UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CHICAGO REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: **6/12/2018**

Subject: **Review of Region 5 Data for Central Sands**

To: **Water Division, WECA Region 5**
77 West Jackson Boulevard
Chicago, IL 60604

From: **Nidia Fuentes, Chemist**
US EPA Region 5 Chicago Regional Laboratory

The data transmitted under this cover memo successfully passed CRL's data review procedures as documented in the current Quality Management Plan and applicable Standard Operating Procedures. In accordance with the EPA QA/G-8 *Guidance on Environmental Data Verification and Data Validation* and the U.S. EPA Region 5 RMD QMP, CRL performs data verification on all the data generated internally. CRL does not perform data validation or quality assessment procedures.

This report was reviewed and the information provided herein accurately represents the analysis performed.

Nidia Fuentes

Please contact the analyst with any technical report issues, Robert Thompson at (312)-353-9078 for sample project concerns, and Sylvia Griffin at (312)-353-9073 with data transmittal questions. Thank you.

Attached are Results for: **Central Sands**

Analyses included in this report:

TKN DA	Total Phosphorus DA

Report Name: 1805007 TKN DA Total Phosphorus DA FINAL Jun 12 18 1048

ED_004625A_00002451-00001

Environmental Protection Agency Region 5
Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Water Division, WECA Region 5	Project: Central Sands	
77 West Jackson Boulevard	Project Number: CB022018	**Reported:**
Chicago IL, 60604	Project Manager: Cheryl Burdett	Jun-12-18 10:48

Accredited Analyses included in this Report

Method: *EPA 351.2 in Water*
Analysis: *TKN DA*

Analyte	Certifications
Total Kjeldahl Nitrogen	ISO/IEC 17025:2005

Method: *EPA 365.4 in Water*
Analysis: *Total Phosphorus DA*

Analyte	Certifications
Total Phosphorus	ISO/IEC 17025:2005

Analytes not listed above are not accredited by ANAB.

Environmental Protection Agency Region 5

Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

WORK ORDER **Printed: 5/7/2018 9:53:28AM**

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: **Water Division, WECA Region 5** **Project Manager:** **Angela Ockrassa Davis**
Project: **Central Sands** **Project Number:** **CB022018**

Report To:

Cheryl Burdett
Water Division, WECA Region 5

77 West Jackson Boulevard
Chicago, IL 60604

Phone: (312) 886-1463
Fax: (312) 886-2001

Date Due: Jun-04-18 15:00 (30 day TAT)
Received By: Robert Snyder Date Received: May-04-18 10:00
Logged In By: Robert Snyder Date Logged In: May-07-18 07:38

Samples Received at:

Sample tags/labels	Yes
Seals Intact	Yes
Received on ice	Yes
Paperwork Included	Yes

Work Order Comments:
Copy/Relog from 1805005. Anions: Chloride and nitrate as NO3
Full List metals
pH paper used in SC 16H2601

Sample ID: **1805007-01** **Sampled:** **May-02-18 06:38** **Matrix:** **Water**

Sample Name: **D5a** **Sample Location/Comments:** **5th Street**

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 06:38	pH = 1
Anions by IC	28	May-30-18 06:38	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 06:38	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 06:38	pH = 1
Solids, TDS	7	May-09-18 06:38	pH = 6
TKN DA	28	May-30-18 06:38	pH = 1
TOC	28	May-30-18 06:38	pH = 1
Total Phosphorus DA	28	May-30-18 06:38	pH = 1

Sample ID: **1805007-02** **Sampled:** **May-02-18 06:46** **Matrix:** **Water**

Sample Name: **D5b** **Sample Location/Comments:** **5th Street**

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 06:46	pH = 1
Anions by IC	28	May-30-18 06:46	pH = 5
Metals ICP-AES (w)	180	Oct-29-18 06:46	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 06:46	pH = 1

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-02 **Sampled:** May-02-18 06:46 **Matrix:** Water

Sample Name: D5b **Sample Location/Comments:** 5th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Solids, TDS	7	May-09-18 06:46	pH = 5
TKN DA	28	May-30-18 06:46	pH = 1
TOC	28	May-30-18 06:46	pH = 1
Total Phosphorus DA	28	May-30-18 06:46	pH = 1

Sample ID: 1805007-03 **Sampled:** May-02-18 07:17 **Matrix:** Water

Sample Name: D6a **Sample Location/Comments:** 5th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 07:17	pH = 1
Anions by IC	28	May-30-18 07:17	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 07:17	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 07:17	pH = 1
Solids, TDS	7	May-09-18 07:17	pH = 6
TKN DA	28	May-30-18 07:17	pH = 1
TOC	28	May-30-18 07:17	pH = 1
Total Phosphorus DA	28	May-30-18 07:17	pH = 1

Sample ID: 1805007-04 **Sampled:** May-02-18 07:29 **Matrix:** Water

Sample Name: D6b **Sample Location/Comments:** 5th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 07:29	pH = 1
Anions by IC	28	May-30-18 07:29	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 07:29	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 07:29	pH = 1
Solids, TDS	7	May-09-18 07:29	pH = 6
TKN DA	28	May-30-18 07:29	pH = 1
TOC	28	May-30-18 07:29	pH = 1
Total Phosphorus DA	28	May-30-18 07:29	pH = 1

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-05 **Sampled:** May-02-18 08:01 **Matrix:** Water

Sample Name: D7 equip **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 08:01	pH = 1
Anions by IC	28	May-30-18 08:01	pH = 5
Metals ICP-AES (w)	180	Oct-29-18 08:01	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 08:01	pH = 1
Solids, TDS	7	May-09-18 08:01	pH = 5
TKN DA	28	May-30-18 08:01	pH = 1
TOC	28	May-30-18 08:01	pH = 1
Total Phosphorus DA	28	May-30-18 08:01	pH = 1

