



FILE COPY

Ameren Services

19-68582

0218160007-Christian
Taylorville/Ameren CIPS
SF/TECH

January 15, 2019

Mike Haggitt
Illinois Environmental Protection Agency
1021 North Grand Avenue East
P. O. Box 19276
Springfield, IL 62794-9276

Dear Mr. Haggitt:

As required by Article IX (A) of the Consent Order (Case #93-3332), this is the Fourth Quarter, 2018 report for the Taylorville Manufactured Gas Plant Site. This report is a summary of events. Reports and notifications of events are reported in addition to this summary throughout the quarter.

The following is a list of key events that occurred in the Fourth Quarter, 2018:

Fourth Quarter – 2018 Events

- Fourth quarter 2018 groundwater samples collected in November 2018 (results attached).
- The pump & treat system shut down as detailed in the September 11, 2017 letter sent to the IEPA.
- Searching for a replacement operator.
- Collected Seaman Estate Pond Study Samples on October 9, 2018.
- Remove carbon from the columns to prevent caking on October 30th and 31st, 2018.

First Quarter – 2019 Plans

- Collect first quarter groundwater samples.
- Continue searching for a replacement operator.
- Request meeting with IEPA to discuss monitored natural attenuation process.

Problems Encountered or Anticipated Problems

The pump and treat system was shut down and placed in standby mode as detailed in the September 11, 2017 letter sent to the IEPA. We have treated 1,273,184,692 gallons of groundwater through the system since startup until the end of August 2017. There has not been any migration of contamination off-site.

Sincerely yours,

Donald L. Richardson, P.E, PMP, CHMM, BCEE
Environmental Specialist
Environmental Services

cc: File WM10.33

REVIEWED

JAN 18 2019

IEPA-BOL-FSRS

19-68582

0218160007-Christian
Taylorville/Ameren CIPS
SF/TECH

Environmental
Resources
Management

December 4, 2018

1701 Golf Road
Suite 1-700
Rolling Meadows, IL 60008
(314) 733-4490
(314) 754-8121 (fax)

Mr. Don Richardson
Ameren Services Company
Consulting Environmental Engineer
1901 Chouteau Avenue / MC 602
St. Louis, Missouri 63103



RE: Year 2018 Quarter 4 Groundwater Sampling Results
Former MGP Site - Taylorville, Illinois

Dear Don:

Environmental Resources Management (ERM) appreciates the opportunity to provide groundwater sampling services at the Ameren former MGP site in Taylorville, Illinois. ERM has been performing quarterly groundwater sampling at the Taylorville site for Ameren since the start of remediation activities.

Attached are the results from the fourth quarter of sampling in 2018 at the Taylorville site. The data is similar to what has been observed in the past, in that impacts exceeding applicable remediation objectives (ROs) are noted primarily at Monitoring Well GW-4R. Concentrations of MGP constituents in Monitoring Well GW-3 are similar to the Quarter 3 sampling event. This monitoring well is located downgradient of the former MGP, on Ameren property. The wells on the downgradient edge of the site did not have exceedances to the ROs, including wells GW-16S, GW-16D, and the proposed compliance well GW-17. An estimated concentration of benzene was identified at GW-16D, at concentrations slightly higher than Quarter 2. Detectable volatile organic compounds were not observed at GW-16S, which is located immediately adjacent to GW-16D. Analytical services were provided by Teklab, and are attached.

ERM appreciates the opportunity to provide groundwater sampling activities at the Taylorville former MGP site. Should you have any questions, please contact me at (217) 529-0914.

Sincerely,

A handwritten signature in black ink that reads "Brett D. Carney".

Brett D. Carney, P.G.
Project Manager
Environmental Resources Management
68 Villa Grove
Springfield, IL 62712

RECEIVED

JAN 18 2019

EPA-BOL-FSRS

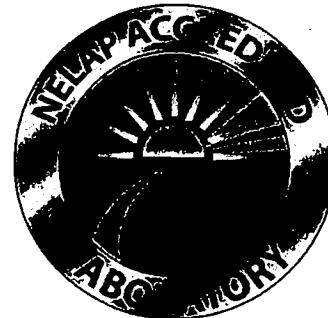
ATTACHMENT

ANALYTICAL RESULTS

NOVEMBER 2018

November 19, 2018

Brett Carney
ERM
68 Villa Grove
Springfield, IL 62712
TEL: (217) 529-0914
FAX:



RE: Ameren Taylorville 4th Qtr 2018

WorkOrder: 18110611

Dear Brett Carney:

TEKLAB, INC received 22 samples on 11/8/2018 4:20:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Michael L. Austin
Project Manager
(618)344-1004 ex 16
MAustin@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Work Order: 18110611

Report Date: 19-Nov-2018

This reporting package includes the following:

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Definitions

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Abbr Definition

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

Qualifiers

- Unknown hydrocarbon

B - Analyte detected in associated Method Blank

C - RL shown is a Client Requested Quantitation Limit

E - Value above quantitation range

H - Holding times exceeded

I - Associated internal standard was outside method criteria

J - Analyte detected below quantitation limits

M - Manual Integration used to determine area response

ND - Not Detected at the Reporting Limit

R - RPD outside accepted recovery limits

S - Spike Recovery outside recovery limits

T - TIC(Tentatively identified compound)

X - Value exceeds Maximum Contaminant Level



Case Narrative

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Work Order: 18110611

Report Date: 19-Nov-2018

Cooler Receipt Temp: 4.62 °C

Locations

Collinsville		Springfield	Kansas City
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	Address	3920 Pintail Dr. Springfield, IL 62711-9415
Phone	(618) 344-1004	Phone	(217) 698-1004
Fax	(618) 344-1005	Fax	(217) 698-1005
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com
Collinsville Air		Chicago	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	Address	1319 Butterfield Rd. Downers Grove, IL 60515
Phone	(618) 344-1004	Phone	(630) 324-6855
Fax	(618) 344-1005	Fax	
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com



Accreditations

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2019	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2019	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2019	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2019	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2019	Collinsville
Arkansas	ADEQ	88-0966		3/14/2019	Collinsville
Illinois	IDPH	17584		5/31/2019	Collinsville
Indiana	ISDH	C-IL-06		1/31/2019	Collinsville
Kentucky	KDEP	98006		12/31/2018	Collinsville
Kentucky	UST	0073		1/31/2019	Collinsville
Louisiana	LDPH	LA170027		12/31/2018	Collinsville
Missouri	MDNR	930		1/31/2019	Collinsville
Missouri	MDNR	00930		5/31/2019	Collinsville
Tennessee	TDEC	04905		1/31/2019	Collinsville



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-001

Client Sample ID: GW-16D

Matrix: GROUNDWATER

Collection Date: 11/06/2018 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:05	147605
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:05	147605
Anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:05	147605
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:05	147605
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:05	147605
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:05	147605
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:05	147605
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:05	147605
Bis(2-ethylhexyl)phthalate	NELAP	0.00500		0.00566	mg/L	5	11/16/2018 11:29	147605
Chrysene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:05	147605
Dibeno(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:05	147605
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/15/2018 1:05	147605
Fluorene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:05	147605
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:05	147605
Naphthalene	NELAP	0.000200		ND	mg/L	1	11/15/2018 1:05	147605
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/15/2018 1:05	147605
Pyrene	NELAP	0.000200		ND	mg/L	1	11/15/2018 1:05	147605
Sur: 2-Fluorobiphenyl	*	10-164		80.5	%REC	1	11/15/2018 1:05	147605
Sur: Nitrobenzene-d5	*	10.3-142		87.6	%REC	1	11/15/2018 1:05	147605
Sur: p-Terphenyl-d14	*	47.1-148		107.6	%REC	1	11/15/2018 1:05	147605
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		0.56	µg/L	1	11/10/2018 2:02	147662
Bromoform	NELAP	2.00		ND	µg/L	1	11/10/2018 2:02	147662
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/10/2018 2:02	147662
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/10/2018 2:02	147662
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/10/2018 2:02	147662
Naphthalene	NELAP	2.00		ND	µg/L	1	11/10/2018 2:02	147662
o-Xylene	NELAP	1.00		ND	µg/L	1	11/10/2018 2:02	147662
Toluene	NELAP	2.00		ND	µg/L	1	11/10/2018 2:02	147662
trans-1,2-Dichloroethene	NELAP	2.0		0.30	µg/L	1	11/10/2018 2:02	147662
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/10/2018 2:02	147662
Sur: 1,2-Dichloroethane-d4	*	79.6-118		101.5	%REC	1	11/10/2018 2:02	147662
Sur: 4-Bromofluorobenzene	*	83.9-115		90.0	%REC	1	11/10/2018 2:02	147662
Sur: Dibromofluoromethane	*	84.9-113		97.9	%REC	1	11/10/2018 2:02	147662
Sur: Toluene-d8	*	86.7-112		94.7	%REC	1	11/10/2018 2:02	147662



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-002

Client Sample ID: GW-16S

Matrix: GROUNDWATER

Collection Date: 11/06/2018 14:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:43	147605
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:43	147605
Anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:43	147605
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:43	147605
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:43	147605
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:43	147605
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:43	147605
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:43	147605
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	11/15/2018 1:43	147605
Chrysene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:43	147605
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:43	147605
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/15/2018 1:43	147605
Fluorene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:43	147605
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 1:43	147605
Naphthalene	NELAP	0.000200		ND	mg/L	1	11/15/2018 1:43	147605
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/15/2018 1:43	147605
Pyrene	NELAP	0.000200		ND	mg/L	1	11/15/2018 1:43	147605
Surr: 2-Fluorobiphenyl	*	10-164		79.0	%REC	1	11/15/2018 1:43	147605
Surr: Nitrobenzene-d5	*	10.3-142		79.0	%REC	1	11/15/2018 1:43	147605
Surr: p-Terphenyl-d14	*	47.1-148		89.7	%REC	1	11/15/2018 1:43	147605
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/10/2018 2:28	147662
Bromoform	NELAP	2.00		ND	µg/L	1	11/10/2018 2:28	147662
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/10/2018 2:28	147662
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/10/2018 2:28	147662
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/10/2018 2:28	147662
Naphthalene	NELAP	2.00		ND	µg/L	1	11/10/2018 2:28	147662
o-Xylene	NELAP	1.00		ND	µg/L	1	11/10/2018 2:28	147662
Toluene	NELAP	2.00		ND	µg/L	1	11/10/2018 2:28	147662
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/10/2018 2:28	147662
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/10/2018 2:28	147662
Surr: 1,2-Dichloroethane-d4	*	79.6-118		101.5	%REC	1	11/10/2018 2:28	147662
Surr: 4-Bromofluorobenzene	*	83.9-115		93.4	%REC	1	11/10/2018 2:28	147662
Surr: Dibromofluoromethane	*	84.9-113		100.0	%REC	1	11/10/2018 2:28	147662
Surr: Toluene-d8	*	86.7-112		94.1	%REC	1	11/10/2018 2:28	147662



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-003

Client Sample ID: GW-17

Matrix: GROUNDWATER

Collection Date: 11/06/2018 15:04

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:21	147605
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:21	147605
Anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:21	147605
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:21	147605
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:21	147605
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:21	147605
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:21	147605
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:21	147605
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	11/15/2018 2:21	147605
Chrysene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:21	147605
Dibeno(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:21	147605
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/15/2018 2:21	147605
Fluorene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:21	147605
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:21	147605
Naphthalene	NELAP	0.000200		ND	mg/L	1	11/15/2018 2:21	147605
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/15/2018 2:21	147605
Pyrene	NELAP	0.000200		ND	mg/L	1	11/15/2018 2:21	147605
Surrogate: 2-Fluorobiphenyl	*	10-164		69.5	%REC	1	11/15/2018 2:21	147605
Surrogate: Nitrobenzene-d5	*	10.3-142		74.9	%REC	1	11/15/2018 2:21	147605
Surrogate: p-Terphenyl-d14	*	47.1-148		91.5	%REC	1	11/15/2018 2:21	147605
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/10/2018 2:54	147662
Bromoform	NELAP	2.00		ND	µg/L	1	11/10/2018 2:54	147662
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/10/2018 2:54	147662
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/10/2018 2:54	147662
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/10/2018 2:54	147662
Naphthalene	NELAP	2.00		ND	µg/L	1	11/10/2018 2:54	147662
o-Xylene	NELAP	1.00		ND	µg/L	1	11/10/2018 2:54	147662
Toluene	NELAP	2.00		ND	µg/L	1	11/10/2018 2:54	147662
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/10/2018 2:54	147662
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/10/2018 2:54	147662
Surrogate: 1,2-Dichloroethane-d4	*	79.6-118		100.9	%REC	1	11/10/2018 2:54	147662
Surrogate: 4-Bromofluorobenzene	*	83.9-115		94.9	%REC	1	11/10/2018 2:54	147662
Surrogate: Dibromofluoromethane	*	84.9-113		98.0	%REC	1	11/10/2018 2:54	147662
Surrogate: Toluene-d8	*	86.7-112		94.6	%REC	1	11/10/2018 2:54	147662



