH	Dry Weight	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	FILTERED? (YES/NO) Y/N				N	N	N			
	PRESERVATION (CODE)* Pick Letter				F	A	A			
	~~BH23 4-4.5~~	~~9-15-15~~	~~12:13~~	S	~~X~~	~~X~~	~~X~~		X 09/19/15	
039	BH23A @ 4-4.5	9-15-15	12:13		X	X	X		1-4oz P 1-40mlVB 1-4ozAG	
040	BH23C @ 6-7	9-15-15	12:23		X		X	PECFA WDC		
041	BH24 @ 1.5-2.5		12:17		X		X			
042	BH24 @ 6.5-7.5		12:30		X		X			
043	BH25 @ 1-2		1:23		X		X			
044	BH26 @ 1-2		3:08		X		X			
045	BH26 @ 6-7		3:14		X		X			
046	BH27 @ 1.5-2.5			4:44	X		X			
047	BH27 @ 6.5-7.5			4:49	X		X			
048	BH28 @ 1.5-2.5		5:16		X		X			
049	BH28 @ 7-8		5:20		X		X			

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	9-18-15 @2:53		
[signature]	9/19/15 0805	[signature]	9/19/15 0805

PACE Project No. 40121410

Receipt Temp = ROI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / ~~Not Present~~ Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

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5/7

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

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CHAIN OF CUSTODY

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

(Please Print Clearly)

Company Name:	REI
Branch/Location:	
Project Contact:	David Larsen
Phone:	715 675-9784
Project Number:	903 AXUC
Project Name:	Tower Standard
Project State:	WI
Sampled By (Print):	David Larsen
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	

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

FILTERED? (YES/NO) Y/N: N N
PRESERVATION (CODE)* Pick Letter: F A

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: PVOC/N	Analyses Requested: Dry Weight	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
050	BH29 @ 1-2	9-16-15	8:12	Soil	X	X		1-ziploc 1-40ml VF	
051	BH29 @ 7-8		8:17		X	X			
~~052~~ 052	BH30 @ 0.5-1.5		9:07		X	X	PECFA UAC		
~~053~~	~~BH30 @ 2.5'~~								
054 053	BH31 @ 1-2		10:47		X	X			
055 054	BH31B @ 6.5-7.5		10:54		X	X			
056 055	BH32B @ 6-7		11:17		X	X			
057 056	BH32B @ 0.5-1		11:43		X	X			
	~~[illegible]~~		~~[illegible]~~						
057	BH33 @ 8-9		11:36		X	X			
058	BH34 @ 1-2		12:13		X	X			
059	BH34 @ 8-9		12:18		X	X			

CP 9/19/15

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	9-18-15 @2:53		
Waltco	9/19/15 0805	[signature]	9/19/15 0805

PACE Project No. 40121410
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

EPA-R5-2017-010506_0002409

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

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CHAIN OF CUSTODY

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

(Please Print Clearly)

Company Name:	REI
Branch/Location:	
Project Contact:	DAVID LARSEN
Phone:	715 675-9784
Project Number:	903 AXUC
Project Name:	TOWER STANDARD
Project State:	WI
Sampled By (Print):	DAVID LARSEN
Sampled By (Sign):	[signature]
PO #:	
Regulatory Program:	

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

FILTERED? (YES/NO) Y/N: N N
PRESERVATION (CODE)* Pick Letter: F A

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: PVC/N	Dry Weight	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
060	BH35B @ 1-2	9-16-15	12:51		X	X		1-ziploc 1-40mlVF	
061	BH35B @ 8-9		12:57		X	X			
062	BH36B @ 0.5-1		2:06		X	X	PECFA UC		
063	BH37B @ 1-2		3:13		X	X			
064	BH37B @ 5.5-6.5		3:24		X	X			
	Temperature Blank								
065	TRIP Blank (MeOH)	9-15-15	9:00		X			2-40mlVF	
	~~TRIP Blank (MeOH)~~	~~9-14-15~~	~~10:50~~						
066	TRIP Blank							4-40mlVB	

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	9-18-15 @2:53		
Waltco	9/19/15 0805	[signature]	9/19/15 0805

PACE Project No. 40121410
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

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CHAIN OF CUSTODY

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

(Please Print Clearly)

Company Name:	REI
Branch/Location:	
Project Contact:	DAVID CARSEN
Phone:	715 685-9764
Project Number:	903 AKLC
Project Name:	TOWER STANDARD
Project State:	WI
Sampled By (Print):	DAVID CARSEN
Sampled By (Sign):	[signature]
PO #:	Regulatory Program:

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

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVC/N	Analyses Requested: PAH	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	B		A			
067	BH26 @27'	9-15-15	4:30	GW		X				3-40mlVB	
068	BH25 @27'		2:30			X					
069	BH30 @25'	9-16-15	9:43			X			PCPA		
070	BH22A	9-15	6:00			X					
071	BH17	9-15-15	6:10			X					
072	BH36 @39'	9-16	2:35			X					
073	BH35B	9-16	1:30			X	X			1-100mlAG4	
074	BH37B	9-16	3:50			X					

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	9-16-15 @2:53		
WALTCO	9/19/15 0805	[signature]	9/19/15 0805

PACE Project No. 40121410
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

EPA-R5-2017-010506_0002409

Pace Analytical™

Sample Condition Upon Receipt

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

Sample Condition Upon Receipt

Client Name: REI Project # 40121410

Additional Comments/Resolution: Labels Do Not match COC: 001 - BH-1 0-5'
002 - BH-1 5-10' 003 - BH-2 0-5' 004 - BH-2 5-10' 005 - BH-3 0-5' 006 - BH-3 5-10'
031 - no time on poly label 033 - BH-19 037 - BH-22B 1-2' 038 - BH-22B 6.5-7.5'
039 - BH-24A 4-4.5' 040 - no time 044 - BH-26 048 - BH-28 6.5-2.5'
052 - BH-30 0-5' no time 053 - BH-31B 0-5' no time 054 - BH-31B 5-10' no time
055 - BH-32B 5-10' no time 056 - BH-32B 0-5' no time 057 - BH-33 5-10' no time
058 - BH-34 0-5 no time 059 - BH-34 5-10' no time 060 - BH-35B 0-5 no time
061 - BH-35B 5-10' no time 062 - BH-36 0-5 no time 063 - BH-37A 0-5 no time
064 - BH-37A 5-10' no time 069 - BH-30 072 - BH-36 073 - time on vial/AG is 1:20
020 - BH-11 time 2:53, 039 - BH-24A 4-4.5 12:13,

follow COC per DL 9-22-15

Project Manager Review: Date: 9-21-15

F-GB-C-031-Rev.03 (9April2015) SCUR Form

Sample Condition Upon Receipt

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

Pace Analytical™

Project #: **WO#: 40121410**

40121410

Client Name: REI

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: Waltco

Tracking #: 872203-143

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

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

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

Thermometer Used N/A **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: /Corr: ROI **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Person examining contents:
Date: 9/19/15
Initials: CP

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

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☒Yes ☐No ☐N/A	6. PAH CP 9/19/15
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☒No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☐Yes ☒No ☐N/A	12. refer to attached page for details CP 9/19/15
-Includes date/time/ID/Analysis Matrix: S+W		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☒N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☒Yes ☐No	Initial when completed / Lab Std #ID of preservative / Date/Time:
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	14.
Trip Blank Present:	☒Yes ☐No ☐N/A	15.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 42715-3CCL & 256		

If checked, see attached form for additional comments ☒

Client Notification/ Resolution:
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 9-21-15

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

December 01, 2015

DAVID LARSEN
REI
4080 NORTH 20TH AVENUE
Wausau, WI 54401

RE: Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Dear DAVID LARSEN:
Enclosed are the analytical results for sample(s) received by the laboratory on November 13, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Brian Basten
brian.basten@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
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CERTIFICATIONS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP ID: 460263
Virginia VELAP Certification ID: 460263
Wisconsin Certification #: 405132750

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Green Bay, WI 54302
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SAMPLE SUMMARY

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40124714001	**MW1-LDF**	Water	11/10/15 14:30	11/13/15 08:50
40124714002	**MW2-LDF**	Water	11/10/15 13:20	11/13/15 08:50
40124714003	**MW3-LDF**	Water	11/10/15 13:50	11/13/15 08:50
40124714004	**MW19**	Water	11/11/15 11:20	11/13/15 08:50
40124714005	**MW19 @ 35-40**	Water	11/11/15 12:00	11/13/15 08:50
40124714006	**MW20**	Water	11/11/15 12:45	11/13/15 08:50
40124714007	**MW20 @ 20-25**	Water	11/11/15 13:30	11/13/15 08:50
40124714008	**MW21**	Water	11/11/15 10:45	11/13/15 08:50
40124714009	**MW21 @ 35-40**	Water	11/11/15 10:20	11/13/15 08:50

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SAMPLE ANALYTE COUNT

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40124714001	**MW1-LDF**	EPA 6010	DLB	3
		EPA 8260	LAP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714002	**MW2-LDF**	EPA 6010	DLB	3
		EPA 8260	LAP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714003	**MW3-LDF**	EPA 6010	DLB	3
		EPA 8260	LAP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714004	**MW19**	EPA 6010	DLB	3
		EPA 8260	LAP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714005	**MW19 @ 35-40**	EPA 6010	DLB	3
		EPA 8260	LAP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714006	**MW20**	EPA 6010	DLB	3
		EPA 8260	LAP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714007	**MW20 @ 20-25**	EPA 6010	DLB	3
		EPA 8260	AJP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714008	**MW21**	EPA 6010	DLB	3
		EPA 8260	AJP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1
40124714009	**MW21 @ 35-40**	EPA 6010	DLB	3
		EPA 8260	AJP	64
		EPA 300.0	HMB	1
		EPA 353.2	DAW	1