Sample ID: 1805007-06 **Sampled:** May-02-18 08:03 **Matrix:** Water

Sample Name: FB3 **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 08:03	pH = 1
Anions by IC	28	May-30-18 08:03	pH = 4
Metals ICP-AES (w)	180	Oct-29-18 08:03	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 08:03	pH = 1
Solids, TDS	7	May-09-18 08:03	pH = 4
TKN DA	28	May-30-18 08:03	pH = 1
TOC	28	May-30-18 08:03	pH = 1
Total Phosphorus DA	28	May-30-18 08:03	pH = 1

Sample ID: 1805007-07 **Sampled:** May-02-18 08:12 **Matrix:** Water

Sample Name: D7a Dup **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 08:12	pH = 1
Anions by IC	28	May-30-18 08:12	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 08:12	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 08:12	pH = 1
Solids, TDS	7	May-09-18 08:12	pH = 6
TKN DA	28	May-30-18 08:12	pH = 1
TOC	28	May-30-18 08:12	pH = 1

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-07 **Sampled:** May-02-18 08:12 **Matrix:** Water

Sample Name: D7a Dup **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Total Phosphorus DA	28	May-30-18 08:12	pH = 1

Sample ID: 1805007-08 **Sampled:** May-02-18 08:12 **Matrix:** Water *QC Source Sample MS/MSD*

Sample Name: D7a **Sample Location/Comments:** 23rd Avenue

Sample Comments: MS/MSD

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 08:12	pH = 1
Anions by IC	28	May-30-18 08:12	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 08:12	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 08:12	pH = 1
Solids, TDS	7	May-09-18 08:12	pH = 6
TKN DA	28	May-30-18 08:12	pH = 1
TOC	28	May-30-18 08:12	pH = 1
Total Phosphorus DA	28	May-30-18 08:12	pH = 1

Sample ID: 1805007-09 **Sampled:** May-02-18 08:19 **Matrix:** Water

Sample Name: D7b **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 08:19	pH = 1
Anions by IC	28	May-30-18 08:19	pH = 5
Metals ICP-AES (w)	180	Oct-29-18 08:19	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 08:19	pH = 1
Solids, TDS	7	May-09-18 08:19	pH = 5
TKN DA	28	May-30-18 08:19	pH = 1
TOC	28	May-30-18 08:19	pH = 1
Total Phosphorus DA	28	May-30-18 08:19	pH = 1

Sample ID: 1805007-10 **Sampled:** May-02-18 08:55 **Matrix:** Water

Sample Name: D8a **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 08:55	pH = 1
Anions by IC	28	May-30-18 08:55	pH = 6

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-10 **Sampled:** May-02-18 08:55 **Matrix:** Water

Sample Name: D8a **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Metals ICP-AES (w)	180	Oct-29-18 08:55	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 08:55	pH = 1
Solids, TDS	7	May-09-18 08:55	pH = 6
TKN DA	28	May-30-18 08:55	pH = 1
TOC	28	May-30-18 08:55	pH = 1
Total Phosphorus DA	28	May-30-18 08:55	pH = 1

Sample ID: 1805007-11 **Sampled:** May-02-18 09:11 **Matrix:** Water

Sample Name: D8b **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 09:11	pH = 1
Anions by IC	28	May-30-18 09:11	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 09:11	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 09:11	pH = 1
Solids, TDS	7	May-09-18 09:11	pH = 6
TKN DA	28	May-30-18 09:11	pH = 1
TOC	28	May-30-18 09:11	pH = 1
Total Phosphorus DA	28	May-30-18 09:11	pH = 1

Sample ID: 1805007-12 **Sampled:** May-02-18 09:45 **Matrix:** Water

Sample Name: D9a **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 09:45	pH = 1
Anions by IC	28	May-30-18 09:45	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 09:45	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 09:45	pH = 1
Solids, TDS	7	May-09-18 09:45	pH = 6
TKN DA	28	May-30-18 09:45	pH = 1
TOC	28	May-30-18 09:45	pH = 1
Total Phosphorus DA	28	May-30-18 09:45	pH = 1

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-13 **Sampled:** May-02-18 09:54 **Matrix:** Water

Sample Name: D9b **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 09:54	pH = 1
Anions by IC	28	May-30-18 09:54	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 09:54	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 09:54	pH = 1
Solids, TDS	7	May-09-18 09:54	pH = 6
TKN DA	28	May-30-18 09:54	pH = 1
TOC	28	May-30-18 09:54	pH = 1
Total Phosphorus DA	28	May-30-18 09:54	pH = 1

Sample ID: 1805007-14 **Sampled:** May-02-18 10:29 **Matrix:** Water

Sample Name: D10a **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 10:29	pH = 1
Anions by IC	28	May-30-18 10:29	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 10:29	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 10:29	pH = 1
Solids, TDS	7	May-09-18 10:29	pH = 6
TKN DA	28	May-30-18 10:29	pH = 1
TOC	28	May-30-18 10:29	pH = 1
Total Phosphorus DA	28	May-30-18 10:29	pH = 1

Sample ID: 1805007-15 **Sampled:** May-02-18 10:29 **Matrix:** Water

Sample Name: D10a Dup **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 10:29	pH = 1
Anions by IC	28	May-30-18 10:29	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 10:29	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 10:29	pH = 1
Solids, TDS	7	May-09-18 10:29	pH = 6
TKN DA	28	May-30-18 10:29	pH = 1
TOC	28	May-30-18 10:29	pH = 1

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-15 **Sampled:** May-02-18 10:29 **Matrix:** Water

Sample Name: D10a Dup **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Total Phosphorus DA	28	May-30-18 10:29	pH = 1

Sample ID: 1805007-16 **Sampled:** May-02-18 10:41 **Matrix:** Water

Sample Name: D10b **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 10:41	pH = 1
Anions by IC	28	May-30-18 10:41	pH = 5
Metals ICP-AES (w)	180	Oct-29-18 10:41	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 10:41	pH = 1
Solids, TDS	7	May-09-18 10:41	pH = 5
TKN DA	28	May-30-18 10:41	pH = 1
TOC	28	May-30-18 10:41	pH = 1
Total Phosphorus DA	28	May-30-18 10:41	pH = 1