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-004

Client Sample ID: GW-7

Matrix: GROUNDWATER

Collection Date: 11/06/2018 16:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		0.000149	mg/L	1	11/15/2018 2:59	147605
Acenaphthylene	NELAP	0.000100		0.000270	mg/L	1	11/15/2018 2:59	147605
Anthracene	NELAP	0.000100		0.00164	mg/L	1	11/15/2018 2:59	147605
Benzo(a)anthracene	NELAP	0.000100		0.000224	mg/L	1	11/15/2018 2:59	147605
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:59	147605
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:59	147605
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:59	147605
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:59	147605
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.00353	mg/L	1	11/15/2018 2:59	147605
Chrysene	NELAP	0.000100		0.000135	mg/L	1	11/15/2018 2:59	147605
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:59	147605
Fluoranthene	NELAP	0.000200		0.00204	mg/L	1	11/15/2018 2:59	147605
Fluorene	NELAP	0.000100		0.000353	mg/L	1	11/15/2018 2:59	147605
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 2:59	147605
Naphthalene	NELAP	0.000200		ND	mg/L	1	11/15/2018 2:59	147605
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/15/2018 2:59	147605
Pyrene	NELAP	0.000200		0.00281	mg/L	1	11/15/2018 2:59	147605
Surr: 2-Fluorobiphenyl	*	10-164		78.9	%REC	1	11/15/2018 2:59	147605
Surr: Nitrobenzene-d5	*	10.3-142		80.0	%REC	1	11/15/2018 2:59	147605
Surr: p-Terphenyl-d14	*	47.1-148		88.0	%REC	1	11/15/2018 2:59	147605
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/10/2018 3:19	147662
Bromoform	NELAP	2.00		ND	µg/L	1	11/10/2018 3:19	147662
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/10/2018 3:19	147662
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/10/2018 3:19	147662
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/10/2018 3:19	147662
Naphthalene	NELAP	2.00		ND	µg/L	1	11/10/2018 3:19	147662
o-Xylene	NELAP	1.00		ND	µg/L	1	11/10/2018 3:19	147662
Toluene	NELAP	2.00		ND	µg/L	1	11/10/2018 3:19	147662
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/10/2018 3:19	147662
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/10/2018 3:19	147662
Surr: 1,2-Dichloroethane-d4	*	79.6-118		101.5	%REC	1	11/10/2018 3:19	147662
Surr: 4-Bromofluorobenzene	*	83.9-115		92.4	%REC	1	11/10/2018 3:19	147662
Surr: Dibromofluoromethane	*	84.9-113		98.7	%REC	1	11/10/2018 3:19	147662
Surr: Toluene-d8	*	86.7-112		93.9	%REC	1	11/10/2018 3:19	147662



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-005

Client Sample ID: GW-14

Matrix: GROUNDWATER

Collection Date: 11/07/2018 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:11	147730
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:11	147730
Anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:11	147730
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:11	147730
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:11	147730
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:11	147730
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:11	147730
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:11	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.0100		0.0126	mg/L	5	11/16/2018 12:06	147730
Chrysene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:11	147730
Dibeno(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:11	147730
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/15/2018 14:11	147730
Fluorene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:11	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:11	147730
Naphthalene	NELAP	0.000200		ND	mg/L	1	11/15/2018 14:11	147730
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/15/2018 14:11	147730
Pyrene	NELAP	0.000200		ND	mg/L	1	11/15/2018 14:11	147730
Surrogate: 2-Fluorobiphenyl	*	10-164		77.8	%REC	1	11/15/2018 14:11	147730
Surrogate: Nitrobenzene-d5	*	10.3-142		75.8	%REC	1	11/15/2018 14:11	147730
Surrogate: p-Terphenyl-d14	*	47.1-148		100.5	%REC	1	11/15/2018 14:11	147730
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/10/2018 3:45	147662
Bromoform	NELAP	2.00		ND	µg/L	1	11/10/2018 3:45	147662
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/10/2018 3:45	147662
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/10/2018 3:45	147662
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/10/2018 3:45	147662
Naphthalene	NELAP	2.00		ND	µg/L	1	11/10/2018 3:45	147662
o-Xylene	NELAP	1.00		ND	µg/L	1	11/10/2018 3:45	147662
Toluene	NELAP	2.00		ND	µg/L	1	11/10/2018 3:45	147662
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/10/2018 3:45	147662
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/10/2018 3:45	147662
Surrogate: 1,2-Dichloroethane-d4	*	79.6-118		98.6	%REC	1	11/10/2018 3:45	147662
Surrogate: 4-Bromofluorobenzene	*	83.9-115		93.4	%REC	1	11/10/2018 3:45	147662
Surrogate: Dibromofluoromethane	*	84.9-113		99.0	%REC	1	11/10/2018 3:45	147662
Surrogate: Toluene-d8	*	86.7-112		93.2	%REC	1	11/10/2018 3:45	147662



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-006

Client Sample ID: GW-22D

Matrix: GROUNDWATER

Collection Date: 11/07/2018 11:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:52	147730
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:52	147730
Anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:52	147730
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:52	147730
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:52	147730
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:52	147730
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:52	147730
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:52	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.00500		0.00579	mg/L	5	11/16/2018 12:44	147730
Chrysene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:52	147730
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:52	147730
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/15/2018 14:52	147730
Fluorene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:52	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 14:52	147730
Naphthalene	NELAP	0.000200		ND	mg/L	1	11/15/2018 14:52	147730
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/15/2018 14:52	147730
Pyrene	NELAP	0.000200		ND	mg/L	1	11/15/2018 14:52	147730
Surr: 2-Fluorobiphenyl	•	10-164		79.9	%REC	1	11/15/2018 14:52	147730
Surr: Nitrobenzene-d5	•	10.3-142		71.3	%REC	1	11/15/2018 14:52	147730
Surr: p-Terphenyl-d14	•	47.1-148		107.5	%REC	1	11/15/2018 14:52	147730
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/10/2018 4:11	147662
Bromoform	NELAP	2.00		ND	µg/L	1	11/10/2018 4:11	147662
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/10/2018 4:11	147662
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/10/2018 4:11	147662
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/10/2018 4:11	147662
Naphthalene	NELAP	2.00		ND	µg/L	1	11/10/2018 4:11	147662
o-Xylene	NELAP	1.00		ND	µg/L	1	11/10/2018 4:11	147662
Toluene	NELAP	2.00		ND	µg/L	1	11/10/2018 4:11	147662
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/10/2018 4:11	147662
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/10/2018 4:11	147662
Surr: 1,2-Dichloroethane-d4	•	79.6-118		101.0	%REC	1	11/10/2018 4:11	147662
Surr: 4-Bromofluorobenzene	•	83.9-115		92.6	%REC	1	11/10/2018 4:11	147662
Surr: Dibromofluoromethane	•	84.9-113		98.9	%REC	1	11/10/2018 4:11	147662
Surr: Toluene-d8	•	86.7-112		93.0	%REC	1	11/10/2018 4:11	147662

Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-007

Client Sample ID: GW-22S

Matrix: GROUNDWATER

Collection Date: 11/07/2018 11:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 15:33	147730
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 15:33	147730
Anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 15:33	147730
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 15:33	147730
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 15:33	147730
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 15:33	147730
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 15:33	147730
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 15:33	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	11/15/2018 15:33	147730
Chrysene	NELAP	0.000100		ND	mg/L	1	11/15/2018 15:33	147730
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 15:33	147730
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/15/2018 15:33	147730
Fluorene	NELAP	0.000100		ND	mg/L	1	11/15/2018 15:33	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 15:33	147730
Naphthalene	NELAP	0.000200		ND	mg/L	1	11/15/2018 15:33	147730
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/15/2018 15:33	147730
Pyrene	NELAP	0.000200		ND	mg/L	1	11/15/2018 15:33	147730
Surr: 2-Fluorobiphenyl	*	10-164		80.4	%REC	1	11/15/2018 15:33	147730
Surr: Nitrobenzene-d5	*	10.3-142		79.3	%REC	1	11/15/2018 15:33	147730
Surr: p-Terphenyl-d14	*	47.1-148		104.5	%REC	1	11/15/2018 15:33	147730
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/10/2018 4:37	147662
Bromoform	NELAP	2.00		ND	µg/L	1	11/10/2018 4:37	147662
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/10/2018 4:37	147662
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/10/2018 4:37	147662
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/10/2018 4:37	147662
Naphthalene	NELAP	2.00		ND	µg/L	1	11/10/2018 4:37	147662
o-Xylene	NELAP	1.00		ND	µg/L	1	11/10/2018 4:37	147662
Toluene	NELAP	2.00		ND	µg/L	1	11/10/2018 4:37	147662
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/10/2018 4:37	147662
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/10/2018 4:37	147662
Surr: 1,2-Dichloroethane-d4	*	79.6-118		100.0	%REC	1	11/10/2018 4:37	147662
Surr: 4-Bromofluorobenzene	*	83.9-115		92.3	%REC	1	11/10/2018 4:37	147662
Surr: Dibromofluoromethane	*	84.9-113		98.9	%REC	1	11/10/2018 4:37	147662
Surr: Toluene-d8	*	86.7-112		91.3	%REC	1	11/10/2018 4:37	147662



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-008

Client Sample ID: GW-5

Matrix: GROUNDWATER

Collection Date: 11/07/2018 13:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 16:14	147730
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 16:14	147730
Anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 16:14	147730
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 16:14	147730
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 16:14	147730
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 16:14	147730
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 16:14	147730
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 16:14	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.00287	mg/L	1	11/15/2018 16:14	147730
Chrysene	NELAP	0.000100		ND	mg/L	1	11/15/2018 16:14	147730
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 16:14	147730
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/15/2018 16:14	147730
Fluorene	NELAP	0.000100		ND	mg/L	1	11/15/2018 16:14	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 16:14	147730
Naphthalene	NELAP	0.000200		ND	mg/L	1	11/15/2018 16:14	147730
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/15/2018 16:14	147730
Pyrene	NELAP	0.000200		ND	mg/L	1	11/15/2018 16:14	147730
Surr: 2-Fluorobiphenyl	*	10-164		76.5	%REC	1	11/15/2018 16:14	147730
Surr: Nitrobenzene-d5	*	10.3-142		72.2	%REC	1	11/15/2018 16:14	147730
Surr: p-Terphenyl-d14	*	47.1-148		91.8	%REC	1	11/15/2018 16:14	147730
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/10/2018 5:03	147662
Bromoform	NELAP	2.00		ND	µg/L	1	11/10/2018 5:03	147662
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/10/2018 5:03	147662
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/10/2018 5:03	147662
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/10/2018 5:03	147662
Naphthalene	NELAP	2.00		ND	µg/L	1	11/10/2018 5:03	147662
o-Xylene	NELAP	1.00		ND	µg/L	1	11/10/2018 5:03	147662
Toluene	NELAP	2.00		ND	µg/L	1	11/10/2018 5:03	147662
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/10/2018 5:03	147662
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/10/2018 5:03	147662
Surr: 1,2-Dichloroethane-d4	*	79.6-118		100.6	%REC	1	11/10/2018 5:03	147662
Surr: 4-Bromofluorobenzene	*	83.9-115		91.5	%REC	1	11/10/2018 5:03	147662
Surr: Dibromofluoromethane	*	84.9-113		97.9	%REC	1	11/10/2018 5:03	147662
Surr: Toluene-d8	*	86.7-112		93.4	%REC	1	11/10/2018 5:03	147662



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Lab ID: 18110611-009

Matrix: GROUNDWATER

Work Order: 18110611

Report Date: 19-Nov-2018

Client Sample ID: GW-15

Collection Date: 11/07/2018 15:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100	S	ND	mg/L	1	11/15/2018 16:54	147730
Acenaphthylene	NELAP	0.00010	JS	0.000063	mg/L	1	11/15/2018 16:54	147730
Anthracene	NELAP	0.000100	S	ND	mg/L	1	11/15/2018 16:54	147730
Benzo(a)anthracene	NELAP	0.000100	S	ND	mg/L	1	11/15/2018 16:54	147730
Benzo(a)pyrene	NELAP	0.000100	S	ND	mg/L	1	11/15/2018 16:54	147730
Benzo(b)fluoranthene	NELAP	0.000100	S	ND	mg/L	1	11/15/2018 16:54	147730
Benzo(g,h,i)perylene	NELAP	0.000100	S	ND	mg/L	1	11/15/2018 16:54	147730
Benzo(k)fluoranthene	NELAP	0.000100	S	ND	mg/L	1	11/15/2018 16:54	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.00390	mg/L	1	11/15/2018 16:54	147730
Chrysene	NELAP	0.000100	S	ND	mg/L	1	11/15/2018 16:54	147730
Dibeno(a,h)anthracene	NELAP	0.000100	S	ND	mg/L	1	11/15/2018 16:54	147730
Fluoranthene	NELAP	0.000200	S	ND	mg/L	1	11/15/2018 16:54	147730
Fluorene	NELAP	0.000100	S	ND	mg/L	1	11/15/2018 16:54	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.000100	S	ND	mg/L	1	11/15/2018 16:54	147730
Naphthalene	NELAP	0.000200	S	0.000209	mg/L	1	11/15/2018 16:54	147730
Phenanthrene	NELAP	0.000400	S	ND	mg/L	1	11/15/2018 16:54	147730
Pyrene	NELAP	0.000200	S	ND	mg/L	1	11/15/2018 16:54	147730
Sur: 2-Fluorobiphenyl	*	10-164		77.9	%REC	1	11/15/2018 16:54	147730
Sur: Nitrobenzene-d5	*	10.3-142		74.3	%REC	1	11/15/2018 16:54	147730
Sur: p-Terphenyl-d14	*	47.1-148		93.3	%REC	1	11/15/2018 16:54	147730

MS/MSD was not spiked due to lab error. Insufficient sample to re-extract.