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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW1-LDF **Lab ID: 40124714001** Collected: 11/10/15 14:30 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**1.2J**	ug/L	5.0	0.60	1		11/23/15 15:52	7440-43-9	B
Iron, Dissolved	**204**	ug/L	100	12.9	1		11/23/15 15:52	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/23/15 15:52	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 01:51	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		11/17/15 01:51	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		11/17/15 01:51	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 01:51	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		11/17/15 01:51	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		11/17/15 01:51	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		11/17/15 01:51	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		11/17/15 01:51	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		11/17/15 01:51	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		11/17/15 01:51	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		11/17/15 01:51	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		11/17/15 01:51	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/17/15 01:51	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		11/17/15 01:51	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		11/17/15 01:51	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 01:51	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 01:51	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		11/17/15 01:51	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		11/17/15 01:51	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		11/17/15 01:51	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 01:51	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 01:51	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		11/17/15 01:51	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		11/17/15 01:51	75-09-2	

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW1-LDF **Lab ID: 40124714001** Collected: 11/10/15 14:30 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		11/17/15 01:51	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		11/17/15 01:51	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 01:51	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		11/17/15 01:51	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 01:51	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 01:51	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		11/17/15 01:51	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		11/17/15 01:51	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 01:51	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		11/17/15 01:51	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		11/17/15 01:51	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 01:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		11/17/15 01:51	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		11/17/15 01:51	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		11/17/15 01:51	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**21.2**	mg/L	20.0	10.0	5		11/30/15 20:37	14808-79-8	
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**<0.095**	mg/L	0.25	0.095	1		11/24/15 12:25		

Sample: MW2-LDF **Lab ID: 40124714002** Collected: 11/10/15 13:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**1.2J**	ug/L	5.0	0.60	1		11/23/15 15:59	7440-43-9	B
Iron, Dissolved	**16.3J**	ug/L	100	12.9	1		11/23/15 15:59	7439-89-6	
Lead, Dissolved	**3.2J**	ug/L	7.5	3.0	1		11/23/15 15:59	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:13	108-86-1	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW2-LDF **Lab ID: 40124714002** Collected: 11/10/15 13:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		11/17/15 02:13	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		11/17/15 02:13	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:13	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:13	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		11/17/15 02:13	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		11/17/15 02:13	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		11/17/15 02:13	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:13	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:13	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		11/17/15 02:13	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		11/17/15 02:13	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/17/15 02:13	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		11/17/15 02:13	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		11/17/15 02:13	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 02:13	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 02:13	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:13	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		11/17/15 02:13	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		11/17/15 02:13	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:13	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 02:13	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		11/17/15 02:13	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:13	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		11/17/15 02:13	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		11/17/15 02:13	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:13	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		11/17/15 02:13	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	127-18-4	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW2-LDF **Lab ID: 40124714002** Collected: 11/10/15 13:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 02:13	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:13	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		11/17/15 02:13	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		11/17/15 02:13	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:13	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:13	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		11/17/15 02:13	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		11/17/15 02:13	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		11/17/15 02:13	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		11/17/15 02:13	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**22.8**	mg/L	4.0	2.0	1		11/30/15 20:48	14808-79-8	
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**0.48**	mg/L	0.25	0.095	1		11/24/15 12:25		

Sample: MW3-LDF **Lab ID: 40124714003** Collected: 11/10/15 13:50 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**1.4J**	ug/L	5.0	0.60	1		11/23/15 16:01	7440-43-9	B
Iron, Dissolved	**<12.9**	ug/L	100	12.9	1		11/23/15 16:01	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/23/15 16:01	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:36	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		11/17/15 02:36	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		11/17/15 02:36	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:36	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:36	98-06-6	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW3-LDF **Lab ID: 40124714003** Collected: 11/10/15 13:50 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		11/17/15 02:36	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		11/17/15 02:36	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		11/17/15 02:36	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:36	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:36	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		11/17/15 02:36	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		11/17/15 02:36	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/17/15 02:36	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		11/17/15 02:36	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		11/17/15 02:36	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 02:36	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 02:36	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:36	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		11/17/15 02:36	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		11/17/15 02:36	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:36	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 02:36	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		11/17/15 02:36	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:36	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		11/17/15 02:36	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		11/17/15 02:36	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:36	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		11/17/15 02:36	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 02:36	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:36	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		11/17/15 02:36	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		11/17/15 02:36	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:36	75-69-4	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW3-LDF **Lab ID: 40124714003** Collected: 11/10/15 13:50 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:36	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		11/17/15 02:36	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/17/15 02:36	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		11/17/15 02:36	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		11/17/15 02:36	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**2.8J**	mg/L	4.0	2.0	1		11/30/15 21:00	14808-79-8	
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**0.35**	mg/L	0.25	0.095	1		11/24/15 12:26		

Sample: MW19 **Lab ID: 40124714004** Collected: 11/11/15 11:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**0.90J**	ug/L	5.0	0.60	1		11/23/15 16:04	7440-43-9	B
Iron, Dissolved	**704**	ug/L	100	12.9	1		11/23/15 16:04	7439-89-6	
Lead, Dissolved	**3.4J**	ug/L	7.5	3.0	1		11/23/15 16:04	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:58	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		11/17/15 02:58	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		11/17/15 02:58	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:58	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:58	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		11/17/15 02:58	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		11/17/15 02:58	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		11/17/15 02:58	106-43-4	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW19 **Lab ID: 40124714004** Collected: 11/11/15 11:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:58	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:58	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		11/17/15 02:58	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		11/17/15 02:58	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		11/17/15 02:58	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		11/17/15 02:58	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		11/17/15 02:58	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 02:58	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		11/17/15 02:58	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:58	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		11/17/15 02:58	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		11/17/15 02:58	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:58	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 02:58	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		11/17/15 02:58	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		11/17/15 02:58	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		11/17/15 02:58	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		11/17/15 02:58	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:58	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		11/17/15 02:58	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		11/17/15 02:58	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		11/17/15 02:58	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		11/17/15 02:58	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		11/17/15 02:58	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:58	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		11/17/15 02:58	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		11/17/15 02:58	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		11/17/15 02:58	95-47-6	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW19 **Lab ID: 40124714004** Collected: 11/11/15 11:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/17/15 02:58	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		11/17/15 02:58	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		11/17/15 02:58	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**7.0**	mg/L	4.0	2.0	1		11/30/15 21:11	14808-79-8	
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**<0.095**	mg/L	0.25	0.095	1		11/24/15 12:30		