Sample ID: 1805007-17 **Sampled:** May-02-18 10:41 **Matrix:** Water

Sample Name: D10b Dup **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 10:41	pH = 1
Anions by IC	28	May-30-18 10:41	pH = 5
Metals ICP-AES (w)	180	Oct-29-18 10:41	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 10:41	pH = 1
Solids, TDS	7	May-09-18 10:41	pH = 5
TKN DA	28	May-30-18 10:41	pH = 1
TOC	28	May-30-18 10:41	pH = 1
Total Phosphorus DA	28	May-30-18 10:41	pH = 1

Sample ID: 1805007-18 **Sampled:** May-02-18 11:19 **Matrix:** Water

Sample Name: D11a **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 11:19	pH = 1
Anions by IC	28	May-30-18 11:19	pH = 6

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-18 **Sampled:** May-02-18 11:19 **Matrix:** Water

Sample Name: D11a **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Metals ICP-AES (w)	180	Oct-29-18 11:19	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 11:19	pH = 1
Solids, TDS	7	May-09-18 11:19	pH = 6
TKN DA	28	May-30-18 11:19	pH = 1
TOC	28	May-30-18 11:19	pH = 1
Total Phosphorus DA	28	May-30-18 11:19	pH = 1

Sample ID: 1805007-19 **Sampled:** May-02-18 11:42 **Matrix:** Water

Sample Name: D11b **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 11:42	pH = 1
Anions by IC	28	May-30-18 11:42	pH = 5
Metals ICP-AES (w)	180	Oct-29-18 11:42	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 11:42	pH = 1
Solids, TDS	7	May-09-18 11:42	pH = 5
TKN DA	28	May-30-18 11:42	pH = 1
TOC	28	May-30-18 11:42	pH = 1
Total Phosphorus DA	28	May-30-18 11:42	pH = 1

Sample ID: 1805007-20 **Sampled:** May-02-18 12:41 **Matrix:** Water

Sample Name: E1a **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 12:41	pH = 1
Anions by IC	28	May-30-18 12:41	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 12:41	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 12:41	pH = 1
Solids, TDS	7	May-09-18 12:41	pH = 6
TKN DA	28	May-30-18 12:41	pH = 1
TOC	28	May-30-18 12:41	pH = 1
Total Phosphorus DA	28	May-30-18 12:41	pH = 1

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-21 **Sampled:** May-02-18 12:58 **Matrix:** Water

Sample Name: E1b **Sample Location/Comments:** 23rd Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 12:58	pH = 1
Anions by IC	28	May-30-18 12:58	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 12:58	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 12:58	pH = 1
Solids, TDS	7	May-09-18 12:58	pH = 6
TKN DA	28	May-30-18 12:58	pH = 1
TOC	28	May-30-18 12:58	pH = 1
Total Phosphorus DA	28	May-30-18 12:58	pH = 1

Sample ID: 1805007-22 **Sampled:** May-02-18 13:28 **Matrix:** Water

Sample Name: E2a **Sample Location/Comments:** Porter Road

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 13:28	pH = 1
Anions by IC	28	May-30-18 13:28	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 13:28	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 13:28	pH = 1
Solids, TDS	7	May-09-18 13:28	pH = 6
TKN DA	28	May-30-18 13:28	pH = 1
TOC	28	May-30-18 13:28	pH = 1
Total Phosphorus DA	28	May-30-18 13:28	pH = 1

Sample ID: 1805007-23 **Sampled:** May-02-18 13:37 **Matrix:** Water

Sample Name: E2b **Sample Location/Comments:** Porter Road

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 13:37	pH = 1
Anions by IC	28	May-30-18 13:37	pH = 5
Metals ICP-AES (w)	180	Oct-29-18 13:37	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 13:37	pH = 1
Solids, TDS	7	May-09-18 13:37	pH = 5
TKN DA	28	May-30-18 13:37	pH = 1
TOC	28	May-30-18 13:37	pH = 1

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-23 **Sampled:** May-02-18 13:37 **Matrix:** Water

Sample Name: E2b **Sample Location/Comments:** Porter Road

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Total Phosphorus DA	28	May-30-18 13:37	pH = 1

Sample ID: 1805007-24 **Sampled:** May-02-18 13:28 **Matrix:** Water

Sample Name: E2a Dup **Sample Location/Comments:** Porter Road

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 13:28	pH = 1
Anions by IC	28	May-30-18 13:28	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 13:28	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 13:28	pH = 1
Solids, TDS	7	May-09-18 13:28	pH = 6
TKN DA	28	May-30-18 13:28	pH = 1
TOC	28	May-30-18 13:28	pH = 1
Total Phosphorus DA	28	May-30-18 13:28	pH = 1

Sample ID: 1805007-25 **Sampled:** May-02-18 13:37 **Matrix:** Water

Sample Name: E2b Dup **Sample Location/Comments:** Porter Road

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 13:37	pH = 1
Anions by IC	28	May-30-18 13:37	pH = 5
Metals ICP-AES (w)	180	Oct-29-18 13:37	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 13:37	pH = 1
Solids, TDS	7	May-09-18 13:37	pH = 5
TKN DA	28	May-30-18 13:37	pH = 1
TOC	28	May-30-18 13:37	pH = 1
Total Phosphorus DA	28	May-30-18 13:37	pH = 1

Sample ID: 1805007-26 **Sampled:** May-02-18 14:03 **Matrix:** Water

Sample Name: E3a **Sample Location/Comments:** 7th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 14:03	pH = 1
Anions by IC	28	May-30-18 14:03	pH = 6

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-26 **Sampled:** May-02-18 14:03 **Matrix:** Water

Sample Name: E3a **Sample Location/Comments:** 7th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Metals ICP-AES (w)	180	Oct-29-18 14:03	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 14:03	pH = 1
Solids, TDS	7	May-09-18 14:03	pH = 6
TKN DA	28	May-30-18 14:03	pH = 1
TOC	28	May-30-18 14:03	pH = 1
Total Phosphorus DA	28	May-30-18 14:03	pH = 1