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030,8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/10/2018 7:38	147662
Bromoform	NELAP	2.00		ND	µg/L	1	11/10/2018 7:38	147662
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/10/2018 7:38	147662
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/10/2018 7:38	147662
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/10/2018 7:38	147662
Naphthalene	NELAP	2.00		ND	µg/L	1	11/10/2018 7:38	147662
o-Xylene	NELAP	1.00		ND	µg/L	1	11/10/2018 7:38	147662
Toluene	NELAP	2.00		ND	µg/L	1	11/10/2018 7:38	147662
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/10/2018 7:38	147662
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/10/2018 7:38	147662
Sur: 1,2-Dichloroethane-d4	*	79.6-118		99.8	%REC	1	11/10/2018 7:38	147662
Sur: 4-Bromofluorobenzene	*	83.9-115		90.3	%REC	1	11/10/2018 7:38	147662
Sur: Dibromofluoromethane	*	84.9-113		98.4	%REC	1	11/10/2018 7:38	147662
Sur: Toluene-d8	*	86.7-112		92.1	%REC	1	11/10/2018 7:38	147662



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-010

Client Sample ID: GW-4R

Matrix: GROUNDWATER

Collection Date: 11/07/2018 15:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.00250		0.0109	mg/L	25	11/16/2018 13:58	147730
Acenaphthylene	NELAP	0.00250		0.00470	mg/L	25	11/16/2018 13:58	147730
Anthracene	NELAP	0.00250		ND	mg/L	25	11/16/2018 13:58	147730
Benzo(a)anthracene	NELAP	0.00250		ND	mg/L	25	11/16/2018 13:58	147730
Benzo(a)pyrene	NELAP	0.00250		ND	mg/L	25	11/16/2018 13:58	147730
Benzo(b)fluoranthene	NELAP	0.00250		ND	mg/L	25	11/16/2018 13:58	147730
Benzo(g,h,i)perylene	NELAP	0.00250		ND	mg/L	25	11/16/2018 13:58	147730
Benzo(k)fluoranthene	NELAP	0.00250		ND	mg/L	25	11/16/2018 13:58	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.0500		ND	mg/L	25	11/16/2018 13:58	147730
Chrysene	NELAP	0.00250		ND	mg/L	25	11/16/2018 13:58	147730
Dibenzo(a,h)anthracene	NELAP	0.00250		ND	mg/L	25	11/16/2018 13:58	147730
Fluoranthene	NELAP	0.00500		ND	mg/L	25	11/16/2018 13:58	147730
Fluorene	NELAP	0.00250		0.0505	mg/L	25	11/16/2018 13:58	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.00250		ND	mg/L	25	11/16/2018 13:58	147730
Naphthalene	NELAP	0.200		2.52	mg/L	1000	11/16/2018 15:51	147730
Phenanthrene	NELAP	0.0100		0.0447	mg/L	25	11/16/2018 13:58	147730
Pyrene	NELAP	0.00500		ND	mg/L	25	11/16/2018 13:58	147730
Surr: 2-Fluorobiphenyl	*	10-164		65.2	%REC	25	11/16/2018 13:58	147730
Surr: Nitrobenzene-d5	*	10.3-142		77.5	%REC	25	11/16/2018 13:58	147730
Surr: p-Terphenyl-d14	*	47.1-148		71.8	%REC	25	11/16/2018 13:58	147730

Elevated reporting limit due to high levels of target analytes.

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	50.0		958	µg/L	100	11/10/2018 5:29	147662
Bromoform	NELAP	200		ND	µg/L	100	11/10/2018 5:29	147662
Ethylbenzene	NELAP	100		182	µg/L	100	11/10/2018 5:29	147662
m,p-Xylenes	NELAP	100		173	µg/L	100	11/10/2018 5:29	147662
Methylene chloride	NELAP	200		ND	µg/L	100	11/10/2018 5:29	147662
Naphthalene	NELAP	200		3680	µg/L	100	11/10/2018 5:29	147662
o-Xylene	NELAP	100		151	µg/L	100	11/10/2018 5:29	147662
Toluene	NELAP	200		297	µg/L	100	11/10/2018 5:29	147662
trans-1,2-Dichloroethene	NELAP	200		ND	µg/L	100	11/10/2018 5:29	147662
Xylenes, Total	NELAP	100		324	µg/L	100	11/10/2018 5:29	147662
Surr: 1,2-Dichloroethane-d4	*	79.6-118		102.7	%REC	100	11/10/2018 5:29	147662
Surr: 4-Bromofluorobenzene	*	83.9-115		92.6	%REC	100	11/10/2018 5:29	147662
Surr: Dibromofluoromethane	*	84.9-113		98.8	%REC	100	11/10/2018 5:29	147662
Surr: Toluene-d8	*	86.7-112		94.2	%REC	100	11/10/2018 5:29	147662

Elevated reporting limit due to high levels of target and/or non-target analytes.



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Lab ID: 18110611-011

Matrix: GROUNDWATER

Work Order: 18110611

Report Date: 19-Nov-2018

Client Sample ID: GW-4R DUP

Collection Date: 11/07/2018 15:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.00250		0.0108	mg/L	25	11/16/2018 14:36	147730
Acenaphthylene	NELAP	0.00250		0.00445	mg/L	25	11/16/2018 14:36	147730
Anthracene	NELAP	0.0025	J	0.0018	mg/L	25	11/16/2018 14:36	147730
Benzo(a)anthracene	NELAP	0.00250		ND	mg/L	25	11/16/2018 14:36	147730
Benzo(a)pyrene	NELAP	0.00250		ND	mg/L	25	11/16/2018 14:36	147730
Benzo(b)fluoranthene	NELAP	0.00250		ND	mg/L	25	11/16/2018 14:36	147730
Benzo(g,h,i)perylene	NELAP	0.00250		ND	mg/L	25	11/16/2018 14:36	147730
Benzo(k)fluoranthene	NELAP	0.00250		ND	mg/L	25	11/16/2018 14:36	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.0500		ND	mg/L	25	11/16/2018 14:36	147730
Chrysene	NELAP	0.00250		ND	mg/L	25	11/16/2018 14:36	147730
Dibenzo(a,h)anthracene	NELAP	0.00250		ND	mg/L	25	11/16/2018 14:36	147730
Fluoranthene	NELAP	0.00500		ND	mg/L	25	11/16/2018 14:36	147730
Fluorene	NELAP	0.00250		0.0507	mg/L	25	11/16/2018 14:36	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.00250		ND	mg/L	25	11/16/2018 14:36	147730
Naphthalene	NELAP	0.200		2.57	mg/L	1000	11/16/2018 16:29	147730
Phenanthrene	NELAP	0.0100		0.0450	mg/L	25	11/16/2018 14:36	147730
Pyrene	NELAP	0.00500		ND	mg/L	25	11/16/2018 14:36	147730
Surr: 2-Fluorobiphenyl	*	10-164		64.8	%REC	25	11/16/2018 14:36	147730
Surr: Nitrobenzene-d5	*	10.3-142		71.8	%REC	25	11/16/2018 14:36	147730
Surr: p-Terphenyl-d14	*	47.1-148		73.0	%REC	25	11/16/2018 14:36	147730

Elevated reporting limit due to high levels of target analytes.

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	50.0		871	µg/L	100	11/10/2018 5:55	147662
Bromoform	NELAP	200		ND	µg/L	100	11/10/2018 5:55	147662
Ethylbenzene	NELAP	100		177	µg/L	100	11/10/2018 5:55	147662
m,p-Xylenes	NELAP	100		155	µg/L	100	11/10/2018 5:55	147662
Methylene chloride	NELAP	200		ND	µg/L	100	11/10/2018 5:55	147662
Naphthalene	NELAP	200		3690	µg/L	100	11/10/2018 5:55	147662
o-Xylene	NELAP	100		139	µg/L	100	11/10/2018 5:55	147662
Toluene	NELAP	200		281	µg/L	100	11/10/2018 5:55	147662
trans-1,2-Dichloroethene	NELAP	200		ND	µg/L	100	11/10/2018 5:55	147662
Xylenes, Total	NELAP	100		294	µg/L	100	11/10/2018 5:55	147662
Surr: 1,2-Dichloroethane-d4	*	79.6-118		99.5	%REC	100	11/10/2018 5:55	147662
Surr: 4-Bromofluorobenzene	*	83.9-115		91.6	%REC	100	11/10/2018 5:55	147662
Surr: Dibromofluoromethane	*	84.9-113		97.3	%REC	100	11/10/2018 5:55	147662
Surr: Toluene-d8	*	86.7-112		91.6	%REC	100	11/10/2018 5:55	147662

Elevated reporting limit due to high levels of target and/or non-target analytes.



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Lab ID: 18110611-012

Matrix: GROUNDWATER

Work Order: 18110611

Report Date: 19-Nov-2018

Client Sample ID: GW-3

Collection Date: 11/07/2018 16:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:10	147730
Acenaphthylene	NELAP	0.00010	J	0.000083	mg/L	1	11/15/2018 22:10	147730
Anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:10	147730
Benzo(a)anthracene	NELAP	0.00010	J	0.000096	mg/L	1	11/15/2018 22:10	147730
Benzo(a)pyrene	NELAP	0.00010	J	0.000072	mg/L	1	11/15/2018 22:10	147730
Benzo(b)fluoranthene	NELAP	0.000100		0.000101	mg/L	1	11/15/2018 22:10	147730
Benzo(g,h,i)perylene	NELAP	0.00010	J	0.000051	mg/L	1	11/15/2018 22:10	147730
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:10	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.00266	mg/L	1	11/15/2018 22:10	147730
Chrysene	NELAP	0.00010	J	0.000076	mg/L	1	11/15/2018 22:10	147730
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:10	147730
Fluoranthene	NELAP	0.000200		0.000901	mg/L	1	11/15/2018 22:10	147730
Fluorene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:10	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:10	147730
Naphthalene	NELAP	0.000200		0.000978	mg/L	1	11/15/2018 22:10	147730
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/15/2018 22:10	147730
Pyrene	NELAP	0.000200		0.00118	mg/L	1	11/15/2018 22:10	147730
Surr: 2-Fluorobiphenyl	*	10-164		65.9	%REC	1	11/15/2018 22:10	147730
Surr: Nitrobenzene-d5	*	10.3-142		57.6	%REC	1	11/15/2018 22:10	147730
Surr: p-Terphenyl-d14	*	47.1-148		82.2	%REC	1	11/15/2018 22:10	147730
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50	J	0.41	µg/L	1	11/10/2018 6:21	147662
Bromoform	NELAP	2.00		ND	µg/L	1	11/10/2018 6:21	147662
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/10/2018 6:21	147662
m,p-Xylenes	NELAP	1.0	J	0.31	µg/L	1	11/10/2018 6:21	147662
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/10/2018 6:21	147662
Naphthalene	NELAP	2.0	J	1.8	µg/L	1	11/10/2018 6:21	147662
o-Xylene	NELAP	1.00		1.02	µg/L	1	11/10/2018 6:21	147662
Toluene	NELAP	2.00		ND	µg/L	1	11/10/2018 6:21	147662
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/10/2018 6:21	147662
Xylenes, Total	NELAP	1.00		1.33	µg/L	1	11/10/2018 6:21	147662
Surr: 1,2-Dichloroethane-d4	*	79.6-118		102.1	%REC	1	11/10/2018 6:21	147662
Surr: 4-Bromofluorobenzene	*	83.9-115		91.7	%REC	1	11/10/2018 6:21	147662
Surr: Dibromofluoromethane	*	84.9-113		99.9	%REC	1	11/10/2018 6:21	147662
Surr: Toluene-d8	*	86.7-112		95.0	%REC	1	11/10/2018 6:21	147662

Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-013

Client Sample ID: GW-2

Matrix: GROUNDWATER

Collection Date: 11/07/2018 16:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:49	147730
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:49	147730
Anthracene	NELAP	0.000100		0.000146	mg/L	1	11/15/2018 22:49	147730
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:49	147730
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:49	147730
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:49	147730
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:49	147730
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:49	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	11/15/2018 22:49	147730
Chrysene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:49	147730
Dibeno(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:49	147730
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/15/2018 22:49	147730
Fluorene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:49	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 22:49	147730
Naphthalene	NELAP	0.000200		ND	mg/L	1	11/15/2018 22:49	147730
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/15/2018 22:49	147730
Pyrene	NELAP	0.000200		ND	mg/L	1	11/15/2018 22:49	147730
Surrogate: 2-Fluorobiphenyl	*	10-164		69.6	%REC	1	11/15/2018 22:49	147730
Surrogate: Nitrobenzene-d5	*	10.3-142		62.5	%REC	1	11/15/2018 22:49	147730
Surrogate: p-Terphenyl-d14	*	47.1-148		85.0	%REC	1	11/15/2018 22:49	147730
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/10/2018 6:46	147662
Bromoform	NELAP	2.00		ND	µg/L	1	11/10/2018 6:46	147662
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/10/2018 6:46	147662
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/10/2018 6:46	147662
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/10/2018 6:46	147662
Naphthalene	NELAP	2.00		ND	µg/L	1	11/10/2018 6:46	147662
o-Xylene	NELAP	1.00		ND	µg/L	1	11/10/2018 6:46	147662
Toluene	NELAP	2.00		ND	µg/L	1	11/10/2018 6:46	147662
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/10/2018 6:46	147662
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/10/2018 6:46	147662
Surrogate: 1,2-Dichloroethane-d4	*	79.6-118		99.6	%REC	1	11/10/2018 6:46	147662
Surrogate: 4-Bromofluorobenzene	*	83.9-115		91.7	%REC	1	11/10/2018 6:46	147662
Surrogate: Dibromofluoromethane	*	84.9-113		99.1	%REC	1	11/10/2018 6:46	147662
Surrogate: Toluene-d8	*	86.7-112		92.7	%REC	1	11/10/2018 6:46	147662



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-014

Client Sample ID: GW-18D

Matrix: GROUNDWATER

Collection Date: 11/08/2018 9:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 23:29	147730
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 23:29	147730
Anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 23:29	147730
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 23:29	147730
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 23:29	147730
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 23:29	147730
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/15/2018 23:29	147730
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/15/2018 23:29	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	11/15/2018 23:29	147730
Chrysene	NELAP	0.000100		ND	mg/L	1	11/15/2018 23:29	147730
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/15/2018 23:29	147730
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/15/2018 23:29	147730
Fluorene	NELAP	0.000100		ND	mg/L	1	11/15/2018 23:29	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/15/2018 23:29	147730
Naphthalene	NELAP	0.000200		ND	mg/L	1	11/15/2018 23:29	147730
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/15/2018 23:29	147730
Pyrene	NELAP	0.000200		ND	mg/L	1	11/15/2018 23:29	147730
Surr: 2-Fluorobiphenyl	*	10-164		68.5	%REC	1	11/15/2018 23:29	147730
Surr: Nitrobenzene-d5	*	10.3-142		65.0	%REC	1	11/15/2018 23:29	147730
Surr: p-Terphenyl-d14	*	47.1-148		91.2	%REC	1	11/15/2018 23:29	147730
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/10/2018 7:12	147662
Bromoform	NELAP	2.00		ND	µg/L	1	11/10/2018 7:12	147662
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/10/2018 7:12	147662
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/10/2018 7:12	147662
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/10/2018 7:12	147662
Naphthalene	NELAP	2.00		ND	µg/L	1	11/10/2018 7:12	147662
o-Xylene	NELAP	1.00		ND	µg/L	1	11/10/2018 7:12	147662
Toluene	NELAP	2.00		ND	µg/L	1	11/10/2018 7:12	147662
trans-1,2-Dichloroethene	NELAP	2.0		0.25	µg/L	1	11/10/2018 7:12	147662
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/10/2018 7:12	147662
Surr: 1,2-Dichloroethane-d4	*	79.6-118		100.3	%REC	1	11/10/2018 7:12	147662
Surr: 4-Bromofluorobenzene	*	83.9-115		91.9	%REC	1	11/10/2018 7:12	147662
Surr: Dibromofluoromethane	*	84.9-113		100.1	%REC	1	11/10/2018 7:12	147662
Surr: Toluene-d8	*	86.7-112		93.9	%REC	1	11/10/2018 7:12	147662



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Lab ID: 18110611-015

Work Order: 18110611

Report Date: 19-Nov-2018

Matrix: GROUNDWATER

Client Sample ID: GW-18S

Collection Date: 11/08/2018 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:08	147730
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:08	147730
Anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:08	147730
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:08	147730
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:08	147730
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:08	147730
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:08	147730
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:08	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	11/16/2018 0:08	147730
Chrysene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:08	147730
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:08	147730
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/16/2018 0:08	147730
Fluorene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:08	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:08	147730
Naphthalene	NELAP	0.000200		ND	mg/L	1	11/16/2018 0:08	147730
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/16/2018 0:08	147730
Pyrene	NELAP	0.000200		ND	mg/L	1	11/16/2018 0:08	147730
Surrogate: 2-Fluorobiphenyl	*	10-164		76.8	%REC	1	11/16/2018 0:08	147730
Surrogate: Nitrobenzene-d5	*	10.3-142		71.0	%REC	1	11/16/2018 0:08	147730
Surrogate: p-Terphenyl-d14	*	47.1-148		85.7	%REC	1	11/16/2018 0:08	147730
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/12/2018 13:50	147703
Bromoform	NELAP	2.00		ND	µg/L	1	11/12/2018 13:50	147703
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/12/2018 13:50	147703
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/12/2018 13:50	147703
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/12/2018 13:50	147703
Naphthalene	NELAP	2.00		ND	µg/L	1	11/12/2018 13:50	147703
o-Xylene	NELAP	1.00		ND	µg/L	1	11/12/2018 13:50	147703
Toluene	NELAP	2.00		ND	µg/L	1	11/12/2018 13:50	147703
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/12/2018 13:50	147703
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/12/2018 13:50	147703
Surrogate: 1,2-Dichloroethane-d4	*	79.6-118		98.5	%REC	1	11/12/2018 13:50	147703
Surrogate: 4-Bromofluorobenzene	*	83.9-115		98.5	%REC	1	11/12/2018 13:50	147703
Surrogate: Dibromofluoromethane	*	84.9-113		102.0	%REC	1	11/12/2018 13:50	147703
Surrogate: Toluene-d8	*	86.7-112		96.4	%REC	1	11/12/2018 13:50	147703



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-016

Client Sample ID: GW-19D

Matrix: GROUNDWATER

Collection Date: 11/08/2018 10:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:46	147730
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:46	147730
Anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:46	147730
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:46	147730
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:46	147730
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:46	147730
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:46	147730
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:46	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	11/16/2018 0:46	147730
Chrysene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:46	147730
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:46	147730
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/16/2018 0:46	147730
Fluorene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:46	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/16/2018 0:46	147730
Naphthalene	NELAP	0.000200		ND	mg/L	1	11/16/2018 0:46	147730
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/16/2018 0:46	147730
Pyrene	NELAP	0.000200		ND	mg/L	1	11/16/2018 0:46	147730
Surr: 2-Fluorobiphenyl	*	10-164		69.1	%REC	1	11/16/2018 0:46	147730
Surr: Nitrobenzene-d5	*	10.3-142		59.4	%REC	1	11/16/2018 0:46	147730
Surr: p-Terphenyl-d14	*	47.1-148		89.5	%REC	1	11/16/2018 0:46	147730
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/12/2018 14:17	147703
Bromoform	NELAP	2.00		ND	µg/L	1	11/12/2018 14:17	147703
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/12/2018 14:17	147703
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/12/2018 14:17	147703
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/12/2018 14:17	147703
Naphthalene	NELAP	2.00		ND	µg/L	1	11/12/2018 14:17	147703
o-Xylene	NELAP	1.00		ND	µg/L	1	11/12/2018 14:17	147703
Toluene	NELAP	2.00		ND	µg/L	1	11/12/2018 14:17	147703
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/12/2018 14:17	147703
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/12/2018 14:17	147703
Surr: 1,2-Dichloroethane-d4	*	79.6-118		102.0	%REC	1	11/12/2018 14:17	147703
Surr: 4-Bromofluorobenzene	*	83.9-115		99.6	%REC	1	11/12/2018 14:17	147703
Surr: Dibromofluoromethane	*	84.9-113		102.5	%REC	1	11/12/2018 14:17	147703
Surr: Toluene-d8	*	86.7-112		92.9	%REC	1	11/12/2018 14:17	147703



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-017

Client Sample ID: GW-19S

Matrix: GROUNDWATER

Collection Date: 11/08/2018 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 1:25	147730
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/16/2018 1:25	147730
Anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 1:25	147730
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 1:25	147730
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/16/2018 1:25	147730
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 1:25	147730
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/16/2018 1:25	147730
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 1:25	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	11/16/2018 1:25	147730
Chrysene	NELAP	0.000100		ND	mg/L	1	11/16/2018 1:25	147730
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 1:25	147730
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/16/2018 1:25	147730
Fluorene	NELAP	0.000100		ND	mg/L	1	11/16/2018 1:25	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/16/2018 1:25	147730
Naphthalene	NELAP	0.000200		ND	mg/L	1	11/16/2018 1:25	147730
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/16/2018 1:25	147730
Pyrene	NELAP	0.000200		ND	mg/L	1	11/16/2018 1:25	147730
Surr: 2-Fluorobiphenyl	*	10-164		70.5	%REC	1	11/16/2018 1:25	147730
Surr: Nitrobenzene-d5	*	10.3-142		66.2	%REC	1	11/16/2018 1:25	147730
Surr: p-Terphenyl-d14	*	47.1-148		83.2	%REC	1	11/16/2018 1:25	147730
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/12/2018 14:44	147703
Bromoform	NELAP	2.00		ND	µg/L	1	11/12/2018 14:44	147703
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/12/2018 14:44	147703
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/12/2018 14:44	147703
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/12/2018 14:44	147703
Naphthalene	NELAP	2.00		ND	µg/L	1	11/12/2018 14:44	147703
o-Xylene	NELAP	1.00		ND	µg/L	1	11/12/2018 14:44	147703
Toluene	NELAP	2.00		ND	µg/L	1	11/12/2018 14:44	147703
trans-1,2-Dichloroethene	NELAP	2.0	J	0.11	µg/L	1	11/12/2018 14:44	147703
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/12/2018 14:44	147703
Surr: 1,2-Dichloroethane-d4	*	79.6-118		96.0	%REC	1	11/12/2018 14:44	147703
Surr: 4-Bromofluorobenzene	*	83.9-115		95.6	%REC	1	11/12/2018 14:44	147703
Surr: Dibromofluoromethane	*	84.9-113		99.2	%REC	1	11/12/2018 14:44	147703
Surr: Toluene-d8	*	86.7-112		92.1	%REC	1	11/12/2018 14:44	147703



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-018

Client Sample ID: GW-20

Matrix: GROUNDWATER

Collection Date: 11/08/2018 11:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:04	147730
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:04	147730
Anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:04	147730
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:04	147730
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:04	147730
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:04	147730
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:04	147730
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:04	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	11/16/2018 2:04	147730
Chrysene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:04	147730
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:04	147730
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/16/2018 2:04	147730
Fluorene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:04	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:04	147730
Naphthalene	NELAP	0.00020	J	0.00019	mg/L	1	11/16/2018 2:04	147730
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/16/2018 2:04	147730
Pyrene	NELAP	0.000200		ND	mg/L	1	11/16/2018 2:04	147730
Surr: 2-Fluorobiphenyl	*	10-164		70.6	%REC	1	11/16/2018 2:04	147730
Surr: Nitrobenzene-d5	*	10.3-142		67.4	%REC	1	11/16/2018 2:04	147730
Surr: p-Terphenyl-d14	*	47.1-148		80.2	%REC	1	11/16/2018 2:04	147730
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/12/2018 15:11	147703
Bromoform	NELAP	2.00		ND	µg/L	1	11/12/2018 15:11	147703
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/12/2018 15:11	147703
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/12/2018 15:11	147703
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/12/2018 15:11	147703
Naphthalene	NELAP	2.00		ND	µg/L	1	11/12/2018 15:11	147703
o-Xylene	NELAP	1.00		ND	µg/L	1	11/12/2018 15:11	147703
Toluene	NELAP	2.00		ND	µg/L	1	11/12/2018 15:11	147703
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/12/2018 15:11	147703
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/12/2018 15:11	147703
Surr: 1,2-Dichloroethane-d4	*	79.6-118		100.3	%REC	1	11/12/2018 15:11	147703
Surr: 4-Bromofluorobenzene	*	83.9-115		97.0	%REC	1	11/12/2018 15:11	147703
Surr: Dibromofluoromethane	*	84.9-113		101.9	%REC	1	11/12/2018 15:11	147703
Surr: Toluene-d8	*	86.7-112		96.5	%REC	1	11/12/2018 15:11	147703