Sample: MW19 @ 35-40 **Lab ID: 40124714005** Collected: 11/11/15 12:00 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**1.1J**	ug/L	5.0	0.60	1		11/23/15 16:06	7440-43-9	B
Iron, Dissolved	**8320**	ug/L	100	12.9	1		11/23/15 16:06	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/23/15 16:06	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**117**	ug/L	5.0	2.5	5		11/17/15 07:56	71-43-2	
Bromobenzene	**<1.2**	ug/L	5.0	1.2	5		11/17/15 07:56	108-86-1	
Bromochloromethane	**<1.7**	ug/L	5.0	1.7	5		11/17/15 07:56	74-97-5	
Bromodichloromethane	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	75-27-4	
Bromoform	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	75-25-2	
Bromomethane	**<12.2**	ug/L	25.0	12.2	5		11/17/15 07:56	74-83-9	
n-Butylbenzene	**3.7J**	ug/L	5.0	2.5	5		11/17/15 07:56	104-51-8	
sec-Butylbenzene	**<10.9**	ug/L	25.0	10.9	5		11/17/15 07:56	135-98-8	
tert-Butylbenzene	**<0.90**	ug/L	5.0	0.90	5		11/17/15 07:56	98-06-6	
Carbon tetrachloride	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	56-23-5	
Chlorobenzene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	108-90-7	
Chloroethane	**<1.9**	ug/L	5.0	1.9	5		11/17/15 07:56	75-00-3	
Chloroform	**<12.5**	ug/L	25.0	12.5	5		11/17/15 07:56	67-66-3	
Chloromethane	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	74-87-3	
2-Chlorotoluene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	95-49-8	
4-Chlorotoluene	**<1.1**	ug/L	5.0	1.1	5		11/17/15 07:56	106-43-4	
1,2-Dibromo-3-chloropropane	**<10.8**	ug/L	25.0	10.8	5		11/17/15 07:56	96-12-8	
Dibromochloromethane	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	124-48-1	
1,2-Dibromoethane (EDB)	**<0.89**	ug/L	5.0	0.89	5		11/17/15 07:56	106-93-4	
Dibromomethane	**<2.1**	ug/L	5.0	2.1	5		11/17/15 07:56	74-95-3	
1,2-Dichlorobenzene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	95-50-1	
1,3-Dichlorobenzene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	541-73-1	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW19 @ 35-40 **Lab ID: 40124714005** Collected: 11/11/15 12:00 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	106-46-7	
Dichlorodifluoromethane	**<1.1**	ug/L	5.0	1.1	5		11/17/15 07:56	75-71-8	
1,1-Dichloroethane	**<1.2**	ug/L	5.0	1.2	5		11/17/15 07:56	75-34-3	
1,2-Dichloroethane	**<0.84**	ug/L	5.0	0.84	5		11/17/15 07:56	107-06-2	
1,1-Dichloroethene	**<2.1**	ug/L	5.0	2.1	5		11/17/15 07:56	75-35-4	
cis-1,2-Dichloroethene	**<1.3**	ug/L	5.0	1.3	5		11/17/15 07:56	156-59-2	
trans-1,2-Dichloroethene	**<1.3**	ug/L	5.0	1.3	5		11/17/15 07:56	156-60-5	
1,2-Dichloropropane	**<1.2**	ug/L	5.0	1.2	5		11/17/15 07:56	78-87-5	
1,3-Dichloropropane	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	142-28-9	
2,2-Dichloropropane	**<2.4**	ug/L	5.0	2.4	5		11/17/15 07:56	594-20-7	
1,1-Dichloropropene	**<2.2**	ug/L	5.0	2.2	5		11/17/15 07:56	563-58-6	
cis-1,3-Dichloropropene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	10061-01-5	
trans-1,3-Dichloropropene	**<1.1**	ug/L	5.0	1.1	5		11/17/15 07:56	10061-02-6	
Diisopropyl ether	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	108-20-3	
Ethylbenzene	**395**	ug/L	5.0	2.5	5		11/17/15 07:56	100-41-4	
Hexachloro-1,3-butadiene	**<10.5**	ug/L	25.0	10.5	5		11/17/15 07:56	87-68-3	
Isopropylbenzene (Cumene)	**12.2**	ug/L	5.0	0.72	5		11/17/15 07:56	98-82-8	
p-Isopropyltoluene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	99-87-6	
Methylene Chloride	**<1.2**	ug/L	5.0	1.2	5		11/17/15 07:56	75-09-2	
Methyl-tert-butyl ether	**<0.87**	ug/L	5.0	0.87	5		11/17/15 07:56	1634-04-4	
Naphthalene	**75.1**	ug/L	25.0	12.5	5		11/17/15 07:56	91-20-3	
n-Propylbenzene	**35.8**	ug/L	5.0	2.5	5		11/17/15 07:56	103-65-1	
Styrene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.90**	ug/L	5.0	0.90	5		11/17/15 07:56	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.2**	ug/L	5.0	1.2	5		11/17/15 07:56	79-34-5	
Tetrachloroethene	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	127-18-4	
Toluene	**39.1**	ug/L	5.0	2.5	5		11/17/15 07:56	108-88-3	
1,2,3-Trichlorobenzene	**<10.7**	ug/L	25.0	10.7	5		11/17/15 07:56	87-61-6	
1,2,4-Trichlorobenzene	**<11.0**	ug/L	25.0	11.0	5		11/17/15 07:56	120-82-1	
1,1,1-Trichloroethane	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	71-55-6	
1,1,2-Trichloroethane	**<0.99**	ug/L	5.0	0.99	5		11/17/15 07:56	79-00-5	
Trichloroethene	**<1.7**	ug/L	5.0	1.7	5		11/17/15 07:56	79-01-6	
Trichlorofluoromethane	**<0.92**	ug/L	5.0	0.92	5		11/17/15 07:56	75-69-4	
1,2,3-Trichloropropane	**<2.5**	ug/L	5.0	2.5	5		11/17/15 07:56	96-18-4	
1,2,4-Trimethylbenzene	**133**	ug/L	5.0	2.5	5		11/17/15 07:56	95-63-6	
1,3,5-Trimethylbenzene	**32.8**	ug/L	5.0	2.5	5		11/17/15 07:56	108-67-8	
Vinyl chloride	**<0.88**	ug/L	5.0	0.88	5		11/17/15 07:56	75-01-4	
m&p-Xylene	**885**	ug/L	10.0	5.0	5		11/17/15 07:56	179601-23-1	
o-Xylene	**13.1**	ug/L	5.0	2.5	5		11/17/15 07:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		5		11/17/15 07:56	460-00-4	
Dibromofluoromethane (S)	92	%	70-130		5		11/17/15 07:56	1868-53-7	
Toluene-d8 (S)	90	%	70-130		5		11/17/15 07:56	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**10.8J**	mg/L	20.0	10.0	5		11/30/15 21:23	14808-79-8	D3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW19 @ 35-40 **Lab ID: 40124714005** Collected: 11/11/15 12:00 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**<0.095**	mg/L	0.25	0.095	1		11/24/15 12:31		

Sample: MW20 **Lab ID: 40124714006** Collected: 11/11/15 12:45 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**1.7J**	ug/L	5.0	0.60	1		11/23/15 16:09	7440-43-9	B
Iron, Dissolved	**1440**	ug/L	100	12.9	1		11/23/15 16:09	7439-89-6	
Lead, Dissolved	**20.7**	ug/L	7.5	3.0	1		11/23/15 16:09	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**10100**	ug/L	200	100	200		11/17/15 03:43	71-43-2	
Bromobenzene	**<46.0**	ug/L	200	46.0	200		11/17/15 03:43	108-86-1	
Bromochloromethane	**<68.1**	ug/L	200	68.1	200		11/17/15 03:43	74-97-5	
Bromodichloromethane	**<100**	ug/L	200	100	200		11/17/15 03:43	75-27-4	
Bromoform	**<100**	ug/L	200	100	200		11/17/15 03:43	75-25-2	
Bromomethane	**<487**	ug/L	1000	487	200		11/17/15 03:43	74-83-9	
n-Butylbenzene	**<100**	ug/L	200	100	200		11/17/15 03:43	104-51-8	
sec-Butylbenzene	**<437**	ug/L	1000	437	200		11/17/15 03:43	135-98-8	
tert-Butylbenzene	**<36.1**	ug/L	200	36.1	200		11/17/15 03:43	98-06-6	
Carbon tetrachloride	**<100**	ug/L	200	100	200		11/17/15 03:43	56-23-5	
Chlorobenzene	**<100**	ug/L	200	100	200		11/17/15 03:43	108-90-7	
Chloroethane	**<74.9**	ug/L	200	74.9	200		11/17/15 03:43	75-00-3	
Chloroform	**<500**	ug/L	1000	500	200		11/17/15 03:43	67-66-3	
Chloromethane	**<100**	ug/L	200	100	200		11/17/15 03:43	74-87-3	
2-Chlorotoluene	**<100**	ug/L	200	100	200		11/17/15 03:43	95-49-8	
4-Chlorotoluene	**<42.7**	ug/L	200	42.7	200		11/17/15 03:43	106-43-4	
1,2-Dibromo-3-chloropropane	**<433**	ug/L	1000	433	200		11/17/15 03:43	96-12-8	
Dibromochloromethane	**<100**	ug/L	200	100	200		11/17/15 03:43	124-48-1	
1,2-Dibromoethane (EDB)	**<35.6**	ug/L	200	35.6	200		11/17/15 03:43	106-93-4	
Dibromomethane	**<85.3**	ug/L	200	85.3	200		11/17/15 03:43	74-95-3	
1,2-Dichlorobenzene	**<100**	ug/L	200	100	200		11/17/15 03:43	95-50-1	
1,3-Dichlorobenzene	**<100**	ug/L	200	100	200		11/17/15 03:43	541-73-1	
1,4-Dichlorobenzene	**<100**	ug/L	200	100	200		11/17/15 03:43	106-46-7	
Dichlorodifluoromethane	**<44.8**	ug/L	200	44.8	200		11/17/15 03:43	75-71-8	
1,1-Dichloroethane	**<48.3**	ug/L	200	48.3	200		11/17/15 03:43	75-34-3	
1,2-Dichloroethane	**<33.6**	ug/L	200	33.6	200		11/17/15 03:43	107-06-2	
1,1-Dichloroethene	**<82.0**	ug/L	200	82.0	200		11/17/15 03:43	75-35-4	
cis-1,2-Dichloroethene	**<51.2**	ug/L	200	51.2	200		11/17/15 03:43	156-59-2	
trans-1,2-Dichloroethene	**<51.3**	ug/L	200	51.3	200		11/17/15 03:43	156-60-5	
1,2-Dichloropropane	**<46.6**	ug/L	200	46.6	200		11/17/15 03:43	78-87-5	
1,3-Dichloropropane	**<100**	ug/L	200	100	200		11/17/15 03:43	142-28-9	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW20 **Lab ID: 40124714006** Collected: 11/11/15 12:45 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2,2-Dichloropropane	**<96.8**	ug/L	200	96.8	200		11/17/15 03:43	594-20-7	
1,1-Dichloropropene	**<88.2**	ug/L	200	88.2	200		11/17/15 03:43	563-58-6	
cis-1,3-Dichloropropene	**<100**	ug/L	200	100	200		11/17/15 03:43	10061-01-5	
trans-1,3-Dichloropropene	**<45.9**	ug/L	200	45.9	200		11/17/15 03:43	10061-02-6	
Diisopropyl ether	**<100**	ug/L	200	100	200		11/17/15 03:43	108-20-3	
Ethylbenzene	**3180**	ug/L	200	100	200		11/17/15 03:43	100-41-4	
Hexachloro-1,3-butadiene	**<421**	ug/L	1000	421	200		11/17/15 03:43	87-68-3	
Isopropylbenzene (Cumene)	**64.3J**	ug/L	200	28.7	200		11/17/15 03:43	98-82-8	
p-Isopropyltoluene	**<100**	ug/L	200	100	200		11/17/15 03:43	99-87-6	
Methylene Chloride	**<46.5**	ug/L	200	46.5	200		11/17/15 03:43	75-09-2	
Methyl-tert-butyl ether	**<34.8**	ug/L	200	34.8	200		11/17/15 03:43	1634-04-4	
Naphthalene	**654J**	ug/L	1000	500	200		11/17/15 03:43	91-20-3	
n-Propylbenzene	**192J**	ug/L	200	100	200		11/17/15 03:43	103-65-1	
Styrene	**<100**	ug/L	200	100	200		11/17/15 03:43	100-42-5	
1,1,1,2-Tetrachloroethane	**<36.1**	ug/L	200	36.1	200		11/17/15 03:43	630-20-6	
1,1,2,2-Tetrachloroethane	**<49.9**	ug/L	200	49.9	200		11/17/15 03:43	79-34-5	
Tetrachloroethene	**<100**	ug/L	200	100	200		11/17/15 03:43	127-18-4	
Toluene	**35800**	ug/L	200	100	200		11/17/15 03:43	108-88-3	
1,2,3-Trichlorobenzene	**<427**	ug/L	1000	427	200		11/17/15 03:43	87-61-6	
1,2,4-Trichlorobenzene	**<442**	ug/L	1000	442	200		11/17/15 03:43	120-82-1	
1,1,1-Trichloroethane	**<100**	ug/L	200	100	200		11/17/15 03:43	71-55-6	
1,1,2-Trichloroethane	**<39.5**	ug/L	200	39.5	200		11/17/15 03:43	79-00-5	
Trichloroethene	**<66.1**	ug/L	200	66.1	200		11/17/15 03:43	79-01-6	
Trichlorofluoromethane	**<37.0**	ug/L	200	37.0	200		11/17/15 03:43	75-69-4	
1,2,3-Trichloropropane	**<100**	ug/L	200	100	200		11/17/15 03:43	96-18-4	
1,2,4-Trimethylbenzene	**1520**	ug/L	200	100	200		11/17/15 03:43	95-63-6	
1,3,5-Trimethylbenzene	**419**	ug/L	200	100	200		11/17/15 03:43	108-67-8	
Vinyl chloride	**<35.1**	ug/L	200	35.1	200		11/17/15 03:43	75-01-4	
m&p-Xylene	**13300**	ug/L	400	200	200		11/17/15 03:43	179601-23-1	
o-Xylene	**5930**	ug/L	200	100	200		11/17/15 03:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		200		11/17/15 03:43	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		200		11/17/15 03:43	1868-53-7	
Toluene-d8 (S)	94	%	70-130		200		11/17/15 03:43	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**<10.0**	mg/L	20.0	10.0	5		11/30/15 21:35	14808-79-8	D3
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**<0.095**	mg/L	0.25	0.095	1		12/01/15 11:13		