Sample ID: 1805007-27 **Sampled:** May-02-18 14:09 **Matrix:** Water

Sample Name: E3b **Sample Location/Comments:** 7th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 14:09	pH = 1
Anions by IC	28	May-30-18 14:09	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 14:09	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 14:09	pH = 1
Solids, TDS	7	May-09-18 14:09	pH = 6
TKN DA	28	May-30-18 14:09	pH = 1
TOC	28	May-30-18 14:09	pH = 1
Total Phosphorus DA	28	May-30-18 14:09	pH = 1

Sample ID: 1805007-28 **Sampled:** May-02-18 14:37 **Matrix:** Water

Sample Name: E4a **Sample Location/Comments:** 7th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 14:37	pH = 1
Anions by IC	28	May-30-18 14:37	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 14:37	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 14:37	pH = 1
Solids, TDS	7	May-09-18 14:37	pH = 6
TKN DA	28	May-30-18 14:37	pH = 1
TOC	28	May-30-18 14:37	pH = 1
Total Phosphorus DA	28	May-30-18 14:37	pH = 1

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-29 **Sampled:** May-02-18 14:43 **Matrix:** Water

Sample Name: E4b **Sample Location/Comments:** 7th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 14:43	pH = 1
Anions by IC	28	May-30-18 14:43	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 14:43	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 14:43	pH = 1
Solids, TDS	7	May-09-18 14:43	pH = 6
TKN DA	28	May-30-18 14:43	pH = 1
TOC	28	May-30-18 14:43	pH = 1
Total Phosphorus DA	28	May-30-18 14:43	pH = 1

Sample ID: 1805007-30 **Sampled:** May-02-18 15:08 **Matrix:** Water

Sample Name: E5a **Sample Location/Comments:** 7th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 15:08	pH = 1
Anions by IC	28	May-30-18 15:08	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 15:08	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 15:08	pH = 1
Solids, TDS	7	May-09-18 15:08	pH = 6
TKN DA	28	May-30-18 15:08	pH = 1
TOC	28	May-30-18 15:08	pH = 1
Total Phosphorus DA	28	May-30-18 15:08	pH = 1

Sample ID: 1805007-31 **Sampled:** May-02-18 15:13 **Matrix:** Water

Sample Name: E5b **Sample Location/Comments:** 7th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 15:13	pH = 1
Anions by IC	28	May-30-18 15:13	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 15:13	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 15:13	pH = 1
Solids, TDS	7	May-09-18 15:13	pH = 6
TKN DA	28	May-30-18 15:13	pH = 1
TOC	28	May-30-18 15:13	pH = 1

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-31 **Sampled:** May-02-18 15:13 **Matrix:** Water

Sample Name: E5b **Sample Location/Comments:** 7th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Total Phosphorus DA	28	May-30-18 15:13	pH = 1

Sample ID: 1805007-32 **Sampled:** May-02-18 15:38 **Matrix:** Water

Sample Name: E6a **Sample Location/Comments:** 20th Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 15:38	pH = 1
Anions by IC	28	May-30-18 15:38	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 15:38	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 15:38	pH = 1
Solids, TDS	7	May-09-18 15:38	pH = 6
TKN DA	28	May-30-18 15:38	pH = 1
TOC	28	May-30-18 15:38	pH = 1
Total Phosphorus DA	28	May-30-18 15:38	pH = 1

Sample ID: 1805007-33 **Sampled:** May-02-18 15:44 **Matrix:** Water

Sample Name: E6b **Sample Location/Comments:** 20th Avenue

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 15:44	pH = 1
Anions by IC	28	May-30-18 15:44	pH = 6
Metals ICP-AES (w)	180	Oct-29-18 15:44	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 15:44	pH = 1
Solids, TDS	7	May-09-18 15:44	pH = 6
TKN DA	28	May-30-18 15:44	pH = 1
TOC	28	May-30-18 15:44	pH = 1
Total Phosphorus DA	28	May-30-18 15:44	pH = 1

Sample ID: 1805007-34 **Sampled:** May-02-18 16:09 **Matrix:** Water

Sample Name: E7a **Sample Location/Comments:** 7th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 16:09	pH = 1
Anions by IC	28	May-30-18 16:09	pH = 5

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-34 **Sampled:** May-02-18 16:09 **Matrix:** Water

Sample Name: E7a **Sample Location/Comments:** 7th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Metals ICP-AES (w)	180	Oct-29-18 16:09	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 16:09	pH = 1
Solids, TDS	7	May-09-18 16:09	pH = 5
TKN DA	28	May-30-18 16:09	pH = 1
TOC	28	May-30-18 16:09	pH = 1
Total Phosphorus DA	28	May-30-18 16:09	pH = 1

Sample ID: 1805007-35 **Sampled:** May-02-18 16:35 **Matrix:** Water

Sample Name: E7b **Sample Location/Comments:** 7th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-30-18 16:35	pH = 1
Anions by IC	28	May-30-18 16:35	pH = 5
Metals ICP-AES (w)	180	Oct-29-18 16:35	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-30-18 16:35	pH = 1
Solids, TDS	7	May-09-18 16:35	pH = 5
TKN DA	28	May-30-18 16:35	pH = 1
TOC	28	May-30-18 16:35	pH = 1
Total Phosphorus DA	28	May-30-18 16:35	pH = 1

Sample ID: 1805007-36 **Sampled:** May-03-18 08:40 **Matrix:** Water

Sample Name: E8a **Sample Location/Comments:** 7th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-31-18 08:40	pH = 1
Anions by IC	28	May-31-18 08:40	pH = 5
Metals ICP-AES (w)	180	Oct-30-18 08:40	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-31-18 08:40	pH = 1
Solids, TDS	7	May-10-18 08:40	pH = 5
TKN DA	28	May-31-18 08:40	pH = 1
TOC	28	May-31-18 08:40	pH = 1
Total Phosphorus DA	28	May-31-18 08:40	pH = 1

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-37 **Sampled:** May-03-18 08:48 **Matrix:** Water