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-019

Client Sample ID: GW-1

Matrix: GROUNDWATER

Collection Date: 11/08/2018 13:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:43	147730
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:43	147730
Anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:43	147730
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:43	147730
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:43	147730
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:43	147730
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:43	147730
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:43	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	11/16/2018 2:43	147730
Chrysene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:43	147730
Dibeno(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:43	147730
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/16/2018 2:43	147730
Fluorene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:43	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/16/2018 2:43	147730
Naphthalene	NELAP	0.000200		0.000322	mg/L	1	11/16/2018 2:43	147730
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/16/2018 2:43	147730
Pyrene	NELAP	0.000200		ND	mg/L	1	11/16/2018 2:43	147730
Surr: 2-Fluorobiphenyl	*	10-164		74.3	%REC	1	11/16/2018 2:43	147730
Surr: Nitrobenzene-d5	*	10.3-142		60.9	%REC	1	11/16/2018 2:43	147730
Surr: p-Terphenyl-d14	*	47.1-148		72.3	%REC	1	11/16/2018 2:43	147730
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/12/2018 15:38	147703
Bromoform	NELAP	2.00		ND	µg/L	1	11/12/2018 15:38	147703
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/12/2018 15:38	147703
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/12/2018 15:38	147703
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/12/2018 15:38	147703
Naphthalene	NELAP	2.00		ND	µg/L	1	11/12/2018 15:38	147703
o-Xylene	NELAP	1.00		ND	µg/L	1	11/12/2018 15:38	147703
Toluene	NELAP	2.00		ND	µg/L	1	11/12/2018 15:38	147703
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/12/2018 15:38	147703
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/12/2018 15:38	147703
Surr: 1,2-Dichloroethane-d4	*	79.6-118		99.2	%REC	1	11/12/2018 15:38	147703
Surr: 4-Bromofluorobenzene	*	83.9-115		101.1	%REC	1	11/12/2018 15:38	147703
Surr: Dibromofluoromethane	*	84.9-113		100.4	%REC	1	11/12/2018 15:38	147703
Surr: Toluene-d8	*	86.7-112		90.3	%REC	1	11/12/2018 15:38	147703



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-020

Client Sample ID: GW-1 DUP

Matrix: GROUNDWATER

Collection Date: 11/08/2018 13:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C; SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 3:21	147730
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/16/2018 3:21	147730
Anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 3:21	147730
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 3:21	147730
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/16/2018 3:21	147730
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 3:21	147730
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/16/2018 3:21	147730
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 3:21	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	11/16/2018 3:21	147730
Chrysene	NELAP	0.000100		ND	mg/L	1	11/16/2018 3:21	147730
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 3:21	147730
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/16/2018 3:21	147730
Fluorene	NELAP	0.000100		ND	mg/L	1	11/16/2018 3:21	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/16/2018 3:21	147730
Naphthalene	NELAP	0.000200		0.000695	mg/L	1	11/16/2018 3:21	147730
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/16/2018 3:21	147730
Pyrene	NELAP	0.000200		ND	mg/L	1	11/16/2018 3:21	147730
Surr: 2-Fluorobiphenyl	*	10-164		68.0	%REC	1	11/16/2018 3:21	147730
Surr: Nitrobenzene-d5	*	10.3-142		58.2	%REC	1	11/16/2018 3:21	147730
Surr: p-Terphenyl-d14	*	47.1-148		77.2	%REC	1	11/16/2018 3:21	147730
SW-846 5030, 8260B; VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/12/2018 16:05	147703
Bromoform	NELAP	2.00		ND	µg/L	1	11/12/2018 16:05	147703
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/12/2018 16:05	147703
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/12/2018 16:05	147703
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/12/2018 16:05	147703
Naphthalene	NELAP	2.00		ND	µg/L	1	11/12/2018 16:05	147703
o-Xylene	NELAP	1.00		ND	µg/L	1	11/12/2018 16:05	147703
Toluene	NELAP	2.00		ND	µg/L	1	11/12/2018 16:05	147703
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/12/2018 16:05	147703
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/12/2018 16:05	147703
Surr: 1,2-Dichloroethane-d4	*	79.6-118		101.3	%REC	1	11/12/2018 16:05	147703
Surr: 4-Bromofluorobenzene	*	83.9-115		99.2	%REC	1	11/12/2018 16:05	147703
Surr: Dibromofluoromethane	*	84.9-113		102.1	%REC	1	11/12/2018 16:05	147703
Surr: Toluene-d8	*	86.7-112		94.0	%REC	1	11/12/2018 16:05	147703



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Lab ID: 18110611-021

Work Order: 18110611

Report Date: 19-Nov-2018

Matrix: GROUNDWATER

Client Sample ID: GW-21

Collection Date: 11/08/2018 14:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 4:00	147730
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	11/16/2018 4:00	147730
Anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 4:00	147730
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 4:00	147730
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	11/16/2018 4:00	147730
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 4:00	147730
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	11/16/2018 4:00	147730
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	11/16/2018 4:00	147730
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	11/16/2018 4:00	147730
Chrysene	NELAP	0.000100		ND	mg/L	1	11/16/2018 4:00	147730
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	11/16/2018 4:00	147730
Fluoranthene	NELAP	0.000200		ND	mg/L	1	11/16/2018 4:00	147730
Fluorene	NELAP	0.000100		ND	mg/L	1	11/16/2018 4:00	147730
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	11/16/2018 4:00	147730
Naphthalene	NELAP	0.000200		0.00153	mg/L	1	11/16/2018 4:00	147730
Phenanthrene	NELAP	0.000400		ND	mg/L	1	11/16/2018 4:00	147730
Pyrene	NELAP	0.000200		ND	mg/L	1	11/16/2018 4:00	147730
Surr: 2-Fluorobiphenyl	*	10-164		72.3	%REC	1	11/16/2018 4:00	147730
Surr: Nitrobenzene-d5	*	10.3-142		60.9	%REC	1	11/16/2018 4:00	147730
Surr: p-Terphenyl-d14	*	47.1-148		70.5	%REC	1	11/16/2018 4:00	147730
SW-846 5030,8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/12/2018 16:32	147703
Bromoform	NELAP	2.00		ND	µg/L	1	11/12/2018 16:32	147703
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/12/2018 16:32	147703
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/12/2018 16:32	147703
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/12/2018 16:32	147703
Naphthalene	NELAP	2.00		ND	µg/L	1	11/12/2018 16:32	147703
o-Xylene	NELAP	1.00		ND	µg/L	1	11/12/2018 16:32	147703
Toluene	NELAP	2.00		ND	µg/L	1	11/12/2018 16:32	147703
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/12/2018 16:32	147703
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/12/2018 16:32	147703
Surr: 1,2-Dichloroethane-d4	*	79.6-118		100.9	%REC	1	11/12/2018 16:32	147703
Surr: 4-Bromofluorobenzene	*	83.9-115		98.7	%REC	1	11/12/2018 16:32	147703
Surr: Dibromofluoromethane	*	84.9-113		102.5	%REC	1	11/12/2018 16:32	147703
Surr: Toluene-d8	*	86.7-112		89.1	%REC	1	11/12/2018 16:32	147703



Laboratory Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Lab ID: 18110611-022

Client Sample ID: Trip Blank 1

Matrix: GROUNDWATER

Collection Date: 11/08/2018 16:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030; 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	11/12/2018 13:24	147703
Bromoform	NELAP	2.00		ND	µg/L	1	11/12/2018 13:24	147703
Ethylbenzene	NELAP	1.00		ND	µg/L	1	11/12/2018 13:24	147703
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	11/12/2018 13:24	147703
Methylene chloride	NELAP	2.00		ND	µg/L	1	11/12/2018 13:24	147703
Naphthalene	NELAP	2.00		ND	µg/L	1	11/12/2018 13:24	147703
o-Xylene	NELAP	1.00		ND	µg/L	1	11/12/2018 13:24	147703
Toluene	NELAP	2.00		ND	µg/L	1	11/12/2018 13:24	147703
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	11/12/2018 13:24	147703
Xylenes, Total	NELAP	1.00		ND	µg/L	1	11/12/2018 13:24	147703
Surr: 1,2-Dichloroethane-d4	*	79.6-118		96.2	%REC	1	11/12/2018 13:24	147703
Surr: 4-Bromofluorobenzene	*	83.9-115		99.6	%REC	1	11/12/2018 13:24	147703
Surr: Dibromofluoromethane	*	84.9-113		97.5	%REC	1	11/12/2018 13:24	147703
Surr: Toluene-d8	*	86.7-112		95.7	%REC	1	11/12/2018 13:24	147703



Sample Summary

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Work Order: 18110611

Report Date: 19-Nov-2018

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
18110611-001	GW-16D	Groundwater	2	11/06/2018 13:00
18110611-002	GW-16S	Groundwater	2	11/06/2018 14:30
18110611-003	GW-17	Groundwater	2	11/06/2018 15:04
18110611-004	GW-7	Groundwater	2	11/06/2018 16:50
18110611-005	GW-14	Groundwater	2	11/07/2018 9:30
18110611-006	GW-22D	Groundwater	2	11/07/2018 11:15
18110611-007	GW-22S	Groundwater	2	11/07/2018 11:40
18110611-008	GW-5	Groundwater	2	11/07/2018 13:40
18110611-009	GW-15	Groundwater	2	11/07/2018 15:15
18110611-010	GW-4R	Groundwater	2	11/07/2018 15:40
18110611-011	GW-4R DUP	Groundwater	2	11/07/2018 15:40
18110611-012	GW-3	Groundwater	2	11/07/2018 16:15
18110611-013	GW-2	Groundwater	2	11/07/2018 16:45
18110611-014	GW-18D	Groundwater	2	11/08/2018 9:25
18110611-015	GW-18S	Groundwater	2	11/08/2018 9:40
18110611-016	GW-19D	Groundwater	2	11/08/2018 10:55
18110611-017	GW-19S	Groundwater	2	11/08/2018 11:20
18110611-018	GW-20	Groundwater	2	11/08/2018 11:40
18110611-019	GW-1	Groundwater	2	11/08/2018 13:08
18110611-020	GW-1 DUP	Groundwater	2	11/08/2018 13:08
18110611-021	GW-21	Groundwater	2	11/08/2018 14:38
18110611-022	Trip Blank 1	Groundwater	2	11/08/2018 16:20



Dates Report

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
18110611-001A	GW-16D	11/06/2018 13:00	11/08/2018 16:20	11/09/2018 11:11	11/15/2018 1:05
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/09/2018 11:11	11/16/2018 11:29
18110611-001B	GW-16D	11/06/2018 13:00	11/08/2018 16:20		11/10/2018 2:02
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				
18110611-002A	GW-16S	11/06/2018 14:30	11/08/2018 16:20	11/09/2018 11:11	11/15/2018 1:43
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds				
18110611-002B	GW-16S	11/06/2018 14:30	11/08/2018 16:20		11/10/2018 2:28
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				
18110611-003A	GW-17	11/06/2018 15:04	11/08/2018 16:20	11/09/2018 11:11	11/15/2018 2:21
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds				
18110611-003B	GW-17	11/06/2018 15:04	11/08/2018 16:20		11/10/2018 2:54
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				
18110611-004A	GW-7	11/06/2018 16:50	11/08/2018 16:20	11/09/2018 11:11	11/15/2018 2:59
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds				
18110611-004B	GW-7	11/06/2018 16:50	11/08/2018 16:20		11/10/2018 3:19
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				
18110611-005A	GW-14	11/07/2018 9:30	11/08/2018 16:20	11/13/2018 14:24	11/15/2018 14:11
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 14:24	11/16/2018 12:06
18110611-005B	GW-14	11/07/2018 9:30	11/08/2018 16:20		11/10/2018 3:45
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				
18110611-006A	GW-22D	11/07/2018 11:15	11/08/2018 16:20	11/13/2018 14:24	11/15/2018 14:52
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 14:24	11/16/2018 12:44
18110611-006B	GW-22D	11/07/2018 11:15	11/08/2018 16:20		11/10/2018 4:11
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				
18110611-007A	GW-22S	11/07/2018 11:40	11/08/2018 16:20	11/13/2018 14:24	11/15/2018 15:33
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds				
18110611-007B	GW-22S	11/07/2018 11:40	11/08/2018 16:20		11/10/2018 4:37
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				
18110611-008A	GW-5	11/07/2018 13:40	11/08/2018 16:20	11/13/2018 14:24	11/15/2018 16:14
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds				
18110611-008B	GW-5	11/07/2018 13:40	11/08/2018 16:20		11/10/2018 5:03
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				



Dates Report

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
18110611-009A	GW-15	11/07/2018 15:15	11/08/2018 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 14:24	11/15/2018 16:54
18110611-009B	GW-15	11/07/2018 15:15	11/08/2018 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/10/2018 7:38
18110611-010A	GW-4R	11/07/2018 15:40	11/08/2018 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 14:24	11/16/2018 13:58
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 14:24	11/16/2018 15:51
18110611-010B	GW-4R	11/07/2018 15:40	11/08/2018 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/10/2018 5:29
18110611-011A	GW-4R-DUP	11/07/2018 15:40	11/08/2018 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 14:24	11/16/2018 14:36
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 14:24	11/16/2018 16:29
18110611-011B	GW-4R DUP	11/07/2018 15:40	11/08/2018 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/10/2018 5:55
18110611-012A	GW-3	11/07/2018 16:15	11/08/2018 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 18:02	11/15/2018 22:10
18110611-012B	GW-3	11/07/2018 16:15	11/08/2018 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/10/2018 6:21
18110611-013A	GW-2	11/07/2018 16:45	11/08/2018 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 18:02	11/15/2018 22:49
18110611-013B	GW-2	11/07/2018 16:45	11/08/2018 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/10/2018 6:46
18110611-014A	GW-18D	11/08/2018 9:25	11/08/2018 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 18:02	11/15/2018 23:29
18110611-014B	GW-18D	11/08/2018 9:25	11/08/2018 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/10/2018 7:12
18110611-015A	GW-18S	11/08/2018 9:40	11/08/2018 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 18:02	11/16/2018 0:08
18110611-015B	GW-18S	11/08/2018 9:40	11/08/2018 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/12/2018 13:50
18110611-016A	GW-19D	11/08/2018 10:55	11/08/2018 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 18:02	11/16/2018 0:46
18110611-016B	GW-19D	11/08/2018 10:55	11/08/2018 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/12/2018 14:17
18110611-017A	GW-19S	11/08/2018 11:20	11/08/2018 16:20		