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW20 @ 20-25 **Lab ID: 40124714007** Collected: 11/11/15 13:30 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**0.86J**	ug/L	5.0	0.60	1		11/23/15 16:16	7440-43-9	B
Iron, Dissolved	**6130**	ug/L	100	12.9	1		11/23/15 16:16	7439-89-6	
Lead, Dissolved	**31.5**	ug/L	7.5	3.0	1		11/23/15 16:16	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**17600**	ug/L	125	62.5	125		11/16/15 23:49	71-43-2	
Bromobenzene	**<28.8**	ug/L	125	28.8	125		11/16/15 23:49	108-86-1	
Bromochloromethane	**<42.5**	ug/L	125	42.5	125		11/16/15 23:49	74-97-5	
Bromodichloromethane	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	75-27-4	
Bromoform	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	75-25-2	
Bromomethane	**<304**	ug/L	625	304	125		11/16/15 23:49	74-83-9	
n-Butylbenzene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	104-51-8	
sec-Butylbenzene	**<273**	ug/L	625	273	125		11/16/15 23:49	135-98-8	
tert-Butylbenzene	**<22.5**	ug/L	125	22.5	125		11/16/15 23:49	98-06-6	
Carbon tetrachloride	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	56-23-5	
Chlorobenzene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	108-90-7	
Chloroethane	**<46.8**	ug/L	125	46.8	125		11/16/15 23:49	75-00-3	
Chloroform	**<312**	ug/L	625	312	125		11/16/15 23:49	67-66-3	
Chloromethane	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	74-87-3	
2-Chlorotoluene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	95-49-8	
4-Chlorotoluene	**<26.7**	ug/L	125	26.7	125		11/16/15 23:49	106-43-4	
1,2-Dibromo-3-chloropropane	**<271**	ug/L	625	271	125		11/16/15 23:49	96-12-8	
Dibromochloromethane	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	124-48-1	
1,2-Dibromoethane (EDB)	**64.0J**	ug/L	125	22.2	125		11/16/15 23:49	106-93-4	
Dibromomethane	**<53.3**	ug/L	125	53.3	125		11/16/15 23:49	74-95-3	
1,2-Dichlorobenzene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	95-50-1	
1,3-Dichlorobenzene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	541-73-1	
1,4-Dichlorobenzene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	106-46-7	
Dichlorodifluoromethane	**<28.0**	ug/L	125	28.0	125		11/16/15 23:49	75-71-8	
1,1-Dichloroethane	**<30.2**	ug/L	125	30.2	125		11/16/15 23:49	75-34-3	
1,2-Dichloroethane	**<21.0**	ug/L	125	21.0	125		11/16/15 23:49	107-06-2	
1,1-Dichloroethene	**<51.3**	ug/L	125	51.3	125		11/16/15 23:49	75-35-4	
cis-1,2-Dichloroethene	**<32.0**	ug/L	125	32.0	125		11/16/15 23:49	156-59-2	
trans-1,2-Dichloroethene	**<32.1**	ug/L	125	32.1	125		11/16/15 23:49	156-60-5	
1,2-Dichloropropane	**<29.1**	ug/L	125	29.1	125		11/16/15 23:49	78-87-5	
1,3-Dichloropropane	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	142-28-9	
2,2-Dichloropropane	**<60.5**	ug/L	125	60.5	125		11/16/15 23:49	594-20-7	
1,1-Dichloropropene	**<55.1**	ug/L	125	55.1	125		11/16/15 23:49	563-58-6	
cis-1,3-Dichloropropene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	10061-01-5	
trans-1,3-Dichloropropene	**<28.7**	ug/L	125	28.7	125		11/16/15 23:49	10061-02-6	
Diisopropyl ether	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	108-20-3	
Ethylbenzene	**2640**	ug/L	125	62.5	125		11/16/15 23:49	100-41-4	
Hexachloro-1,3-butadiene	**<263**	ug/L	625	263	125		11/16/15 23:49	87-68-3	
Isopropylbenzene (Cumene)	**54.4J**	ug/L	125	17.9	125		11/16/15 23:49	98-82-8	
p-Isopropyltoluene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	99-87-6	
Methylene Chloride	**114J**	ug/L	125	29.1	125		11/16/15 23:49	75-09-2	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW20 @ 20-25 **Lab ID: 40124714007** Collected: 11/11/15 13:30 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<21.8**	ug/L	125	21.8	125		11/16/15 23:49	1634-04-4	
Naphthalene	**381J**	ug/L	625	312	125		11/16/15 23:49	91-20-3	
n-Propylbenzene	**168**	ug/L	125	62.5	125		11/16/15 23:49	103-65-1	
Styrene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	100-42-5	
1,1,1,2-Tetrachloroethane	**<22.6**	ug/L	125	22.6	125		11/16/15 23:49	630-20-6	
1,1,2,2-Tetrachloroethane	**<31.2**	ug/L	125	31.2	125		11/16/15 23:49	79-34-5	
Tetrachloroethene	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	127-18-4	
Toluene	**21600**	ug/L	125	62.5	125		11/16/15 23:49	108-88-3	
1,2,3-Trichlorobenzene	**<267**	ug/L	625	267	125		11/16/15 23:49	87-61-6	
1,2,4-Trichlorobenzene	**<276**	ug/L	625	276	125		11/16/15 23:49	120-82-1	
1,1,1-Trichloroethane	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	71-55-6	
1,1,2-Trichloroethane	**<24.7**	ug/L	125	24.7	125		11/16/15 23:49	79-00-5	
Trichloroethene	**<41.3**	ug/L	125	41.3	125		11/16/15 23:49	79-01-6	
Trichlorofluoromethane	**<23.1**	ug/L	125	23.1	125		11/16/15 23:49	75-69-4	
1,2,3-Trichloropropane	**<62.5**	ug/L	125	62.5	125		11/16/15 23:49	96-18-4	
1,2,4-Trimethylbenzene	**1410**	ug/L	125	62.5	125		11/16/15 23:49	95-63-6	
1,3,5-Trimethylbenzene	**383**	ug/L	125	62.5	125		11/16/15 23:49	108-67-8	
Vinyl chloride	**<21.9**	ug/L	125	21.9	125		11/16/15 23:49	75-01-4	
m&p-Xylene	**9410**	ug/L	250	125	125		11/16/15 23:49	179601-23-1	
o-Xylene	**4650**	ug/L	125	62.5	125		11/16/15 23:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		125		11/16/15 23:49	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		125		11/16/15 23:49	1868-53-7	
Toluene-d8 (S)	104	%	70-130		125		11/16/15 23:49	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**<10.0**	mg/L	20.0	10.0	5		11/30/15 21:46	14808-79-8	D3
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**<0.095**	mg/L	0.25	0.095	1		12/01/15 11:13		