Sample Name: E8b **Sample Location/Comments:** 7th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-31-18 08:48	pH = 1
Anions by IC	28	May-31-18 08:48	pH = 6
Metals ICP-AES (w)	180	Oct-30-18 08:48	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-31-18 08:48	pH = 1
Solids, TDS	7	May-10-18 08:48	pH = 6
TKN DA	28	May-31-18 08:48	pH = 1
TOC	28	May-31-18 08:48	pH = 1
Total Phosphorus DA	28	May-31-18 08:48	pH = 1

Sample ID: 1805007-38 **Sampled:** May-03-18 07:15 **Matrix:** Water

Sample Name: E10a **Sample Location/Comments:** 8th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-31-18 07:15	pH = 1
Anions by IC	28	May-31-18 07:15	pH = 6
Metals ICP-AES (w)	180	Oct-30-18 07:15	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-31-18 07:15	pH = 1
Solids, TDS	7	May-10-18 07:15	pH = 6
TKN DA	28	May-31-18 07:15	pH = 1
TOC	28	May-31-18 07:15	pH = 1
Total Phosphorus DA	28	May-31-18 07:15	pH = 1

Sample ID: 1805007-39 **Sampled:** May-03-18 07:15 **Matrix:** Water

Sample Name: E10a Dup **Sample Location/Comments:** 8th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-31-18 07:15	pH = 1
Anions by IC	28	May-31-18 07:15	pH = 6
Metals ICP-AES (w)	180	Oct-30-18 07:15	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-31-18 07:15	pH = 1
Solids, TDS	7	May-10-18 07:15	pH = 6
TKN DA	28	May-31-18 07:15	pH = 1
TOC	28	May-31-18 07:15	pH = 1

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-39 **Sampled:** May-03-18 07:15 **Matrix:** Water

Sample Name: E10a Dup **Sample Location/Comments:** 8th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Total Phosphorus DA	28	May-31-18 07:15	pH = 1

Sample ID: 1805007-40 **Sampled:** May-03-18 07:27 **Matrix:** Water

Sample Name: E10b **Sample Location/Comments:** 8th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-31-18 07:27	pH = 1
Anions by IC	28	May-31-18 07:27	pH = 6
Metals ICP-AES (w)	180	Oct-30-18 07:27	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-31-18 07:27	pH = 1
Solids, TDS	7	May-10-18 07:27	pH = 6
TKN DA	28	May-31-18 07:27	pH = 1
TOC	28	May-31-18 07:27	pH = 1
Total Phosphorus DA	28	May-31-18 07:27	pH = 1

Sample ID: 1805007-41 **Sampled:** May-03-18 07:36 **Matrix:** Water

Sample Name: FB4 **Sample Location/Comments:** 8th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-31-18 07:36	pH = 1
Anions by IC	28	May-31-18 07:36	pH = 4
Metals ICP-AES (w)	180	Oct-30-18 07:36	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-31-18 07:36	pH = 1
Solids, TDS	7	May-10-18 07:36	pH = 4
TKN DA	28	May-31-18 07:36	pH = 1
TOC	28	May-31-18 07:36	pH = 1
Total Phosphorus DA	28	May-31-18 07:36	pH = 1

Sample ID: 1805007-42 **Sampled:** May-03-18 07:13 **Matrix:** Water

Sample Name: E10 Equip **Sample Location/Comments:** 8th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-31-18 07:13	pH = 1
Anions by IC	28	May-31-18 07:13	pH = 4

1805007

US EPA Region 5 Chicago Regional Laboratory

Client: Water Division, WECA Region 5
Project: Central Sands
Project Manager: Angela Ockrassa Davis
Project Number: CB022018

Sample ID: 1805007-42 **Sampled:** May-03-18 07:13 **Matrix:** Water

Sample Name: E10 Equip **Sample Location/Comments:** 8th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Metals ICP-AES (w)	180	Oct-30-18 07:13	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-31-18 07:13	pH = 1
Solids, TDS	7	May-10-18 07:13	pH = 4
TKN DA	28	May-31-18 07:13	pH = 1
TOC	28	May-31-18 07:13	pH = 1
Total Phosphorus DA	28	May-31-18 07:13	pH = 1

Sample ID: 1805007-43 **Sampled:** May-03-18 09:53 **Matrix:** Water

Sample Name: E9a **Sample Location/Comments:** 7th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-31-18 09:53	pH = 1
Anions by IC	28	May-31-18 09:53	pH = 5
Metals ICP-AES (w)	180	Oct-30-18 09:53	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-31-18 09:53	pH = 1
Solids, TDS	7	May-10-18 09:53	pH = 5
TKN DA	28	May-31-18 09:53	pH = 1
TOC	28	May-31-18 09:53	pH = 1
Total Phosphorus DA	28	May-31-18 09:53	pH = 1

Sample ID: 1805007-44 **Sampled:** May-03-18 10:02 **Matrix:** Water

Sample Name: E9b **Sample Location/Comments:** 7th Street

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
Ammonia N DA, Distilled	28	May-31-18 10:02	pH = 1
Anions by IC	28	May-31-18 10:02	pH = 5
Metals ICP-AES (w)	180	Oct-30-18 10:02	pH = 1
Nitrate-Nitrite N DA, Enzymatic reduction	28	May-31-18 10:02	pH = 1
Solids, TDS	7	May-10-18 10:02	pH = 5
TKN DA	28	May-31-18 10:02	pH = 1
TOC	28	May-31-18 10:02	pH = 1
Total Phosphorus DA	28	May-31-18 10:02	pH = 1

Reviewed By Date

1805007

US EPA Region 5 Chicago Regional Laboratory

Client:	Water Division, WECA Region 5	Project Manager:	Angela Ockrassa Davis
Project:	Central Sands	Project Number:	CB022018

PROJECT COMMENTS: Anions: Chloride, fluoride, bromide, sullfate.
Full List metals

REVIEWED
By Robert Thompson at 9:54 am, May 07, 2018

Reviewed By Date

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Water Division, WECA Region 5	Project: Central Sands	
77 West Jackson Boulevard	Project Number: CB022018	**Reported:**
Chicago IL, 60604	Project Manager: Cheryl Burdett	Jun-12-18 10:48