Dates Report

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Work Order: 18110611

Report Date: 19-Nov-2018

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 18:02	11/16/2018 1:25
18110611-017B	GW-19S	11/08/2018 11:20	11/08/2018 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/12/2018 14:44
18110611-018A	GW-20	11/08/2018 11:40	11/08/2018 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 18:02	11/16/2018 2:04
18110611-018B	GW-20	11/08/2018 11:40	11/08/2018 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/12/2018 15:11
18110611-019A	GW-1	11/08/2018 13:08	11/08/2018 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 18:02	11/16/2018 2:43
18110611-019B	GW-1	11/08/2018 13:08	11/08/2018 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/12/2018 15:38
18110611-020A	GW-1 DUP	11/08/2018 13:08	11/08/2018 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 18:02	11/16/2018 3:21
18110611-020B	GW-1 DUP	11/08/2018 13:08	11/08/2018 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/12/2018 16:05
18110611-021A	GW-21	11/08/2018 14:38	11/08/2018 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/13/2018 18:02	11/16/2018 4:00
18110611-021B	GW-21	11/08/2018 14:38	11/08/2018 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/12/2018 16:32
18110611-022B	Trip Blank 1	11/08/2018 16:20	11/08/2018 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/12/2018 13:24



Quality Control Results

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Work Order: 18110611

Report Date: 19-Nov-2018

I SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS

Analyses	Batch	SampType	Sample ID	Units mg/L	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	147605	MBLK	MBLK-147605	0.000100			ND						11/14/2018
Acenaphthylene				0.000100			ND						11/14/2018
Anthracene				0.000100			ND						11/14/2018
Benzo(a)anthracene				0.000100			ND						11/14/2018
Benzo(a)pyrene				0.000100			ND						11/14/2018
Benzo(b)fluoranthene				0.000100			ND						11/14/2018
Benzo(g,h,i)perylene				0.000100			ND						11/14/2018
Benzo(k)fluoranthene				0.000100			ND						11/14/2018
Bis(2-ethylhexyl)phthalate				0.00600			ND						11/14/2018
Chrysene				0.000100			ND						11/14/2018
Dibenzo(a,h)anthracene				0.000100			ND						11/14/2018
Fluoranthene				0.000200			ND						11/14/2018
Fluorene				0.000100			ND						11/14/2018
Indeno(1,2,3-cd)pyrene				0.000100			ND						11/14/2018
Naphthalene				0.000200			ND						11/14/2018
Phenanthrene				0.000400			ND						11/14/2018
Pyrene				0.000200			ND						11/14/2018
Sur: 2-Fluorobiphenyl							0.000768	0.001000	76.8	34.1	131		11/14/2018
Sur: Nitrobenzene-d5							0.000800	0.001000	80.0	35.1	136		11/14/2018
Sur: p-Terphenyl-d14							0.000944	0.001000	94.4	38.3	195		11/14/2018

Batch 147605 SampType: LCS Units mg/L

Analyses	Batch	SampType	Sample ID	Units mg/L	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	147605	LCS	LCS-147605	0.000100			0.00172	0.002000	0	86.1	53.8	111	11/14/2018
Acenaphthylene				0.000100			0.00186	0.002000	0	93.0	55.3	112	11/14/2018
Anthracene				0.000100			0.00178	0.002000	0	89.0	56.5	111	11/14/2018
Benzo(a)anthracene				0.000100			0.00177	0.002000	0	88.5	52.8	121	11/14/2018
Benzo(a)pyrene				0.000100			0.00181	0.002000	0	90.3	56.9	127	11/14/2018
Benzo(b)fluoranthene				0.000100			0.00179	0.002000	0	89.4	50.8	132	11/14/2018
Benzo(g,h,i)perylene				0.000100			0.00180	0.002000	0	89.8	37.6	151	11/14/2018
Benzo(k)fluoranthene				0.000100			0.00168	0.002000	0	84.0	56.6	125	11/14/2018
Bis(2-ethylhexyl)phthalate				0.00600			0.0021	0.002000	0	106.9	33.2	220	11/14/2018
Chrysene				0.000100			0.00172	0.002000	0	85.9	39.6	124	11/14/2018
Dibenzo(a,h)anthracene				0.000100			0.00187	0.002000	0	93.7	42.6	144	11/14/2018
Fluoranthene				0.000200			0.00188	0.002000	0	93.9	55.3	130	11/14/2018
Fluorene				0.000100			0.00179	0.002000	0	89.4	53.2	118	11/14/2018
Indeno(1,2,3-cd)pyrene				0.000100			0.00199	0.002000	0	99.3	48.4	151	11/14/2018
Naphthalene				0.000200			0.00172	0.002000	0	86.0	50.6	108	11/14/2018
Phenanthrene				0.000400			0.00186	0.002000	0	93.0	56.1	125	11/14/2018
Pyrene				0.000200			0.00185	0.002000	0	92.6	52.7	129	11/14/2018
Sur: 2-Fluorobiphenyl							0.000798	0.001000	79.8	34.1	131		11/14/2018
Sur: Nitrobenzene-d5							0.000887	0.001000	88.7	35.1	136		11/14/2018
Sur: p-Terphenyl-d14							0.000978	0.001000	97.8	38.3	195		11/14/2018



Quality Control Results

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Work Order: 18110611

Report Date: 19-Nov-2018

SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS

Analyses	RL	Qual.	Result	Spike	SPK Ref Val	%REC	RPD Limit 40		Date Analyzed
							RPD Ref Val	%RPD	
Acenaphthene	0.000100		0.00163	0.00200C	0	81.4	0.001722	5.65	11/14/2018
Acenaphthylene	0.000100		0.00193	0.00200C	0	96.5	0.001860	3.71	11/14/2018
Anthracene	0.000100		0.00179	0.00200C	0	89.7	0.001780	0.71	11/14/2018
Benzo(a)anthracene	0.000100		0.00179	0.00200C	0	89.6	0.001770	1.26	11/14/2018
Benzo(a)pyrene	0.000100		0.00186	0.00200C	0	93.2	0.001805	3.16	11/14/2018
Benzo(b)fluoranthene	0.000100		0.00182	0.00200C	0	91.2	0.001787	1.99	11/14/2018
Benzo(g,h,i)perylene	0.000100		0.00191	0.00200C	0	95.3	0.001796	5.97	11/14/2018
Benzo(k)fluoranthene	0.000100		0.00178	0.00200C	0	89.1	0.001679	6.00	11/14/2018
Bis(2-ethylhexyl)phthalate	0.00600	J	0.0024	0.00200C	0	120.8	0.002138	0.00	11/14/2018
Chrysene	0.000100		0.00173	0.00200C	0	86.5	0.001718	0.71	11/14/2018
Dibenzo(a,h)anthracene	0.000100		0.00198	0.00200C	0	98.9	0.001874	5.42	11/14/2018
Fluoranthene	0.000200		0.00184	0.00200C	0	91.9	0.001877	2.16	11/14/2018
Fluorene	0.000100		0.00180	0.00200C	0	90.1	0.001787	0.86	11/14/2018
Indeno(1,2,3-cd)pyrene	0.000100		0.00209	0.00200C	0	104.3	0.001986	4.86	11/14/2018
Naphthalene	0.000200		0.00170	0.00200C	0	85.0	0.001720	1.14	11/14/2018
Phenanthrene	0.000400		0.00186	0.00200C	0	92.8	0.001860	0.17	11/14/2018
Pyrene	0.000200		0.00196	0.00200C	0	97.8	0.001852	5.44	11/14/2018
Surr: 2-Fluorobiphenyl			0.000751	0.00100C		75.1			11/14/2018
Surr: Nitrobenzene-d5			0.000868	0.00100C		86.8			11/14/2018
Surr: p-Terphenyl-d14			0.000976	0.00100C		97.6			11/14/2018

Batch 147730 SampType: MBLK Units mg/L

Analyses	RL	Qual.	Result	Spike	SPK Ref Val	%REC	Low Limit High Limit		Date Analyzed
							Low Limit	High Limit	
Acenaphthene	0.000100		ND						11/15/2018
Acenaphthylene	0.000100		ND						11/15/2018
Anthracene	0.000100		ND						11/15/2018
Benzo(a)anthracene	0.000100		ND						11/15/2018
Benzo(a)pyrene	0.000100		ND						11/15/2018
Benzo(b)fluoranthene	0.000100		ND						11/15/2018
Benzo(g,h,i)perylene	0.000100		ND						11/15/2018
Benzo(k)fluoranthene	0.000100		ND						11/15/2018
Bis(2-ethylhexyl)phthalate	0.00600		ND						11/15/2018
Chrysene	0.000100		ND						11/15/2018
Dibenzo(a,h)anthracene	0.000100		ND						11/15/2018
Fluoranthene	0.000200		ND						11/15/2018
Fluorene	0.000100		ND						11/15/2018
Indeno(1,2,3-cd)pyrene	0.000100		ND						11/15/2018
Naphthalene	0.000200		ND						11/15/2018
Phenanthrene	0.000400		ND						11/15/2018
Pyrene	0.000200		ND						11/15/2018
Surr: 2-Fluorobiphenyl			0.000712	0.00100C		71.2	34.1	131	11/15/2018
Surr: Nitrobenzene-d5			0.000894	0.00100C		89.4	35.1	136	11/15/2018
Surr: p-Terphenyl-d14			0.001113	0.00100C		112.8	38.3	195	11/15/2018



Quality Control Results

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Work Order: 18110611

Report Date: 19-Nov-2018

ISW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS

Analyses	Batch	SampID	Type	Units	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	147730	LCS		mg/L			0.00164	0.00200C	0	82.1	53.8	111	11/15/2018
Acenaphthylene							0.00171	0.00200C	0	85.7	55.3	112	11/15/2018
Anthracene							0.00178	0.00200C	0	88.9	56.5	111	11/15/2018
Benzo(a)anthracene							0.00178	0.00200C	0	88.8	52.8	121	11/15/2018
Benzo(a)pyrene							0.00189	0.00200C	0	94.3	56.9	127	11/15/2018
Benzo(b)fluoranthene							0.00185	0.00200C	0	92.3	50.8	132	11/15/2018
Benzo(g,h,i)perylene							0.00189	0.00200C	0	94.7	37.6	151	11/15/2018
Benzo(k)fluoranthene							0.00179	0.00200C	0	89.7	56.6	125	11/15/2018
Bis(2-ethylhexyl)phthalate	147730		LCS	mg/L	0.00600	J	0.0024	0.00200C	0	122.7	33.2	220	11/15/2018
Chrysene							0.00183	0.00200C	0	91.6	39.6	124	11/15/2018
Dibenzo(a,h)anthracene							0.00213	0.00200C	0	106.5	42.6	144	11/15/2018
Fluoranthene							0.00195	0.00200C	0	97.7	55.3	130	11/15/2018
Fluorene							0.00189	0.00200C	0	94.6	53.2	118	11/15/2018
Indeno(1,2,3-cd)pyrene							0.00199	0.00200C	0	99.5	48.4	151	11/15/2018
Naphthalene							0.00159	0.00200C	0	79.7	50.6	108	11/15/2018
Phenanthrene							0.00176	0.00200C	0	88.0	56.1	125	11/15/2018
Pyrene							0.00201	0.00200C	0	100.6	52.7	129	11/15/2018
Sur: 2-Fluorobiphenyl							0.000812	0.00100C		81.2	34.1	131	11/15/2018
Sur: Nitrobenzene-d5							0.000866	0.00100C		86.6	35.1	136	11/15/2018
Sur: p-Terphenyl-d14							0.00103	0.00100C		102.7	38.3	195	11/15/2018

Analyses	Batch	SampID	Type	Units	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	147730	LCSD		mg/L			0.00165	0.00200C	0	82.5	0.001642	0.50	11/15/2018
Acenaphthylene							0.00176	0.00200C	0	88.0	0.001714	2.63	11/15/2018
Anthracene							0.00201	0.00200C	0	100.5	0.001778	12.21	11/15/2018
Benzo(a)anthracene							0.00186	0.00200C	0	93.0	0.001775	4.70	11/15/2018
Benzo(a)pyrene							0.00185	0.00200C	0	92.4	0.001886	2.07	11/15/2018
Benzo(b)fluoranthene							0.00186	0.00200C	0	93.0	0.001845	0.85	11/15/2018
Benzo(g,h,i)perylene							0.00190	0.00200C	0	94.9	0.001893	0.29	11/15/2018
Benzo(k)fluoranthene							0.00177	0.00200C	0	88.4	0.001795	1.54	11/15/2018
Bis(2-ethylhexyl)phthalate	147730		LCSD	mg/L	0.00600	J	0.0024	0.00200C	0	121.7	0.002454	0.00	11/15/2018
Chrysene							0.00176	0.00200C	0	87.8	0.001832	4.25	11/15/2018
Dibenzo(a,h)anthracene							0.00190	0.00200C	0	95.1	0.002131	11.33	11/15/2018
Fluoranthene							0.00227	0.00200C	0	113.5	0.001953	15.03	11/15/2018
Fluorene							0.00175	0.00200C	0	87.4	0.001892	7.93	11/15/2018
Indeno(1,2,3-cd)pyrene							0.00211	0.00200C	0	105.4	0.001990	5.72	11/15/2018
Naphthalene							0.00163	0.00200C	0	81.4	0.001594	2.06	11/15/2018
Phenanthrene							0.00201	0.00200C	0	100.7	0.001759	13.48	11/15/2018
Pyrene							0.00230	0.00200C	0	115.1	0.002012	13.41	11/15/2018
Sur: 2-Fluorobiphenyl							0.000749	0.00100C		74.9			11/15/2018
Sur: Nitrobenzene-d5							0.000871	0.00100C		87.1			11/15/2018
Sur: p-Terphenyl-d14							0.00110	0.00100C		109.5			11/15/2018