Sample: MW21 **Lab ID: 40124714008** Collected: 11/11/15 10:45 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**0.69J**	ug/L	5.0	0.60	1		11/23/15 16:19	7440-43-9	B
Iron, Dissolved	**27900**	ug/L	100	12.9	1		11/23/15 16:19	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/23/15 16:19	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**632**	ug/L	25.0	12.5	25		11/17/15 00:11	71-43-2	
Bromobenzene	**<5.8**	ug/L	25.0	5.8	25		11/17/15 00:11	108-86-1	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW21 **Lab ID: 40124714008** Collected: 11/11/15 10:45 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromochloromethane	**<8.5**	ug/L	25.0	8.5	25		11/17/15 00:11	74-97-5	
Bromodichloromethane	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	75-27-4	
Bromoform	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	75-25-2	
Bromomethane	**<60.9**	ug/L	125	60.9	25		11/17/15 00:11	74-83-9	
n-Butylbenzene	**46.3**	ug/L	25.0	12.5	25		11/17/15 00:11	104-51-8	
sec-Butylbenzene	**<54.7**	ug/L	125	54.7	25		11/17/15 00:11	135-98-8	
tert-Butylbenzene	**<4.5**	ug/L	25.0	4.5	25		11/17/15 00:11	98-06-6	
Carbon tetrachloride	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	56-23-5	
Chlorobenzene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	108-90-7	
Chloroethane	**<9.4**	ug/L	25.0	9.4	25		11/17/15 00:11	75-00-3	
Chloroform	**<62.5**	ug/L	125	62.5	25		11/17/15 00:11	67-66-3	
Chloromethane	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	74-87-3	
2-Chlorotoluene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	95-49-8	
4-Chlorotoluene	**<5.3**	ug/L	25.0	5.3	25		11/17/15 00:11	106-43-4	
1,2-Dibromo-3-chloropropane	**<54.1**	ug/L	125	54.1	25		11/17/15 00:11	96-12-8	
Dibromochloromethane	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	124-48-1	
1,2-Dibromoethane (EDB)	**<4.4**	ug/L	25.0	4.4	25		11/17/15 00:11	106-93-4	
Dibromomethane	**<10.7**	ug/L	25.0	10.7	25		11/17/15 00:11	74-95-3	
1,2-Dichlorobenzene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	95-50-1	
1,3-Dichlorobenzene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	541-73-1	
1,4-Dichlorobenzene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	106-46-7	
Dichlorodifluoromethane	**<5.6**	ug/L	25.0	5.6	25		11/17/15 00:11	75-71-8	
1,1-Dichloroethane	**<6.0**	ug/L	25.0	6.0	25		11/17/15 00:11	75-34-3	
1,2-Dichloroethane	**<4.2**	ug/L	25.0	4.2	25		11/17/15 00:11	107-06-2	
1,1-Dichloroethene	**<10.3**	ug/L	25.0	10.3	25		11/17/15 00:11	75-35-4	
cis-1,2-Dichloroethene	**<6.4**	ug/L	25.0	6.4	25		11/17/15 00:11	156-59-2	
trans-1,2-Dichloroethene	**<6.4**	ug/L	25.0	6.4	25		11/17/15 00:11	156-60-5	
1,2-Dichloropropane	**<5.8**	ug/L	25.0	5.8	25		11/17/15 00:11	78-87-5	
1,3-Dichloropropane	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	142-28-9	
2,2-Dichloropropane	**<12.1**	ug/L	25.0	12.1	25		11/17/15 00:11	594-20-7	
1,1-Dichloropropene	**<11.0**	ug/L	25.0	11.0	25		11/17/15 00:11	563-58-6	
cis-1,3-Dichloropropene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	10061-01-5	
trans-1,3-Dichloropropene	**<5.7**	ug/L	25.0	5.7	25		11/17/15 00:11	10061-02-6	
Diisopropyl ether	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	108-20-3	
Ethylbenzene	**2600**	ug/L	25.0	12.5	25		11/17/15 00:11	100-41-4	
Hexachloro-1,3-butadiene	**<52.6**	ug/L	125	52.6	25		11/17/15 00:11	87-68-3	
Isopropylbenzene (Cumene)	**66.1**	ug/L	25.0	3.6	25		11/17/15 00:11	98-82-8	
p-Isopropyltoluene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	99-87-6	
Methylene Chloride	**<5.8**	ug/L	25.0	5.8	25		11/17/15 00:11	75-09-2	
Methyl-tert-butyl ether	**<4.4**	ug/L	25.0	4.4	25		11/17/15 00:11	1634-04-4	
Naphthalene	**640**	ug/L	125	62.5	25		11/17/15 00:11	91-20-3	
n-Propylbenzene	**228**	ug/L	25.0	12.5	25		11/17/15 00:11	103-65-1	
Styrene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	100-42-5	
1,1,1,2-Tetrachloroethane	**<4.5**	ug/L	25.0	4.5	25		11/17/15 00:11	630-20-6	
1,1,2,2-Tetrachloroethane	**<6.2**	ug/L	25.0	6.2	25		11/17/15 00:11	79-34-5	
Tetrachloroethene	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	127-18-4	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW21 **Lab ID: 40124714008** Collected: 11/11/15 10:45 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**2510**	ug/L	25.0	12.5	25		11/17/15 00:11	108-88-3	
1,2,3-Trichlorobenzene	**<53.3**	ug/L	125	53.3	25		11/17/15 00:11	87-61-6	
1,2,4-Trichlorobenzene	**<55.2**	ug/L	125	55.2	25		11/17/15 00:11	120-82-1	
1,1,1-Trichloroethane	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	71-55-6	
1,1,2-Trichloroethane	**<4.9**	ug/L	25.0	4.9	25		11/17/15 00:11	79-00-5	
Trichloroethene	**<8.3**	ug/L	25.0	8.3	25		11/17/15 00:11	79-01-6	
Trichlorofluoromethane	**<4.6**	ug/L	25.0	4.6	25		11/17/15 00:11	75-69-4	
1,2,3-Trichloropropane	**<12.5**	ug/L	25.0	12.5	25		11/17/15 00:11	96-18-4	
1,2,4-Trimethylbenzene	**1910**	ug/L	25.0	12.5	25		11/17/15 00:11	95-63-6	
1,3,5-Trimethylbenzene	**525**	ug/L	25.0	12.5	25		11/17/15 00:11	108-67-8	
Vinyl chloride	**<4.4**	ug/L	25.0	4.4	25		11/17/15 00:11	75-01-4	
m&p-Xylene	**6730**	ug/L	50.0	25.0	25		11/17/15 00:11	179601-23-1	
o-Xylene	**1840**	ug/L	25.0	12.5	25		11/17/15 00:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		25		11/17/15 00:11	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		25		11/17/15 00:11	1868-53-7	
Toluene-d8 (S)	104	%	70-130		25		11/17/15 00:11	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**<10.0**	mg/L	20.0	10.0	5		11/30/15 21:58	14808-79-8	D3
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**<0.095**	mg/L	0.25	0.095	1		12/01/15 11:17		

Sample: MW21 @ 35-40 **Lab ID: 40124714009** Collected: 11/11/15 10:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Cadmium, Dissolved	**<0.60**	ug/L	5.0	0.60	1		11/23/15 16:21	7440-43-9	
Iron, Dissolved	**44600**	ug/L	100	12.9	1		11/23/15 16:21	7439-89-6	
Lead, Dissolved	**<3.0**	ug/L	7.5	3.0	1		11/23/15 16:21	7439-92-1	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**1110**	ug/L	10.0	5.0	10		11/17/15 00:33	71-43-2	
Bromobenzene	**<2.3**	ug/L	10.0	2.3	10		11/17/15 00:33	108-86-1	
Bromochloromethane	**<3.4**	ug/L	10.0	3.4	10		11/17/15 00:33	74-97-5	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		11/17/15 00:33	74-83-9	
n-Butylbenzene	**14.6**	ug/L	10.0	5.0	10		11/17/15 00:33	104-51-8	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		11/17/15 00:33	135-98-8	
tert-Butylbenzene	**<1.8**	ug/L	10.0	1.8	10		11/17/15 00:33	98-06-6	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW21 @ 35-40 **Lab ID: 40124714009** Collected: 11/11/15 10:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		11/17/15 00:33	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		11/17/15 00:33	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	74-87-3	
2-Chlorotoluene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	95-49-8	
4-Chlorotoluene	**<2.1**	ug/L	10.0	2.1	10		11/17/15 00:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		11/17/15 00:33	96-12-8	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	124-48-1	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		11/17/15 00:33	106-93-4	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		11/17/15 00:33	74-95-3	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	95-50-1	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	106-46-7	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		11/17/15 00:33	75-71-8	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		11/17/15 00:33	75-34-3	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		11/17/15 00:33	107-06-2	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		11/17/15 00:33	75-35-4	
cis-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		11/17/15 00:33	156-59-2	
trans-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		11/17/15 00:33	156-60-5	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		11/17/15 00:33	78-87-5	
1,3-Dichloropropane	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	142-28-9	
2,2-Dichloropropane	**<4.8**	ug/L	10.0	4.8	10		11/17/15 00:33	594-20-7	
1,1-Dichloropropene	**<4.4**	ug/L	10.0	4.4	10		11/17/15 00:33	563-58-6	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	10061-01-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		11/17/15 00:33	10061-02-6	
Diisopropyl ether	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	108-20-3	
Ethylbenzene	**274**	ug/L	10.0	5.0	10		11/17/15 00:33	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		11/17/15 00:33	87-68-3	
Isopropylbenzene (Cumene)	**9.0J**	ug/L	10.0	1.4	10		11/17/15 00:33	98-82-8	
p-Isopropyltoluene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	99-87-6	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		11/17/15 00:33	75-09-2	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		11/17/15 00:33	1634-04-4	
Naphthalene	**63.1**	ug/L	50.0	25.0	10		11/17/15 00:33	91-20-3	
n-Propylbenzene	**31.4**	ug/L	10.0	5.0	10		11/17/15 00:33	103-65-1	
Styrene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	10.0	1.8	10		11/17/15 00:33	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		11/17/15 00:33	79-34-5	
Tetrachloroethene	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	127-18-4	
Toluene	**686**	ug/L	10.0	5.0	10		11/17/15 00:33	108-88-3	
1,2,3-Trichlorobenzene	**<21.3**	ug/L	50.0	21.3	10		11/17/15 00:33	87-61-6	
1,2,4-Trichlorobenzene	**<22.1**	ug/L	50.0	22.1	10		11/17/15 00:33	120-82-1	
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	71-55-6	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		11/17/15 00:33	79-00-5	
Trichloroethene	**<3.3**	ug/L	10.0	3.3	10		11/17/15 00:33	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		11/17/15 00:33	75-69-4	

