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Ameren Services

18-67558

0218160007-Christian
Taylorville/Ameren CIPS
SF/TECH

July 24, 2018

IEPA - DIVISION OF RECORDS MANAGEMENT
RELEASABLE

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

SEP 17 2018

REVIEWER: RDH

Dear Mr. Haggitt:

As required by Article IX (A) of the Consent Order (Case #93-3332), this is the Second 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 Second Quarter, 2018.

Second Quarter – 2018 Events

- Second quarter 2018 groundwater samples collected in May 2018 (results attached).
- The pump and treat system is still shut down as detailed in the September 11, 2017 letter sent to the IEPA.
- Searching for a replacement operator.

Third Quarter – 2018 Plans

- Collect second quarter groundwater samples
- Continue searching for a replacement operator

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

RECEIVED

JUL 30 2018

IEPA-BOL-FSRS

**Environmental
Resources
Management**

May 23, 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 2 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 second 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. However, concentrations of MGP constituents in Monitoring Well GW-3 have increased from the previous 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. 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

ATTACHMENT

***ANALYTICAL RESULTS
MAY 2018***

May 18, 2018

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



RE: Ameren Taylorville 2nd Qtr 2018

WorkOrder: 18050789

Dear Brett Carney:

TEKLAB, INC received 34 samples on 5/10/2018 2:10:00 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

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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Definitions

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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, 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
- C - RL shown is a Client Requested Quantitation Limit
- H - Holding times exceeded
- J - Analyte detected below quantitation limits
- ND - Not Detected at the Reporting Limit
- S - Spike Recovery outside recovery limits
- X - Value exceeds Maximum Contaminant Level

- B - Analyte detected in associated Method Blank
- E - Value above quantitation range
- I - Associated internal standard was outside method criteria
- M - Manual Integration used to determine area response
- R - RPD outside accepted recovery limits
- T - TIC(Tentatively identified compound)



Case Narrative

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Cooler Receipt Temp: 4.62 °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostemann@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com



Accreditations

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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	6/30/2018	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2018	Collinsville
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2018	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
Oklahoma	ODEQ	9978		8/31/2018	Collinsville
Tennessee	TDEC	04905		1/31/2019	Collinsville



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-001

Client Sample ID: GW-01

Matrix: GROUNDWATER

Collection Date: 05/10/2018 10:10

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	05/14/2018 11:25	141800
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 11:25	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 11:25	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 11:25	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 11:25	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 11:25	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 11:25	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 11:25	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/14/2018 11:25	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/14/2018 11:25	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 11:25	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/14/2018 11:25	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/14/2018 11:25	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 11:25	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/14/2018 11:25	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/14/2018 11:25	141800
Pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 11:25	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		76.6	%REC	1	05/14/2018 11:25	141800
Surr: Nitrobenzene-d5	*	10.6-152		86.7	%REC	1	05/14/2018 11:25	141800
Surr: p-Terphenyl-d14	*	10.6-169		106.4	%REC	1	05/14/2018 11:25	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/11/2018 10:52	141833
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 10:52	141833
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 10:52	141833
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 10:52	141833
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 10:52	141833
Naphthalene	NELAP	2.00		ND	µg/L	1	05/11/2018 10:52	141833
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 10:52	141833
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 10:52	141833
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 10:52	141833
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/11/2018 10:52	141833
Surr: 1,2-Dichloroethane-d4	*	79.6-118		92.2	%REC	1	05/11/2018 10:52	141833
Surr: 4-Bromofluorobenzene	*	83.9-115		97.5	%REC	1	05/11/2018 10:52	141833
Surr: Dibromofluoromethane	*	84.9-113		95.7	%REC	1	05/11/2018 10:52	141833
Surr: Toluene-d8	*	86.7-112		98.3	%REC	1	05/11/2018 10:52	141833