Phosphorus, Colorimetric, EPA 365.4 (modified)
US EPA Region 5 Chicago Regional Laboratory

D5a (1805007-01) **Matrix: Water** **Sampled: May-02-18 06:38** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**1.80**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

D5b (1805007-02) **Matrix: Water** **Sampled: May-02-18 06:46** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**2.90**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

D6a (1805007-03) **Matrix: Water** **Sampled: May-02-18 07:17** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**1.14**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

D6b (1805007-04) **Matrix: Water** **Sampled: May-02-18 07:29** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**1.59**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

D7 equip (1805007-05) **Matrix: Water** **Sampled: May-02-18 08:01** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**U**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

FB3 (1805007-06) **Matrix: Water** **Sampled: May-02-18 08:03** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**U**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

D7a Dup (1805007-07) **Matrix: Water** **Sampled: May-02-18 08:12** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**0.77**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

D7a (1805007-08) **Matrix: Water** **Sampled: May-02-18 08:12** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**0.55**	J	0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

Environmental Protection Agency Region 5
Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Water Division, WECA Region 5	Project: Central Sands	
77 West Jackson Boulevard	Project Number: CB022018	**Reported:**
Chicago IL, 60604	Project Manager: Cheryl Burdett	Jun-12-18 10:48

Phosphorus, Colorimetric, EPA 365.4 (modified)
US EPA Region 5 Chicago Regional Laboratory

D7b (1805007-09) **Matrix: Water** **Sampled: May-02-18 08:19** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**2.27**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

D8a (1805007-10) **Matrix: Water** **Sampled: May-02-18 08:55** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**2.01**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

D8b (1805007-11) **Matrix: Water** **Sampled: May-02-18 09:11** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**2.17**	J	0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

D9a (1805007-12) **Matrix: Water** **Sampled: May-02-18 09:45** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**1.15**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

D9b (1805007-13) **Matrix: Water** **Sampled: May-02-18 09:54** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**3.48**		0.40	1.50	mg/L	10	B18E036	May-14-18	May-23-18

D10a (1805007-14) **Matrix: Water** **Sampled: May-02-18 10:29** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**0.85**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

D10a Dup (1805007-15) **Matrix: Water** **Sampled: May-02-18 10:29** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**0.64**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

D10b (1805007-16) **Matrix: Water** **Sampled: May-02-18 10:41** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**1.65**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Water Division, WECA Region 5	Project: Central Sands	
77 West Jackson Boulevard	Project Number: CB022018	**Reported:**
Chicago IL, 60604	Project Manager: Cheryl Burdett	Jun-12-18 10:48

Phosphorus, Colorimetric, EPA 365.4 (modified)
US EPA Region 5 Chicago Regional Laboratory

D10b Dup (1805007-17) **Matrix: Water** **Sampled: May-02-18 10:41** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**2.42**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

D11a (1805007-18) **Matrix: Water** **Sampled: May-02-18 11:19** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**1.28**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

D11b (1805007-19) **Matrix: Water** **Sampled: May-02-18 11:42** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**1.73**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

E1a (1805007-20) **Matrix: Water** **Sampled: May-02-18 12:41** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**0.95**		0.04	0.15	mg/L	1	B18E036	May-14-18	May-23-18

E1b (1805007-21) **Matrix: Water** **Sampled: May-02-18 12:58** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**4.07**	J	0.40	1.50	mg/L	10	B18E064	May-25-18	May-29-18

E2a (1805007-22) **Matrix: Water** **Sampled: May-02-18 13:28** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**0.94**		0.04	0.15	mg/L	1	B18E064	May-25-18	May-29-18

E2b (1805007-23) **Matrix: Water** **Sampled: May-02-18 13:37** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**3.55**		0.40	1.50	mg/L	10	B18E064	May-25-18	May-29-18

E2a Dup (1805007-24) **Matrix: Water** **Sampled: May-02-18 13:28** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**1.23**		0.04	0.15	mg/L	1	B18E064	May-25-18	May-29-18

Environmental Protection Agency Region 5
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Water Division, WECA Region 5	Project: Central Sands	
77 West Jackson Boulevard	Project Number: CB022018	**Reported:**
Chicago IL, 60604	Project Manager: Cheryl Burdett	Jun-12-18 10:48

Phosphorus, Colorimetric, EPA 365.4 (modified)
US EPA Region 5 Chicago Regional Laboratory

E2b Dup (1805007-25) **Matrix: Water** **Sampled: May-02-18 13:37** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**3.20**		0.40	1.50	mg/L	10	B18E064	May-25-18	May-29-18

E3a (1805007-26) **Matrix: Water** **Sampled: May-02-18 14:03** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**1.85**		0.04	0.15	mg/L	1	B18E064	May-25-18	May-29-18

E3b (1805007-27) **Matrix: Water** **Sampled: May-02-18 14:09** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**1.79**	J	0.04	0.15	mg/L	1	B18E062	May-24-18	May-29-18

E4a (1805007-28) **Matrix: Water** **Sampled: May-02-18 14:37** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**3.57**		0.40	1.50	mg/L	10	B18E062	May-24-18	May-29-18

E4b (1805007-29) **Matrix: Water** **Sampled: May-02-18 14:43** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**4.44**		0.40	1.50	mg/L	10	B18E062	May-24-18	May-29-18

E5a (1805007-30) **Matrix: Water** **Sampled: May-02-18 15:08** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**0.99**		0.04	0.15	mg/L	1	B18E062	May-24-18	May-29-18

E5b (1805007-31) **Matrix: Water** **Sampled: May-02-18 15:13** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**2.80**		0.04	0.15	mg/L	1	B18E062	May-24-18	May-29-18

E6a (1805007-32) **Matrix: Water** **Sampled: May-02-18 15:38** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**1.76**		0.04	0.15	mg/L	1	B18E062	May-24-18	May-29-18