Quality Control Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

TSW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS

Analyses	Batch	SampType	Units	mg/L	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	147730			0.000100	S		ND 0.00200C	0	0		40.5	121	11/15/2018
Acenaphthylene				0.000100	JS		0.000063 0.00200C	0.00006330	0		50.9	132	11/15/2018
Anthracene				0.000100	S		ND 0.00200C	0	0		62.1	120	11/15/2018
Benzo(a)anthracene				0.000100	S		ND 0.00200C	0	0		67.8	119	11/15/2018
Benzo(a)pyrene				0.000100	S		ND 0.00200C	0	0		73.8	124	11/15/2018
Benzo(b)fluoranthene				0.000100	S		ND 0.00200C	0	0		73.3	119	11/15/2018
Benzo(g,h,i)perylene				0.000100	S		ND 0.00200C	0	0		56.3	139	11/15/2018
Benzo(k)fluoranthene				0.000100	S		ND 0.00200C	0	0		69.5	115	11/15/2018
Bis(2-ethylhexyl)phthalate				0.00600	J		0.0049 0.00200C	0.003903	49.9		33.3	221	11/15/2018
Chrysene				0.000100	S		ND 0.00200C	0	0		69	112	11/15/2018
Dibenzo(a,h)anthracene				0.000100	S		ND 0.00200C	0	0		66.1	135	11/15/2018
Fluoranthene				0.000200	S		ND 0.00200C	0	0		69.4	117	11/15/2018
Fluorene				0.000100	S		ND 0.00200C	0	0		54.3	116	11/15/2018
Indeno(1,2,3-cd)pyrene				0.000100	S		ND 0.00200C	0	0		62.5	136	11/15/2018
Naphthalene				0.000200	S		0.000319 0.00200C	0.0002091	5.5		34.6	129	11/15/2018
Phenanthrene				0.000400	S		ND 0.00200C	0	0		62.4	108	11/15/2018
Pyrene				0.000200	S		ND 0.00200C	0	0		64.2	118	11/15/2018
Sur: 2-Fluorobiphenyl							0.000802 0.00100C		80.2		10	164	11/15/2018
Sur: Nitrobenzene-d5							0.000734 0.00100C		73.4		10.3	142	11/15/2018
Sur: p-Terphenyl-d14							0.000851 0.00100C		85.1		47.1	148	11/15/2018

Analyses	Batch	SampType	Units	mg/L	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	147730			0.000100	JS		0.000050 0.00200C	0	2.5		0	0.00	11/15/2018
Acenaphthylene				0.000100	JS		0.000066 0.00200C	-0.00006330	-0.1		0.00006300	0.00	11/15/2018
Anthracene				0.000100	S		ND 0.00200C	0	0		0	0.00	11/15/2018
Benzo(a)anthracene				0.000100	S		ND 0.00200C	0	0		0	0.00	11/15/2018
Benzo(a)pyrene				0.000100	S		ND 0.00200C	0	0		0	0.00	11/15/2018
Benzo(b)fluoranthene				0.000100	S		ND 0.00200C	0	0		0	0.00	11/15/2018
Benzo(g,h,i)perylene				0.000100	S		ND 0.00200C	0	0		0	0.00	11/15/2018
Benzo(k)fluoranthene				0.000100	S		ND 0.00200C	0	0		0	0.00	11/15/2018
Bis(2-ethylhexyl)phthalate				0.00600	JE		0.0056 0.00200C	0.003903	84.6		0.004901	0.00	11/15/2018
Chrysene				0.000100	S		ND 0.00200C	0	0		0	0.00	11/15/2018
Dibenzo(a,h)anthracene				0.000100	S		ND 0.00200C	0	0		0	0.00	11/15/2018
Fluoranthene				0.000200	S		ND 0.00200C	0	0		0	0.00	11/15/2018
Fluorene				0.000100	S		ND 0.00200C	0	0		0	0.00	11/15/2018
Indeno(1,2,3-cd)pyrene				0.000100	S		ND 0.00200C	0	0		0	0.00	11/15/2018
Naphthalene				0.000200	S		0.000453 0.00200C	0.0002091	12.2		0.0003189	34.70	11/15/2018
Phenanthrene				0.000400	S		ND 0.00200C	0	0		0	0.00	11/15/2018
Pyrene				0.000200	S		ND 0.00200C	0	0		0	0.00	11/15/2018
Sur: 2-Fluorobiphenyl							0.000782 0.00100C		78.2			11/15/2018	
Sur: Nitrobenzene-d5							0.000788 0.00100C		78.8			11/15/2018	
Sur: p-Terphenyl-d14							0.000998 0.00100C		99.8			11/15/2018	



Quality Control Results

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Work Order: 18110611

Report Date: 19-Nov-2018

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	147662	SampType	MBLK	Units	µg/L				Date
SampleID	MBLK-T181109A-2								
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Benzene	0.5		ND						11/09/2018
Bromoform	2.0		ND						11/09/2018
Ethylbenzene	2.0		ND						11/09/2018
m,p-Xylenes	2.0		ND						11/09/2018
Methylene chloride	10.0		ND						11/09/2018
Naphthalene	5.0		ND						11/09/2018
o-Xylene	2.0		ND						11/09/2018
Toluene	2.0		ND						11/09/2018
trans-1,2-Dichloroethene	2.0		ND						11/09/2018
Xylenes, Total	4.0		ND						11/09/2018
Sur: 1,2-Dichloroethane-d4			49.9	50.00		99.7	79.6	118	11/09/2018
Sur: 4-Bromofluorobenzene			46.1	50.00		92.3	83.9	115	11/09/2018
Sur: Dibromofluoromethane			49.8	50.00		99.6	84.9	113	11/09/2018
Sur: Toluene-d8			46.8	50.00		93.6	86.7	112	11/09/2018

Batch 147662 SampType: LCSD Units µg/L RPD Limit 40

SampleID	LCSD-T181109A-2								Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Benzene	0.5		49.2	50.00	0	98.4	50.93	3.46	11/09/2018
Bromoform	2.0		49.4	50.00	0	98.8	50.11	1.47	11/09/2018
Ethylbenzene	2.0		45.6	50.00	0	91.2	48.29	5.77	11/09/2018
m,p-Xylenes	2.0		91.1	100.0	0	91.1	97.49	6.79	11/09/2018
Methylene chloride	10.0		48.6	50.00	0	97.3	49.98	2.72	11/09/2018
Naphthalene	5.0		42.6	50.00	0	85.3	43.15	1.21	11/09/2018
o-Xylene	2.0		46.0	50.00	0	92.0	49.31	6.90	11/09/2018
Toluene	2.0		45.3	50.00	0	90.5	47.53	4.89	11/09/2018
trans-1,2-Dichloroethene	2.0		48.8	50.00	0	97.7	50.43	3.22	11/09/2018
Xylenes, Total	4.0		137	150.0	0	91.4	146.8	6.83	11/09/2018
Sur: 1,2-Dichloroethane-d4			50.5	50.00		101.0			11/09/2018
Sur: 4-Bromofluorobenzene			47.1	50.00		94.1			11/09/2018
Sur: Dibromofluoromethane			48.9	50.00		97.8			11/09/2018
Sur: Toluene-d8			46.6	50.00		93.1			11/09/2018



Quality Control Results

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Work Order: 18110611

Report Date: 19-Nov-2018

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	SampType	Units	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
147662	LCS	µg/L									
SampID:	LCS-T181109A-2										
Analyses											
Benzene		0.5			50.9	50.00	0	101.9	75.8	121	11/09/2018
Bromoform		2.0			50.1	50.00	0	100.2	85.5	128	11/09/2018
Ethylbenzene		2.0			48.3	50.00	0	96.6	80.7	114	11/09/2018
m,p-Xylenes		2.0			97.5	100.0	0	97.5	80.5	113	11/09/2018
Methylene chloride		10.0			50.0	50.00	0	100.0	76.2	119	11/09/2018
Naphthalene		5.0			43.2	50.00	0	86.3	76.1	129	11/09/2018
o-Xylene		2.0			49.3	50.00	0	98.6	79.7	112	11/09/2018
Toluene		2.0			47.5	50.00	0	95.1	78.3	112	11/09/2018
trans-1,2-Dichloroethene		2.0			50.4	50.00	0	100.9	73.5	124	11/09/2018
Xylenes, Total		4.0			147	150.0	0	97.9	80.2	113	11/09/2018
Sur: 1,2-Dichloroethane-d4					51.0	50.00		102.1	79.6	118	11/09/2018
Sur: 4-Bromofluorobenzene					46.8	50.00		93.6	83.9	115	11/09/2018
Sur: Dibromofluoromethane					49.8	50.00		99.7	84.9	113	11/09/2018
Sur: Toluene-d8					48.2	50.00		96.4	86.7	112	11/09/2018

Batch	SampType	Units	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
147662	MS	µg/L									
SampID:	18110611-009BMS										
Analyses											
Benzene		0.50			50.5	50.00	0	101.0	62.5	121	11/10/2018
Ethylbenzene		1.00			48.5	50.00	0	96.9	74.4	130	11/10/2018
m,p-Xylenes		1.00			46.9	50.00	0	93.9	70.5	126	11/10/2018
o-Xylene		1.00			46.7	50.00	0	93.5	71.2	124	11/10/2018
Toluene		2.00			45.0	50.00	0	89.9	69.5	118	11/10/2018
Xylenes, Total		2.00			93.7	100.0	0	93.7	71.1	125	11/10/2018
Sur: 1,2-Dichloroethane-d4					51.5	50.00		103.0	74.7	129	11/10/2018
Sur: 4-Bromofluorobenzene					46.1	50.00		92.2	86	119	11/10/2018
Sur: Dibromofluoromethane					48.4	50.00		96.9	81.7	123	11/10/2018
Sur: Toluene-d8					46.3	50.00		92.5	84.3	114	11/10/2018

Batch	SampType	Units	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
147662	MSD	µg/L							50.49	2.32	
SampID:	18110611-009BMSD								48.46	3.46	
Analyses									46.93	2.70	
Benzene		0.50			49.3	50.00	0	98.7	50.49	2.32	11/10/2018
Ethylbenzene		1.00			46.8	50.00	0	93.6	48.46	3.46	11/10/2018
m,p-Xylenes		1.00			45.7	50.00	0	91.4	46.93	2.70	11/10/2018
o-Xylene		1.00			45.4	50.00	0	90.9	46.73	2.80	11/10/2018
Toluene		2.00			43.7	50.00	0	87.3	44.97	2.96	11/10/2018
Xylenes, Total		2.00			91.1	100.0	0	91.1	93.66	2.75	11/10/2018
Sur: 1,2-Dichloroethane-d4					51.2	50.00		102.4			11/10/2018
Sur: 4-Bromofluorobenzene					46.6	50.00		93.1			11/10/2018
Sur: Dibromofluoromethane					48.8	50.00		97.5			11/10/2018
Sur: Toluene-d8					45.9	50.00		91.8			11/10/2018



Quality Control Results

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Work Order: 18110611

Report Date: 19-Nov-2018

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	SampType	Units	µg/L	Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
147703	MBLK			Benzene	0.5		ND						11/12/2018
				Bromoform	2.0		ND						11/12/2018
				Ethylbenzene	2.0		ND						11/12/2018
				m,p-Xylenes	2.0		ND						11/12/2018
				Methylene chloride	10.0		ND						11/12/2018
				Naphthalene	5.0		ND						11/12/2018
				o-Xylene	2.0		ND						11/12/2018
				Toluene	2.0		ND						11/12/2018
				trans-1,2-Dichloroethene	2.0		ND						11/12/2018
				Xylenes, Total	4.0		ND						11/12/2018
				Sur: 1,2-Dichloroethane-d4			49.3	50.00	98.6	79.6	118		11/12/2018
				Sur: 4-Bromofluorobenzene			52.5	50.00	105.1	83.9	115		11/12/2018
				Sur: Dibromofluoromethane			50.0	50.00	99.9	84.9	113		11/12/2018
				Sur: Toluene-d8			46.7	50.00	93.4	86.7	112		11/12/2018