Laboratory Results

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

Client: ERM

Client Project: Ameren Taylorville 2nd Qtr 2018

Lab ID: 18050789-002

Matrix: GROUNDWATER

Work Order: 18050789

Report Date: 18-May-18

Client Sample ID: GW-02

Collection Date: 05/09/2018 17:40

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	05/14/2018 13:18	141800
Acenaphthylene	NELAP	0.000100		0.000791	mg/L	1	05/14/2018 13:18	141800
Anthracene	NELAP	0.000100		0.000273	mg/L	1	05/14/2018 13:18	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:18	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:18	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:18	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:18	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:18	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/14/2018 13:18	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:18	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:18	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/14/2018 13:18	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:18	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:18	141800
Naphthalene	NELAP	0.000200		0.000249	mg/L	1	05/14/2018 13:18	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/14/2018 13:18	141800
Pyrene	NELAP	0.000100		0.000159	mg/L	1	05/14/2018 13:18	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		78.7	%REC	1	05/14/2018 13:18	141800
Surr: Nitrobenzene-d5	*	10.6-152		78.6	%REC	1	05/14/2018 13:18	141800
Surr: p-Terphenyl-d14	*	10.6-169		100.0	%REC	1	05/14/2018 13:18	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/11/2018 11:18	141833
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 11:18	141833
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 11:18	141833
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 11:18	141833
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 11:18	141833
Naphthalene	NELAP	2.00		ND	µg/L	1	05/11/2018 11:18	141833
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 11:18	141833
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 11:18	141833
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 11:18	141833
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/11/2018 11:18	141833
Surr: 1,2-Dichloroethane-d4	*	79.6-118		93.5	%REC	1	05/11/2018 11:18	141833
Surr: 4-Bromofluorobenzene	*	83.9-115		97.1	%REC	1	05/11/2018 11:18	141833
Surr: Dibromofluoromethane	*	84.9-113		95.1	%REC	1	05/11/2018 11:18	141833
Surr: Toluene-d8	*	86.7-112		97.2	%REC	1	05/11/2018 11:18	141833



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-003

Client Sample ID: GW-03

Matrix: GROUNDWATER

Collection Date: 05/09/2018 18:25

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	05/14/2018 13:56	141800
Acenaphthylene	NELAP	0.00010	J	0.000065	mg/L	1	05/14/2018 13:56	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:56	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:56	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:56	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:56	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:56	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:56	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.00306	mg/L	1	05/14/2018 13:56	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:56	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:56	141800
Fluoranthene	NELAP	0.000200		0.00109	mg/L	1	05/14/2018 13:56	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:56	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 13:56	141800
Naphthalene	NELAP	0.00100		0.00564	mg/L	5	05/15/2018 19:05	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/14/2018 13:56	141800
Pyrene	NELAP	0.000100		0.00124	mg/L	1	05/14/2018 13:56	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		73.8	%REC	1	05/14/2018 13:56	141800
Surr: Nitrobenzene-d5	*	10.6-152		82.0	%REC	1	05/14/2018 13:56	141800
Surr: p-Terphenyl-d14	*	10.6-169		100.7	%REC	1	05/14/2018 13:56	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		2.55	µg/L	1	05/11/2018 11:43	141833
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 11:43	141833
Ethylbenzene	NELAP	1.0	J	0.20	µg/L	1	05/11/2018 11:43	141833
m,p-Xylenes	NELAP	1.00		2.27	µg/L	1	05/11/2018 11:43	141833
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 11:43	141833
Naphthalene	NELAP	2.00		8.12	µg/L	1	05/11/2018 11:43	141833
o-Xylene	NELAP	1.00		3.45	µg/L	1	05/11/2018 11:43	141833
Toluene	NELAP	2.0	J	0.54	µg/L	1	05/11/2018 11:43	141833
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 11:43	141833
Xylenes, Total	NELAP	1.00		5.72	µg/L	1	05/11/2018 11:43	141833
Surr: 1,2-Dichloroethane-d4	*	79.6-118		92.5	%REC	1	05/11/2018 11:43	141833
Surr: 4-Bromofluorobenzene	*	83.9-115		97.1	%REC	1	05/11/2018 11:43	141833
Surr: Dibromofluoromethane	*	84.9-113		95.8	%REC	1	05/11/2018 11:43	141833
Surr: Toluene-d8	*	86.7-112		99.7	%REC	1	05/11/2018 11:43	141833