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Water Division, WECA Region 5	Project: Central Sands	
77 West Jackson Boulevard	Project Number: CB022018	**Reported:**
Chicago IL, 60604	Project Manager: Cheryl Burdett	Jun-12-18 10:48

Phosphorus, Colorimetric, EPA 365.4 (modified)
US EPA Region 5 Chicago Regional Laboratory

E6b (1805007-33) **Matrix: Water** **Sampled: May-02-18 15:44** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**5.41**		0.40	1.50	mg/L	10	B18E062	May-24-18	May-29-18

E7a (1805007-34) **Matrix: Water** **Sampled: May-02-18 16:09** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**1.47**		0.04	0.15	mg/L	1	B18E062	May-24-18	May-29-18

E7b (1805007-35) **Matrix: Water** **Sampled: May-02-18 16:35** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**2.06**		0.04	0.15	mg/L	1	B18E062	May-24-18	May-29-18

E8a (1805007-36) **Matrix: Water** **Sampled: May-03-18 08:40** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**1.42**		0.04	0.15	mg/L	1	B18E062	May-24-18	May-29-18

E8b (1805007-37) **Matrix: Water** **Sampled: May-03-18 08:48** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**2.91**	J	0.04	0.15	mg/L	1	B18E062	May-24-18	May-29-18

E10a (1805007-38) **Matrix: Water** **Sampled: May-03-18 07:15** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**1.09**		0.04	0.15	mg/L	1	B18E062	May-24-18	May-29-18

E10a Dup (1805007-39) **Matrix: Water** **Sampled: May-03-18 07:15** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**1.12**		0.04	0.15	mg/L	1	B18E062	May-24-18	May-29-18

E10b (1805007-40) **Matrix: Water** **Sampled: May-03-18 07:27** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**2.96**		0.04	0.15	mg/L	1	B18E062	May-24-18	May-29-18

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Water Division, WECA Region 5	Project: Central Sands	
77 West Jackson Boulevard	Project Number: CB022018	**Reported:**
Chicago IL, 60604	Project Manager: Cheryl Burdett	Jun-12-18 10:48

Phosphorus, Colorimetric, EPA 365.4 (modified)
US EPA Region 5 Chicago Regional Laboratory

FB4 (1805007-41) **Matrix: Water** **Sampled: May-03-18 07:36** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**U**		0.04	0.15	mg/L	1	B18E062	May-24-18	May-29-18

E10 Equip (1805007-42) **Matrix: Water** **Sampled: May-03-18 07:13** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**U**		0.04	0.15	mg/L	1	B18E062	May-24-18	May-29-18

E9a (1805007-43) **Matrix: Water** **Sampled: May-03-18 09:53** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**0.92**		0.04	0.15	mg/L	1	B18E062	May-24-18	May-29-18

E9b (1805007-44) **Matrix: Water** **Sampled: May-03-18 10:02** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Phosphorus	**2.90**		0.04	0.15	mg/L	1	B18E062	May-24-18	May-29-18

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Water Division, WECA Region 5	Project: Central Sands	
77 West Jackson Boulevard	Project Number: CB022018	**Reported:**
Chicago IL, 60604	Project Manager: Cheryl Burdett	Jun-12-18 10:48

Total Kjeldahl Nitrogen, EPA 351.2 (modified)
US EPA Region 5 Chicago Regional Laboratory

D5a (1805007-01) **Matrix: Water** **Sampled: May-02-18 06:38** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.68**		0.20	0.50	mg/L	1	B18E060	May-23-18	May-23-18

D5b (1805007-02) **Matrix: Water** **Sampled: May-02-18 06:46** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	U		0.20	0.50	mg/L	1	B18E060	May-23-18	May-23-18

D6a (1805007-03) **Matrix: Water** **Sampled: May-02-18 07:17** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.68**		0.20	0.50	mg/L	1	B18E060	May-23-18	May-23-18

D6b (1805007-04) **Matrix: Water** **Sampled: May-02-18 07:29** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.79**		0.20	0.50	mg/L	1	B18E060	May-23-18	May-23-18

D7 equip (1805007-05) **Matrix: Water** **Sampled: May-02-18 08:01** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	U		0.20	0.50	mg/L	1	B18E060	May-23-18	May-23-18

FB3 (1805007-06) **Matrix: Water** **Sampled: May-02-18 08:03** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	U		0.20	0.50	mg/L	1	B18E060	May-23-18	May-23-18

D7a Dup (1805007-07) **Matrix: Water** **Sampled: May-02-18 08:12** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	U		0.20	0.50	mg/L	1	B18E060	May-23-18	May-23-18

D7a (1805007-08) **Matrix: Water** **Sampled: May-02-18 08:12** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	U	J	0.20	0.50	mg/L	1	B18E060	May-23-18	May-23-18

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Water Division, WECA Region 5	Project: Central Sands	
77 West Jackson Boulevard	Project Number: CB022018	**Reported:**
Chicago IL, 60604	Project Manager: Cheryl Burdett	Jun-12-18 10:48

Total Kjeldahl Nitrogen, EPA 351.2 (modified)
US EPA Region 5 Chicago Regional Laboratory

D7b (1805007-09) **Matrix: Water** **Sampled: May-02-18 08:19** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**1.14**		0.20	0.50	mg/L	1	B18E060	May-23-18	May-23-18

D8a (1805007-10) **Matrix: Water** **Sampled: May-02-18 08:55** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**1.28**		0.20	0.50	mg/L	1	B18E060	May-23-18	May-23-18

D8b (1805007-11) **Matrix: Water** **Sampled: May-02-18 09:11** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**1.18**	J	0.20	0.50	mg/L	1	B18E060	May-23-18	May-23-18

D9a (1805007-12) **Matrix: Water** **Sampled: May-02-18 09:45** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.50**		0.20	0.50	mg/L	1	B18E060	May-23-18	May-23-18

D9b (1805007-13) **Matrix: Water** **Sampled: May-02-18 09:54** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**1.10**		0.20	0.50	mg/L	1	B18E060	May-23-18	May-23-18