Batch 147703 SampType: LCSD Units µg/L RPD Limit 40

Batch	SampType	Units	µg/L	Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
147703	LCSD			Benzene	0.5		50.1	50.00	0	100.2	49.34	1.53	11/12/2018
				Bromoform	2.0		54.4	50.00	0	108.8	53.18	2.25	11/12/2018
				Ethylbenzene	2.0		48.2	50.00	0	96.3	48.25	0.17	11/12/2018
				m,p-Xylenes	2.0		94.5	100.0	0	94.5	97.56	3.22	11/12/2018
				Methylene chloride	10.0		51.8	50.00	0	103.5	50.19	3.06	11/12/2018
				Naphthalene	5.0		55.9	50.00	0	111.8	50.34	10.50	11/12/2018
				o-Xylene	2.0		47.0	50.00	0	93.9	47.69	1.54	11/12/2018
				Toluene	2.0		46.2	50.00	0	92.5	47.92	3.57	11/12/2018
				trans-1,2-Dichloroethene	2.0		50.3	50.00	0	100.5	49.12	2.29	11/12/2018
				Xylenes, Total	4.0		141	150.0	0	94.3	145.2	2.66	11/12/2018
				Sur: 1,2-Dichloroethane-d4			48.9	50.00		97.7			11/12/2018
				Sur: 4-Bromofluorobenzene			49.6	50.00		99.1			11/12/2018
				Sur: Dibromofluoromethane			51.4	50.00		102.8			11/12/2018
				Sur: Toluene-d8			45.2	50.00		90.4			11/12/2018



Quality Control Results

<http://www.teklabinc.com/>

Client: ERM

Work Order: 18110611

Client Project: Ameren Taylorville 4th Qtr 2018

Report Date: 19-Nov-2018

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	147703	SampType	LCS	Units	µg/L					Date	Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Benzene		0.5		49.3	50.00	0	98.7	75.8	121		11/12/2018
Bromoform		2.0		53.2	50.00	0	106.4	85.5	128		11/12/2018
Ethylbenzene		2.0		48.2	50.00	0	96.5	80.7	114		11/12/2018
m,p-Xylenes		2.0		97.6	100.0	0	97.6	80.5	113		11/12/2018
Methylene chloride		10.0		50.2	50.00	0	100.4	76.2	119		11/12/2018
Naphthalene		5.0		50.3	50.00	0	100.7	76.1	129		11/12/2018
o-Xylene		2.0		47.7	50.00	0	95.4	79.7	112		11/12/2018
Toluene		2.0		47.9	50.00	0	95.8	78.3	112		11/12/2018
trans-1,2-Dichloroethene		2.0		49.1	50.00	0	98.2	73.5	124		11/12/2018
Xylenes, Total		4.0		145	150.0	0	96.8	80.2	113		11/12/2018
Sur: 1,2-Dichloroethane-d4				48.8	50.00		97.6	79.6	118		11/12/2018
Sur: 4-Bromofluorobenzene				49.8	50.00		99.6	83.9	115		11/12/2018
Sur: Dibromofluoromethane				50.6	50.00		101.3	84.9	113		11/12/2018
Sur: Toluene-d8				48.4	50.00		96.8	86.7	112		11/12/2018

Batch 147703 SampType: MS

Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date	Analyzed
Benzene		0.50		57.4	50.00	0	114.9	62.5	121		11/12/2018
Ethylbenzene		1.00		56.5	50.00	0	113.0	74.4	130		11/12/2018
m,p-Xylenes		1.00		51.4	50.00	0	102.9	70.5	126		11/12/2018
o-Xylene		1.00		55.4	50.00	0	110.7	71.2	124		11/12/2018
Toluene		2.00		50.4	50.00	0	100.8	69.5	118		11/12/2018
Xylenes, Total		2.00		107	100.0	0	106.8	71.1	125		11/12/2018
Sur: 1,2-Dichloroethane-d4				48.9	50.00		97.8	74.7	129		11/12/2018
Sur: 4-Bromofluorobenzene				48.9	50.00		97.8	86	119		11/12/2018
Sur: Dibromofluoromethane				50.3	50.00		100.5	81.7	123		11/12/2018
Sur: Toluene-d8				45.9	50.00		91.8	84.3	114		11/12/2018

Batch 1477031 SampType: MSD

Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date	Analyzed
Benzene		0.50		50.0	50.00	0	100.1	57.43	13.75		11/12/2018
Ethylbenzene		1.00		55.0	50.00	0	109.9	56.49	2.76		11/12/2018
m,p-Xylenes		1.00		52.9	50.00	0	105.8	51.43	2.78		11/12/2018
o-Xylene		1.00		54.7	50.00	0	109.4	55.37	1.25		11/12/2018
Toluene		2.00		47.8	50.00	0	95.6	50.41	5.29		11/12/2018
Xylenes, Total		2.00		108	100.0	0	107.6	106.8	0.71		11/12/2018
Sur: 1,2-Dichloroethane-d4				47.1	50.00		94.2				11/12/2018
Sur: 4-Bromofluorobenzene				49.8	50.00		99.5				11/12/2018
Sur: Dibromofluoromethane				49.4	50.00		98.9				11/12/2018
Sur: Toluene-d8				47.6	50.00		95.1				11/12/2018



Receiving Check List

<http://www.teklabinc.com/>

Client: ERM

Client Project: Ameren Taylorville 4th Qtr 2018

Work Order: 18110611

Report Date: 19-Nov-2018

Carrier: Employee

Received By: MEK

Completed by:

On:

08-Nov-2018

Mary E. Kemp

Mary E. Kemp

Reviewed by:

On:

08-Nov-2018

Emily Pohlman

Emily Pohlman

Pages to follow: Chain of custody

3

Extra pages included

0

Shipping container/coolers in good condition?

Yes No

Not Present

Temp °C 4.62

Type of thermal preservation?

None Ice

Blue Ice

Dry Ice

Chain of custody present?

Yes No

Chain of custody signed when relinquished and received?

Yes No

Chain of custody agrees with sample labels?

Yes No

Samples in proper container/bottle?

Yes No

Sample containers intact?

Yes No

Sufficient sample volume for indicated test?

Yes No

All samples received within holding time?

Yes No

Reported field parameters measured:

Field Lab

NA

Container/Temp Blank temperature in compliance?

Yes No

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water - at least one vial per sample has zero headspace?

Yes No

No VOA vials

Water - TOX containers have zero headspace?

Yes No

No TOX containers

Water - pH acceptable upon receipt?

Yes No

NA

NPDES/CWA TCN interferences checked/treated in the field?

Yes No

NA

Any No responses must be detailed below or on the COC.

Trip Blank collection date and time will be reported as the received date and time (end of trip). - epohlman - 11/8/2018 5:51:41 PM

CHAIN OF CUSTODY

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client: ERM 68 Villa Grove Springfield, IL 62712 Contact: Brett Camey brett.camey@erm.com E-Mail: _____		<p style="text-align: right;">Work order # <u>1811001</u></p> <p style="text-align: right;">pg. <u>1</u> of <u>3</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Samples on:</td> <td style="width: 10%;"><input checked="" type="checkbox"/> ICE</td> <td style="width: 10%;"><input type="checkbox"/> BLUE ICE</td> <td style="width: 10%;"><input type="checkbox"/> NO ICE</td> <td style="width: 10%;"><u>4.102 °C</u></td> </tr> <tr> <td>Preserved in:</td> <td><input type="checkbox"/> LAB</td> <td><input checked="" type="checkbox"/> FIELD</td> <td colspan="2"></td> </tr> <tr> <td>Lab Notes</td> <td colspan="4"></td> </tr> <tr> <td>DL Headspace, Multiple samples partially frozen</td> <td colspan="4"></td> </tr> <tr> <td>Client Comments:</td> <td colspan="4"> <u>MS/USD to Ken O GW-15</u> <u>BBP</u> <u>W/8/18</u> </td> </tr> </table>		Samples on:	<input checked="" type="checkbox"/> ICE	<input type="checkbox"/> BLUE ICE	<input type="checkbox"/> NO ICE	<u>4.102 °C</u>	Preserved in:	<input type="checkbox"/> LAB	<input checked="" type="checkbox"/> FIELD			Lab Notes					DL Headspace, Multiple samples partially frozen					Client Comments:	<u>MS/USD to Ken O GW-15</u> <u>BBP</u> <u>W/8/18</u>					
Samples on:	<input checked="" type="checkbox"/> ICE	<input type="checkbox"/> BLUE ICE	<input type="checkbox"/> NO ICE	<u>4.102 °C</u>																										
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Client Comments:	<u>MS/USD to Ken O GW-15</u> <u>BBP</u> <u>W/8/18</u>																													
Are these samples known to be involved in litigation? If yes, a surcharge will apply <input type="checkbox"/> Yes <input type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section. <input type="checkbox"/> Yes <input type="checkbox"/> No		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">INDICATE ANALYSIS REQUESTED</th> </tr> <tr> <th>MATRIX</th> <th></th> </tr> </thead> <tbody> <tr> <td>VOCs</td> <td>X X</td> </tr> <tr> <td>PAHs</td> <td>X X</td> </tr> <tr> <td>Groundwater</td> <td>X X</td> </tr> <tr> <td>Special Waste</td> <td>X X</td> </tr> <tr> <td>Sludge</td> <td>X X</td> </tr> <tr> <td>Soil</td> <td>X X</td> </tr> <tr> <td>Drinking Water</td> <td>X X</td> </tr> <tr> <td>Aqueous</td> <td>X X</td> </tr> </tbody> </table>		INDICATE ANALYSIS REQUESTED		MATRIX		VOCs	X X	PAHs	X X	Groundwater	X X	Special Waste	X X	Sludge	X X	Soil	X X	Drinking Water	X X	Aqueous	X X							
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Project Name/Number Ameren Taylorville 4th Qtr 2018		Sample Collector's Name _____																												
Results Requested <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)		Billing Instructions _____		# and Type of Containers																										
Lab Use Only		Sample Identification	Date/Time Sampled																											
<input checked="" type="checkbox"/>		<u>1811001-001</u> <u>GW-16D</u>	<u>11/6/18</u> <u>1300</u>	<u>2</u>																										
<input type="checkbox"/>		<u>002</u> <u>GW-16S</u>	<u>1430</u>	<u>1</u>																										
<input type="checkbox"/>		<u>003</u> <u>GW-17</u>	<u>1500</u>	<u>1</u>																										
<input type="checkbox"/>		<u>004</u> <u>GW-17</u>	<u>1650</u>	<u>1</u>																										
<input type="checkbox"/>		<u>005</u> <u>GW-14</u>	<u>11/7/18</u> <u>0930</u>	<u>1</u>																										
<input type="checkbox"/>		<u>006</u> <u>GW-12D</u>	<u>1115</u>	<u>1</u>																										
<input type="checkbox"/>		<u>007</u> <u>GW-22S</u>	<u>1140</u>	<u>1</u>																										
<input type="checkbox"/>		<u>008</u> <u>GW-5</u>	<u>1340</u>	<u>1</u>																										
<input type="checkbox"/>		<u>009</u> <u>GW-15</u>	<u>1515</u>	<u>1</u>																										
<input type="checkbox"/>		<u>010</u> <u>GW-4R</u>	<u>1540</u>	<u>1</u>																										
Relinquished By		<u>11/9/18</u>		<u>1020</u>																										
				Received By <u>Mary Kemp</u>																										
				Date/Time <u>11/8/18</u>																										
				Date/Time <u>1020</u>																										

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 46946



7/11/18

CHAIN OF CUSTODY

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client: ERM	Samples on: <input checked="" type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input checked="" type="checkbox"/> NO ICE <input type="checkbox"/> °C									
Address: 68 Villa Grove	Preserved in: <input checked="" type="checkbox"/> LAB <input type="checkbox"/> FIELD									
City / State / Zip Springfield, IL 62712	Lab Notes FOR LAB USE ONLY									
Contact: Brett Carney	Phone: (217) 549-0914									
E-Mail: brett.carney@erm.com	Fax: _____									
Client Comments:										
Are these samples known to be involved in litigation? If yes, a surcharge will apply <input type="checkbox"/> Yes <input type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
Project Name/Number Ameren Taylorville 4th Qtr 2018	Sample Collector's Name	MATRIX	INDICATE ANALYSIS REQUESTED							
Results Requested	Billing Instructions	# and Type of Containers								
<input type="checkbox"/> Standard	<input type="checkbox"/> 1-2 Day (100% Surcharge)	OTHER								
<input type="checkbox"/> Other	<input type="checkbox"/> 3 Day (50% Surcharge)	NaHSO4								
		MeOH								
		HCL								
		H2SO4								
		NaOH								
		HNO3								
		UNPRES								
Lab Use Only	Sample Identification	Date/Time Sampled								
011	GW-41 DUP	11/17/18 1540								
012	GW-2	1615								
013	GW-2	1645								
014	GW-16 D	11/18/18 0925								
015	GW-18 S	0940								
016	GW-19 D	1055								
017	GW-19 S	1120								
018	GW-20	1140								
019	GW-1	1308								
020	GW-1 DUP	1308								
Relinquished By		Date/Time								
		11/18/18 1620								
Received By		Date/Time								
		11/18 1620								
Date/Time										

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BottleOrder: 46946



CHAIN OF CUSTODY

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

pg. 3 of 3 Work order # 18110611

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