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ANALYTICAL RESULTS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Sample: MW21 @ 35-40 **Lab ID: 40124714009** Collected: 11/11/15 10:20 Received: 11/13/15 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2,3-Trichloropropane	**<5.0**	ug/L	10.0	5.0	10		11/17/15 00:33	96-18-4	
1,2,4-Trimethylbenzene	**269**	ug/L	10.0	5.0	10		11/17/15 00:33	95-63-6	
1,3,5-Trimethylbenzene	**70.5**	ug/L	10.0	5.0	10		11/17/15 00:33	108-67-8	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		11/17/15 00:33	75-01-4	
m&p-Xylene	**1000**	ug/L	20.0	10.0	10		11/17/15 00:33	179601-23-1	
o-Xylene	**406**	ug/L	10.0	5.0	10		11/17/15 00:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		10		11/17/15 00:33	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		10		11/17/15 00:33	1868-53-7	
Toluene-d8 (S)	107	%	70-130		10		11/17/15 00:33	2037-26-5	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Sulfate	**<2.0**	mg/L	4.0	2.0	1		11/30/15 22:32	14808-79-8	
353.2 Nitrogen, Dissolved Pres	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3, Dissolved	**<0.095**	mg/L	0.25	0.095	1		12/01/15 11:18		

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

QC Batch: ICP/11483 | Analysis Method: EPA 6010
QC Batch Method: EPA 6010 | Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005, 40124714006, 40124714007, 40124714008, 40124714009

METHOD BLANK: 1260809 | Matrix: Water
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005, 40124714006, 40124714007, 40124714008, 40124714009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium, Dissolved	ug/L	2.1J	5.0	11/23/15 15:47	
Iron, Dissolved	ug/L	<12.9	100	11/23/15 15:47	
Lead, Dissolved	ug/L	<3.0	7.5	11/23/15 15:47	

LABORATORY CONTROL SAMPLE: 1260810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium, Dissolved	ug/L	500	490	98	80-120	
Iron, Dissolved	ug/L	5000	4720	94	80-120	
Lead, Dissolved	ug/L	500	487	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1260811 1260812

Parameter	Units	40124714001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cadmium, Dissolved	ug/L	1.2J	500	500	484	477	96	95	75-125	1	20	
Iron, Dissolved	ug/L	204	5000	5000	4910	4870	94	93	75-125	1	20	
Lead, Dissolved	ug/L	<3.0	500	500	492	476	98	95	75-125	3	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

QC Batch: MSV/31268 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005, 40124714006

METHOD BLANK: 1259032 Matrix: Water
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005, 40124714006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	11/16/15 18:44	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	11/16/15 18:44	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	11/16/15 18:44	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	11/16/15 18:44	
1,1-Dichloroethane	ug/L	<0.24	1.0	11/16/15 18:44	
1,1-Dichloroethene	ug/L	<0.41	1.0	11/16/15 18:44	
1,1-Dichloropropene	ug/L	<0.44	1.0	11/16/15 18:44	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	11/16/15 18:44	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	11/16/15 18:44	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	11/16/15 18:44	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	11/16/15 18:44	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	11/16/15 18:44	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	11/16/15 18:44	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	11/16/15 18:44	
1,2-Dichloroethane	ug/L	<0.17	1.0	11/16/15 18:44	
1,2-Dichloropropane	ug/L	<0.23	1.0	11/16/15 18:44	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	11/16/15 18:44	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	11/16/15 18:44	
1,3-Dichloropropane	ug/L	<0.50	1.0	11/16/15 18:44	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	11/16/15 18:44	
2,2-Dichloropropane	ug/L	<0.48	1.0	11/16/15 18:44	
2-Chlorotoluene	ug/L	<0.50	1.0	11/16/15 18:44	
4-Chlorotoluene	ug/L	<0.21	1.0	11/16/15 18:44	
Benzene	ug/L	<0.50	1.0	11/16/15 18:44	
Bromobenzene	ug/L	<0.23	1.0	11/16/15 18:44	
Bromochloromethane	ug/L	<0.34	1.0	11/16/15 18:44	
Bromodichloromethane	ug/L	<0.50	1.0	11/16/15 18:44	
Bromoform	ug/L	<0.50	1.0	11/16/15 18:44	
Bromomethane	ug/L	<2.4	5.0	11/16/15 18:44	
Carbon tetrachloride	ug/L	<0.50	1.0	11/16/15 18:44	
Chlorobenzene	ug/L	<0.50	1.0	11/16/15 18:44	
Chloroethane	ug/L	<0.37	1.0	11/16/15 18:44	
Chloroform	ug/L	<2.5	5.0	11/16/15 18:44	
Chloromethane	ug/L	<0.50	1.0	11/16/15 18:44	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	11/16/15 18:44	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	11/16/15 18:44	
Dibromochloromethane	ug/L	<0.50	1.0	11/16/15 18:44	
Dibromomethane	ug/L	<0.43	1.0	11/16/15 18:44	
Dichlorodifluoromethane	ug/L	<0.22	1.0	11/16/15 18:44	
Diisopropyl ether	ug/L	<0.50	1.0	11/16/15 18:44	
Ethylbenzene	ug/L	<0.50	1.0	11/16/15 18:44	

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

METHOD BLANK: 1259032 Matrix: Water
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005, 40124714006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	11/16/15 18:44	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	11/16/15 18:44	
m&p-Xylene	ug/L	<1.0	2.0	11/16/15 18:44	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	11/16/15 18:44	
Methylene Chloride	ug/L	<0.23	1.0	11/16/15 18:44	
n-Butylbenzene	ug/L	<0.50	1.0	11/16/15 18:44	
n-Propylbenzene	ug/L	<0.50	1.0	11/16/15 18:44	
Naphthalene	ug/L	<2.5	5.0	11/16/15 18:44	
o-Xylene	ug/L	<0.50	1.0	11/16/15 18:44	
p-Isopropyltoluene	ug/L	<0.50	1.0	11/16/15 18:44	
sec-Butylbenzene	ug/L	<2.2	5.0	11/16/15 18:44	
Styrene	ug/L	<0.50	1.0	11/16/15 18:44	
tert-Butylbenzene	ug/L	<0.18	1.0	11/16/15 18:44	
Tetrachloroethene	ug/L	<0.50	1.0	11/16/15 18:44	
Toluene	ug/L	<0.50	1.0	11/16/15 18:44	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	11/16/15 18:44	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	11/16/15 18:44	
Trichloroethene	ug/L	<0.33	1.0	11/16/15 18:44	
Trichlorofluoromethane	ug/L	<0.18	1.0	11/16/15 18:44	
Vinyl chloride	ug/L	<0.18	1.0	11/16/15 18:44	
4-Bromofluorobenzene (S)	%	93	70-130	11/16/15 18:44	
Dibromofluoromethane (S)	%	103	70-130	11/16/15 18:44	
Toluene-d8 (S)	%	93	70-130	11/16/15 18:44	

LABORATORY CONTROL SAMPLE: 1259033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.1	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.1	96	70-130	
1,1,2-Trichloroethane	ug/L	50	49.7	99	70-130	
1,1-Dichloroethane	ug/L	50	47.5	95	70-130	
1,1-Dichloroethene	ug/L	50	47.4	95	70-130	
1,2,4-Trichlorobenzene	ug/L	50	51.5	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.7	87	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	49.4	99	70-130	
1,2-Dichlorobenzene	ug/L	50	50.8	102	70-130	
1,2-Dichloroethane	ug/L	50	49.8	100	70-131	
1,2-Dichloropropane	ug/L	50	55.0	110	70-130	
1,3-Dichlorobenzene	ug/L	50	51.4	103	70-130	
1,4-Dichlorobenzene	ug/L	50	49.8	100	70-130	
Benzene	ug/L	50	47.6	95	70-130	
Bromodichloromethane	ug/L	50	53.7	107	70-130	
Bromoform	ug/L	50	47.5	95	68-130	
Bromomethane	ug/L	50	38.6	77	38-137	

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

LABORATORY CONTROL SAMPLE: 1259033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	52.7	105	70-130	
Chlorobenzene	ug/L	50	53.9	108	70-130	
Chloroethane	ug/L	50	37.3	75	70-136	
Chloroform	ug/L	50	52.4	105	70-130	
Chloromethane	ug/L	50	38.4	77	48-144	
cis-1,2-Dichloroethene	ug/L	50	45.6	91	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.3	93	70-130	
Dibromochloromethane	ug/L	50	47.2	94	70-130	
Dichlorodifluoromethane	ug/L	50	33.8	68	33-157	
Ethylbenzene	ug/L	50	59.1	118	70-132	
Isopropylbenzene (Cumene)	ug/L	50	63.2	126	70-130	
m&p-Xylene	ug/L	100	119	119	70-131	
Methyl-tert-butyl ether	ug/L	50	41.9	84	48-141	
Methylene Chloride	ug/L	50	51.5	103	70-130	
o-Xylene	ug/L	50	58.3	117	70-131	
Styrene	ug/L	50	59.6	119	70-130	
Tetrachloroethene	ug/L	50	58.7	117	70-130	
Toluene	ug/L	50	53.2	106	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.8	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	43.1	86	70-130	
Trichloroethene	ug/L	50	58.0	116	70-130	
Trichlorofluoromethane	ug/L	50	51.3	103	50-150	
Vinyl chloride	ug/L	50	40.6	81	65-142	
4-Bromofluorobenzene (S)	%			105	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1260188 1260189

Parameter	Units	40124656001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	49.2	50.2	98	100	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	50.2	48.7	100	97	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	50.3	50.0	101	100	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	45.8	46.8	92	94	70-134	2	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	45.8	46.5	92	93	70-139	2	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	53.0	51.3	106	102	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	46.4	44.3	93	89	50-150	5	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	50.0	49.5	100	99	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	51.3	50.5	103	101	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	49.3	49.7	99	99	70-132	1	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	55.7	54.3	111	109	70-130	3	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	51.4	51.1	103	102	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	49.9	49.8	100	100	70-130	0	20	