D10a (1805007-14) **Matrix: Water** **Sampled: May-02-18 10:29** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.57**		0.20	0.50	mg/L	1	B18E060	May-23-18	May-23-18

D10a Dup (1805007-15) **Matrix: Water** **Sampled: May-02-18 10:29** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.52**		0.20	0.50	mg/L	1	B18E060	May-23-18	May-29-18

D10b (1805007-16) **Matrix: Water** **Sampled: May-02-18 10:41** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	U		0.20	0.50	mg/L	1	B18E060	May-23-18	May-29-18

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Water Division, WECA Region 5	Project: Central Sands	
77 West Jackson Boulevard	Project Number: CB022018	**Reported:**
Chicago IL, 60604	Project Manager: Cheryl Burdett	Jun-12-18 10:48

Total Kjeldahl Nitrogen, EPA 351.2 (modified)
US EPA Region 5 Chicago Regional Laboratory

D10b Dup (1805007-17) **Matrix: Water** **Sampled: May-02-18 10:41** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.97**		0.20	0.50	mg/L	1	B18E060	May-23-18	May-29-18

D11a (1805007-18) **Matrix: Water** **Sampled: May-02-18 11:19** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.51**		0.20	0.50	mg/L	1	B18E060	May-23-18	May-29-18

D11b (1805007-19) **Matrix: Water** **Sampled: May-02-18 11:42** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.83**		0.20	0.50	mg/L	1	B18E060	May-23-18	May-29-18

E1a (1805007-20) **Matrix: Water** **Sampled: May-02-18 12:41** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.72**		0.20	0.50	mg/L	1	B18E060	May-23-18	May-29-18

E1b (1805007-21) **Matrix: Water** **Sampled: May-02-18 12:58** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**1.76**		0.20	0.50	mg/L	1	B18E065	May-25-18	May-29-18

E2a (1805007-22) **Matrix: Water** **Sampled: May-02-18 13:28** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**U**		0.20	0.50	mg/L	1	B18E065	May-25-18	May-29-18

E2b (1805007-23) **Matrix: Water** **Sampled: May-02-18 13:37** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**1.40**		0.20	0.50	mg/L	1	B18E065	May-25-18	May-29-18

E2a Dup (1805007-24) **Matrix: Water** **Sampled: May-02-18 13:28** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**U**		0.20	0.50	mg/L	1	B18E065	May-25-18	May-29-18

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Water Division, WECA Region 5	Project: Central Sands	
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Chicago IL, 60604	Project Manager: Cheryl Burdett	Jun-12-18 10:48

Total Kjeldahl Nitrogen, EPA 351.2 (modified)
US EPA Region 5 Chicago Regional Laboratory

E2b Dup (1805007-25) **Matrix: Water** **Sampled: May-02-18 13:37** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**1.31**		0.20	0.50	mg/L	1	B18E065	May-25-18	May-29-18

E3a (1805007-26) **Matrix: Water** **Sampled: May-02-18 14:03** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.53**		0.20	0.50	mg/L	1	B18E065	May-25-18	May-29-18

E3b (1805007-27) **Matrix: Water** **Sampled: May-02-18 14:09** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.74**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

E4a (1805007-28) **Matrix: Water** **Sampled: May-02-18 14:37** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**1.11**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

E4b (1805007-29) **Matrix: Water** **Sampled: May-02-18 14:43** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**2.17**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

E5a (1805007-30) **Matrix: Water** **Sampled: May-02-18 15:08** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.64**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

E5b (1805007-31) **Matrix: Water** **Sampled: May-02-18 15:13** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**1.42**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

E6a (1805007-32) **Matrix: Water** **Sampled: May-02-18 15:38** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.52**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

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Chicago IL, 60604	Project Manager: Cheryl Burdett	Jun-12-18 10:48

Total Kjeldahl Nitrogen, EPA 351.2 (modified)
US EPA Region 5 Chicago Regional Laboratory

E6b (1805007-33) **Matrix: Water** **Sampled: May-02-18 15:44** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**1.23**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

E7a (1805007-34) **Matrix: Water** **Sampled: May-02-18 16:09** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**U**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

E7b (1805007-35) **Matrix: Water** **Sampled: May-02-18 16:35** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**U**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

E8a (1805007-36) **Matrix: Water** **Sampled: May-03-18 08:40** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.59**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

E8b (1805007-37) **Matrix: Water** **Sampled: May-03-18 08:48** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**1.64**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

E10a (1805007-38) **Matrix: Water** **Sampled: May-03-18 07:15** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**U**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

E10a Dup (1805007-39) **Matrix: Water** **Sampled: May-03-18 07:15** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**U**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

E10b (1805007-40) **Matrix: Water** **Sampled: May-03-18 07:27** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**1.09**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

Environmental Protection Agency Region 5
Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Water Division, WECA Region 5	Project: Central Sands	
77 West Jackson Boulevard	Project Number: CB022018	**Reported:**
Chicago IL, 60604	Project Manager: Cheryl Burdett	Jun-12-18 10:48

Total Kjeldahl Nitrogen, EPA 351.2 (modified)
US EPA Region 5 Chicago Regional Laboratory

FB4 (1805007-41) **Matrix: Water** **Sampled: May-03-18 07:36** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**U**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

E10 Equip (1805007-42) **Matrix: Water** **Sampled: May-03-18 07:13** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**U**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

E9a (1805007-43) **Matrix: Water** **Sampled: May-03-18 09:53** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**0.53**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

E9b (1805007-44) **Matrix: Water** **Sampled: May-03-18 10:02** **Received: May-04-18 10:00**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Total Kjeldahl Nitrogen	**1.85**		0.20	0.50	mg/L	1	B18E063	May-24-18	May-29-18

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Water Division, WECA Region 5	Project: Central Sands	
77 West Jackson Boulevard	Project Number: CB022018	**Reported:**
Chicago IL, 60604	Project Manager: Cheryl Burdett	Jun-12-18 10:48

Notes and Definitions

J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Not Detected
NR	Not Reported
Q	QC limit Exceeded