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1260188 1260189

Parameter	Units	40124656001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.50	50	50	47.2	47.4	94	95	70-130	0	20	
Bromodichloromethane	ug/L	<0.50	50	50	53.2	51.5	106	103	70-132	3	20	
Bromoform	ug/L	<0.50	50	50	46.8	45.6	94	91	68-130	3	20	
Bromomethane	ug/L	<2.4	50	50	43.5	46.5	87	93	38-141	7	20	
Carbon tetrachloride	ug/L	<0.50	50	50	51.9	52.6	104	105	70-130	1	20	
Chlorobenzene	ug/L	<0.50	50	50	54.6	54.2	109	108	70-130	1	20	
Chloroethane	ug/L	<0.37	50	50	37.4	36.7	75	73	66-152	2	20	
Chloroform	ug/L	<2.5	50	50	50.4	50.7	101	101	70-130	1	20	
Chloromethane	ug/L	<0.50	50	50	41.6	40.5	83	81	44-151	3	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	44.9	45.5	90	91	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	47.6	44.0	95	88	70-130	8	20	
Dibromochloromethane	ug/L	<0.50	50	50	46.7	47.1	93	94	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	32.9	33.7	66	67	29-160	2	20	
Ethylbenzene	ug/L	<0.50	50	50	59.2	57.5	118	115	70-132	3	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	63.0	62.3	126	125	70-130	1	20	
m&p-Xylene	ug/L	<1.0	100	100	118	114	118	114	70-131	4	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	42.8	44.0	86	88	48-143	3	20	
Methylene Chloride	ug/L	<0.23	50	50	49.2	51.4	98	103	70-130	4	20	
o-Xylene	ug/L	<0.50	50	50	57.7	55.7	115	111	70-131	3	20	
Styrene	ug/L	<0.50	50	50	53.3	42.4	107	85	70-130	23	20	R1
Tetrachloroethene	ug/L	1.4	50	50	59.6	59.8	116	117	70-130	0	20	
Toluene	ug/L	<0.50	50	50	53.1	52.4	106	105	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	47.3	48.2	95	96	70-132	2	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	43.6	41.6	87	83	70-130	5	20	
Trichloroethene	ug/L	1.8	50	50	60.4	60.6	117	118	70-130	0	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	49.7	50.9	99	102	50-153	2	20	
Vinyl chloride	ug/L	<0.18	50	50	42.6	42.0	85	84	60-155	1	20	
4-Bromofluorobenzene (S)	%						104	106	70-130			
Dibromofluoromethane (S)	%						93	92	70-130			
Toluene-d8 (S)	%						99	98	70-130			

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

QC Batch: MSV/31269 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40124714007, 40124714008, 40124714009

METHOD BLANK: 1259034 Matrix: Water
Associated Lab Samples: 40124714007, 40124714008, 40124714009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	11/16/15 14:01	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	11/16/15 14:01	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	11/16/15 14:01	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	11/16/15 14:01	
1,1-Dichloroethane	ug/L	<0.24	1.0	11/16/15 14:01	
1,1-Dichloroethene	ug/L	<0.41	1.0	11/16/15 14:01	
1,1-Dichloropropene	ug/L	<0.44	1.0	11/16/15 14:01	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	11/16/15 14:01	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	11/16/15 14:01	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	11/16/15 14:01	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	11/16/15 14:01	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	11/16/15 14:01	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	11/16/15 14:01	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	11/16/15 14:01	
1,2-Dichloroethane	ug/L	<0.17	1.0	11/16/15 14:01	
1,2-Dichloropropane	ug/L	<0.23	1.0	11/16/15 14:01	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	11/16/15 14:01	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	11/16/15 14:01	
1,3-Dichloropropane	ug/L	<0.50	1.0	11/16/15 14:01	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	11/16/15 14:01	
2,2-Dichloropropane	ug/L	<0.48	1.0	11/16/15 14:01	
2-Chlorotoluene	ug/L	<0.50	1.0	11/16/15 14:01	
4-Chlorotoluene	ug/L	<0.21	1.0	11/16/15 14:01	
Benzene	ug/L	<0.50	1.0	11/16/15 14:01	
Bromobenzene	ug/L	<0.23	1.0	11/16/15 14:01	
Bromochloromethane	ug/L	<0.34	1.0	11/16/15 14:01	
Bromodichloromethane	ug/L	<0.50	1.0	11/16/15 14:01	
Bromoform	ug/L	<0.50	1.0	11/16/15 14:01	
Bromomethane	ug/L	<2.4	5.0	11/16/15 14:01	
Carbon tetrachloride	ug/L	<0.50	1.0	11/16/15 14:01	
Chlorobenzene	ug/L	<0.50	1.0	11/16/15 14:01	
Chloroethane	ug/L	<0.37	1.0	11/16/15 14:01	
Chloroform	ug/L	<2.5	5.0	11/16/15 14:01	
Chloromethane	ug/L	<0.50	1.0	11/16/15 14:01	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	11/16/15 14:01	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	11/16/15 14:01	
Dibromochloromethane	ug/L	<0.50	1.0	11/16/15 14:01	
Dibromomethane	ug/L	<0.43	1.0	11/16/15 14:01	
Dichlorodifluoromethane	ug/L	<0.22	1.0	11/16/15 14:01	
Diisopropyl ether	ug/L	<0.50	1.0	11/16/15 14:01	
Ethylbenzene	ug/L	<0.50	1.0	11/16/15 14:01	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

METHOD BLANK: 1259034 Matrix: Water
Associated Lab Samples: 40124714007, 40124714008, 40124714009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	11/16/15 14:01	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	11/16/15 14:01	
m&p-Xylene	ug/L	<1.0	2.0	11/16/15 14:01	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	11/16/15 14:01	
Methylene Chloride	ug/L	<0.23	1.0	11/16/15 14:01	
n-Butylbenzene	ug/L	<0.50	1.0	11/16/15 14:01	
n-Propylbenzene	ug/L	<0.50	1.0	11/16/15 14:01	
Naphthalene	ug/L	<2.5	5.0	11/16/15 14:01	
o-Xylene	ug/L	<0.50	1.0	11/16/15 14:01	
p-Isopropyltoluene	ug/L	<0.50	1.0	11/16/15 14:01	
sec-Butylbenzene	ug/L	<2.2	5.0	11/16/15 14:01	
Styrene	ug/L	<0.50	1.0	11/16/15 14:01	
tert-Butylbenzene	ug/L	<0.18	1.0	11/16/15 14:01	
Tetrachloroethene	ug/L	<0.50	1.0	11/16/15 14:01	
Toluene	ug/L	<0.50	1.0	11/16/15 14:01	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	11/16/15 14:01	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	11/16/15 14:01	
Trichloroethene	ug/L	<0.33	1.0	11/16/15 14:01	
Trichlorofluoromethane	ug/L	<0.18	1.0	11/16/15 14:01	
Vinyl chloride	ug/L	<0.18	1.0	11/16/15 14:01	
4-Bromofluorobenzene (S)	%	91	70-130	11/16/15 14:01	
Dibromofluoromethane (S)	%	104	70-130	11/16/15 14:01	
Toluene-d8 (S)	%	109	70-130	11/16/15 14:01	

LABORATORY CONTROL SAMPLE: 1259035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.0	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.3	101	70-130	
1,1,2-Trichloroethane	ug/L	50	49.7	99	70-130	
1,1-Dichloroethane	ug/L	50	48.2	96	70-130	
1,1-Dichloroethene	ug/L	50	51.6	103	70-130	
1,2,4-Trichlorobenzene	ug/L	50	46.1	92	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.4	87	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	49.4	99	70-130	
1,2-Dichlorobenzene	ug/L	50	49.8	100	70-130	
1,2-Dichloroethane	ug/L	50	48.5	97	70-131	
1,2-Dichloropropane	ug/L	50	47.2	94	70-130	
1,3-Dichlorobenzene	ug/L	50	48.3	97	70-130	
1,4-Dichlorobenzene	ug/L	50	50.0	100	70-130	
Benzene	ug/L	50	50.8	102	70-130	
Bromodichloromethane	ug/L	50	46.5	93	70-130	
Bromoform	ug/L	50	46.1	92	68-130	
Bromomethane	ug/L	50	33.3	67	38-137	

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

LABORATORY CONTROL SAMPLE: 1259035

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	53.2	106	70-130	
Chlorobenzene	ug/L	50	49.0	98	70-130	
Chloroethane	ug/L	50	41.1	82	70-136	
Chloroform	ug/L	50	51.0	102	70-130	
Chloromethane	ug/L	50	38.1	76	48-144	
cis-1,2-Dichloroethene	ug/L	50	49.6	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	42.6	85	70-130	
Dibromochloromethane	ug/L	50	49.3	99	70-130	
Dichlorodifluoromethane	ug/L	50	37.6	75	33-157	
Ethylbenzene	ug/L	50	50.2	100	70-132	
Isopropylbenzene (Cumene)	ug/L	50	52.1	104	70-130	
m&p-Xylene	ug/L	100	104	104	70-131	
Methyl-tert-butyl ether	ug/L	50	47.0	94	48-141	
Methylene Chloride	ug/L	50	49.6	99	70-130	
o-Xylene	ug/L	50	49.4	99	70-131	
Styrene	ug/L	50	52.7	105	70-130	
Tetrachloroethene	ug/L	50	47.6	95	70-130	
Toluene	ug/L	50	51.1	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	50.3	101	70-130	
trans-1,3-Dichloropropene	ug/L	50	43.6	87	70-130	
Trichloroethene	ug/L	50	48.5	97	70-130	
Trichlorofluoromethane	ug/L	50	52.1	104	50-150	
Vinyl chloride	ug/L	50	47.9	96	65-142	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			108	70-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1259036 1259037

Parameter	Units	40124724001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	51.3	52.0	103	104	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	48.5	50.1	97	100	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	48.8	49.0	98	98	70-130	0	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	48.1	49.3	96	99	70-134	3	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	50.8	53.5	102	107	70-139	5	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	55.4	56.6	111	113	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	45.7	45.9	91	92	50-150	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	47.8	50.0	96	100	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	49.6	50.7	99	101	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	48.5	50.7	97	101	70-132	5	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	44.3	44.6	89	89	70-130	1	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.7	49.6	97	99	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	47.9	48.6	96	97	70-130	1	20	

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1259036 1259037

Parameter	Units	40124724001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	4.9	50	50	54.6	55.7	100	102	70-130	2	20	
Bromodichloromethane	ug/L	<0.50	50	50	45.2	44.8	90	90	70-132	1	20	
Bromoform	ug/L	<0.50	50	50	45.4	46.9	91	94	68-130	3	20	
Bromomethane	ug/L	<2.4	50	50	30.8	38.2	62	76	38-141	21	20	R1
Carbon tetrachloride	ug/L	<0.50	50	50	52.6	53.2	105	106	70-130	1	20	
Chlorobenzene	ug/L	<0.50	50	50	47.7	48.2	95	96	70-130	1	20	
Chloroethane	ug/L	<0.37	50	50	41.3	42.4	83	85	66-152	3	20	
Chloroform	ug/L	<2.5	50	50	52.7	54.1	105	108	70-130	3	20	
Chloromethane	ug/L	<0.50	50	50	37.4	37.6	75	75	44-151	1	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	48.6	48.5	97	97	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	40.5	39.9	81	80	70-130	1	20	
Dibromochloromethane	ug/L	<0.50	50	50	47.1	48.8	94	98	70-130	3	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	37.4	39.0	75	78	29-160	4	20	
Ethylbenzene	ug/L	<0.50	50	50	50.6	50.4	101	101	70-132	0	20	
Isopropylbenzene (Cumene)	ug/L	15.3	50	50	69.4	69.8	108	109	70-130	0	20	
m&p-Xylene	ug/L	1.8J	100	100	104	104	102	102	70-131	0	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	47.2	51.6	94	103	48-143	9	20	
Methylene Chloride	ug/L	<0.23	50	50	55.4	57.4	111	115	70-130	3	20	
o-Xylene	ug/L	<0.50	50	50	49.8	50.4	100	101	70-131	1	20	
Styrene	ug/L	<0.50	50	50	51.7	51.9	103	104	70-130	0	20	
Tetrachloroethene	ug/L	<0.50	50	50	48.1	47.8	96	96	70-130	1	20	
Toluene	ug/L	1.3	50	50	51.9	51.7	101	101	70-130	0	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	50.0	51.6	100	103	70-132	3	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	41.4	41.0	83	82	70-130	1	20	
Trichloroethene	ug/L	<0.33	50	50	48.1	49.1	96	98	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	51.3	53.8	103	108	50-153	5	20	
Vinyl chloride	ug/L	<0.18	50	50	47.9	49.9	96	100	60-155	4	20	
4-Bromofluorobenzene (S)	%						100	99	70-130			
Dibromofluoromethane (S)	%						108	106	70-130			
Toluene-d8 (S)	%						106	103	70-130			

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REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

QC Batch: WETA/31439 — Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 — Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005, 40124714006, 40124714007, 40124714008, 40124714009

METHOD BLANK: 1266101 — Matrix: Water
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005, 40124714006, 40124714007, 40124714008, 40124714009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<2.0	4.0	11/30/15 18:53	

LABORATORY CONTROL SAMPLE: 1266102

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.6	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1266103 — 1266104

Parameter	Units	40124695011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	338	200	200	550	548	106	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1266105 — 1266106

Parameter	Units	40124937002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	42.1	100	100	141	140	99	98	90-110	1	20	

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

QC Batch: WETA/31399 | Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 | Analysis Description: 353.2 Nitrogen, Dissolved, preserved
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005

METHOD BLANK: 1264490 | Matrix: Water
Associated Lab Samples: 40124714001, 40124714002, 40124714003, 40124714004, 40124714005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3, Dissolved	mg/L	<0.095	0.25	11/24/15 12:03	

LABORATORY CONTROL SAMPLE: 1264491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3, Dissolved	mg/L	2.5	2.5	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1264492 1264493

Parameter	Units	40124659009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3, Dissolved	mg/L	<0.095	2.5	2.5	2.6	2.5	103	101	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1264494 1264495

Parameter	Units	40124714005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3, Dissolved	mg/L	<0.095	2.5	2.5	2.4	2.3	97	94	90-110	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

QC Batch: WETA/31480 — Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 — Analysis Description: 353.2 Nitrogen, Dissolved, preserved
Associated Lab Samples: 40124714006, 40124714007, 40124714008, 40124714009

METHOD BLANK: 1266573 — Matrix: Water
Associated Lab Samples: 40124714006, 40124714007, 40124714008, 40124714009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3, Dissolved	mg/L	<0.095	0.25	12/01/15 11:11	

LABORATORY CONTROL SAMPLE: 1266574

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3, Dissolved	mg/L	2.5	2.4	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1266575 — 1266576

Parameter	Units	40124737006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3, Dissolved	mg/L	0.88	2.5	2.5	3.3	3.3	96	96	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1266577 — 1266578

Parameter	Units	40124737016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3, Dissolved	mg/L	0.11J	2.5	2.5	2.5	2.5	94	97	90-110	3	20	

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QUALIFIERS

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 903 TOWER STANDARD
Pace Project No.: 40124714

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40124714001	**MW1-LDF**	EPA 6010	ICP/11483		
40124714002	**MW2-LDF**	EPA 6010	ICP/11483		
40124714003	**MW3-LDF**	EPA 6010	ICP/11483		
40124714004	**MW19**	EPA 6010	ICP/11483		
40124714005	**MW19 @ 35-40**	EPA 6010	ICP/11483		
40124714006	**MW20**	EPA 6010	ICP/11483		
40124714007	**MW20 @ 20-25**	EPA 6010	ICP/11483		
40124714008	**MW21**	EPA 6010	ICP/11483		
40124714009	**MW21 @ 35-40**	EPA 6010	ICP/11483		
40124714001	**MW1-LDF**	EPA 8260	MSV/31268		
40124714002	**MW2-LDF**	EPA 8260	MSV/31268		
40124714003	**MW3-LDF**	EPA 8260	MSV/31268		
40124714004	**MW19**	EPA 8260	MSV/31268		
40124714005	**MW19 @ 35-40**	EPA 8260	MSV/31268		
40124714006	**MW20**	EPA 8260	MSV/31268		
40124714007	**MW20 @ 20-25**	EPA 8260	MSV/31269		
40124714008	**MW21**	EPA 8260	MSV/31269		
40124714009	**MW21 @ 35-40**	EPA 8260	MSV/31269		
40124714001	**MW1-LDF**	EPA 300.0	WETA/31439		
40124714002	**MW2-LDF**	EPA 300.0	WETA/31439		
40124714003	**MW3-LDF**	EPA 300.0	WETA/31439		
40124714004	**MW19**	EPA 300.0	WETA/31439		
40124714005	**MW19 @ 35-40**	EPA 300.0	WETA/31439		
40124714006	**MW20**	EPA 300.0	WETA/31439		
40124714007	**MW20 @ 20-25**	EPA 300.0	WETA/31439		
40124714008	**MW21**	EPA 300.0	WETA/31439		
40124714009	**MW21 @ 35-40**	EPA 300.0	WETA/31439		
40124714001	**MW1-LDF**	EPA 353.2	WETA/31399		
40124714002	**MW2-LDF**	EPA 353.2	WETA/31399		
40124714003	**MW3-LDF**	EPA 353.2	WETA/31399		
40124714004	**MW19**	EPA 353.2	WETA/31399		
40124714005	**MW19 @ 35-40**	EPA 353.2	WETA/31399		
40124714006	**MW20**	EPA 353.2	WETA/31480		
40124714007	**MW20 @ 20-25**	EPA 353.2	WETA/31480		
40124714008	**MW21**	EPA 353.2	WETA/31480		
40124714009	**MW21 @ 35-40**	EPA 353.2	WETA/31480		

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CHAIN OF CUSTODY

40124714

(Please Print Clearly)	
Company Name:	REI
Branch/Location:	
Project Contact:	David Cassel
Phone:	715 675-9784
Project Number:	903
Project Name:	Tower Standard
Project State:	WI
Sampled By (Print):	David Cassel
Sampled By (Sign):	
PO #:	Regulatory Program:

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

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

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOC	Nitrate	Sulfate	Dissolved Iron	Dissolved Lead	Dissolved Cadmium	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
FILTERED? (YES/NO)					N	N	N	Y	Y	Y			
PRESERVATION (CODE)*					B	C	A	D	D	D			
001	MW1-LDF	4/10/15	2:30	GW	X	X	X	X	X	X	3-40mlV B	3-250mlP ACD	
002	MW2-LDF		1:20		X	X	X	X	X	X			
003	MW3-LDF				X	X	X	X	X	X			
004	MW19	4/11/15	11:20		X	X	X	X	X	X			
005	MW19 @ 35-40		12:00		X	X	X	X	X	X			
006	MW20		12:45		X	X	X	X	X	X			
007	MW20 @ 20-25		1:30		X	X	X	X	X	X			
008	MW21		10:45		X	X	X	X	X	X			
009	MW21 @ 35-40	4/11/15	10:20		X	X	X	X	X	X			

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

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Scott Blade	11/12/15 3:00		
Walteo	11/13/15 0850	Pete Johnson Pace	11/13/15 0850

PACE Project No. 40124714
Receipt Temp = 2.01 °C
Sample Receipt pH (OK) / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

EPA-R5-2017-010506_0002409