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-004

Client Sample ID: GW-04R

Matrix: GROUNDWATER

Collection Date: 05/08/2018 17:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.00100		0.00770	mg/L	10	05/16/2018 14:17	141800
Acenaphthylene	NELAP	0.000100		0.00337	mg/L	1	05/14/2018 14:35	141800
Anthracene	NELAP	0.000100		0.000411	mg/L	1	05/14/2018 14:35	141800
Benzo(a)anthracene	NELAP	0.000100		0.000117	mg/L	1	05/14/2018 14:35	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 14:35	141800
Benzo(b)fluoranthene	NELAP	0.000100		0.000106	mg/L	1	05/14/2018 14:35	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 14:35	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 14:35	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/14/2018 14:35	141800
Chrysene	NELAP	0.000100		0.000384	mg/L	1	05/14/2018 14:35	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 14:35	141800
Fluoranthene	NELAP	0.000200		0.00337	mg/L	1	05/14/2018 14:35	141800
Fluorene	NELAP	0.00100		0.0374	mg/L	10	05/16/2018 14:17	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 14:35	141800
Naphthalene	NELAP	1.00		2.59	mg/L	5000	05/16/2018 19:11	141800
Phenanthrene	NELAP	0.00400		0.0355	mg/L	10	05/16/2018 14:17	141800
Pyrene	NELAP	0.000100		0.00168	mg/L	1	05/14/2018 14:35	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		78.8	%REC	10	05/16/2018 14:17	141800
Surr: Nitrobenzene-d5	*	10.6-152		103.0	%REC	10	05/16/2018 14:17	141800
Surr: p-Terphenyl-d14	*	10.6-169		96.6	%REC	1	05/14/2018 14:35	141800

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

Benzene	NELAP	5.00		979	µg/L	10	05/16/2018 14:45	141947
Bromoform	NELAP	20.0		ND	µg/L	10	05/16/2018 14:45	141947
Ethylbenzene	NELAP	10.0		103	µg/L	10	05/16/2018 14:45	141947
m,p-Xylenes	NELAP	10.0		110	µg/L	10	05/16/2018 14:45	141947
Methylene chloride	NELAP	20.0		ND	µg/L	10	05/16/2018 14:45	141947
Naphthalene	NELAP	20.0	E	2670	µg/L	10	05/16/2018 14:45	141947
o-Xylene	NELAP	10.0		94.5	µg/L	10	05/16/2018 14:45	141947
Toluene	NELAP	20.0		316	µg/L	10	05/16/2018 14:45	141947
trans-1,2-Dichloroethene	NELAP	20.0		ND	µg/L	10	05/16/2018 14:45	141947
Xylenes, Total	NELAP	10.0		205	µg/L	10	05/16/2018 14:45	141947
Surr: 1,2-Dichloroethane-d4	*	79.6-118		95.3	%REC	10	05/16/2018 14:45	141947
Surr: 4-Bromofluorobenzene	*	83.9-115		96.2	%REC	10	05/16/2018 14:45	141947
Surr: Dibromofluoromethane	*	84.9-113		103.2	%REC	10	05/16/2018 14:45	141947
Surr: Toluene-d8	*	86.7-112		101.8	%REC	10	05/16/2018 14:45	141947

Results for naphthalene are estimated due to sample result being outside the calibration range. Insufficient sample to reanalyze.

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



Laboratory Results

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Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-005

Client Sample ID: GW-05

Matrix: GROUNDWATER

Collection Date: 05/09/2018 9:45

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	05/14/2018 15:13	141800
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 15:13	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 15:13	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 15:13	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 15:13	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 15:13	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 15:13	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 15:13	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.0100		0.0122	mg/L	5	05/15/2018 19:42	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/14/2018 15:13	141800
Dibeno(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 15:13	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/14/2018 15:13	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/14/2018 15:13	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 15:13	141800
Naphthalene	NELAP	0.000200		0.000752	mg/L	1	05/14/2018 15:13	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/14/2018 15:13	141800
Pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 15:13	141800
Sur: 2-Fluorobiphenyl	*	21.8-124		72.6	%REC	1	05/14/2018 15:13	141800
Sur: Nitrobenzene-d5	*	10.6-152		75.7	%REC	1	05/14/2018 15:13	141800
Sur: p-Terphenyl-d14	*	10.6-169		93.6	%REC	1	05/14/2018 15:13	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/16/2018 13:50	141947
Bromoform	NELAP	2.00		ND	µg/L	1	05/16/2018 13:50	141947
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/16/2018 13:50	141947
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/16/2018 13:50	141947
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/16/2018 13:50	141947
Naphthalene	NELAP	2.00		ND	µg/L	1	05/16/2018 13:50	141947
o-Xylene	NELAP	1.00		ND	µg/L	1	05/16/2018 13:50	141947
Toluene	NELAP	2.00		ND	µg/L	1	05/16/2018 13:50	141947
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/16/2018 13:50	141947
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/16/2018 13:50	141947
Sur: 1,2-Dichloroethane-d4	*	79.6-118		95.8	%REC	1	05/16/2018 13:50	141947
Sur: 4-Bromofluorobenzene	*	83.9-115		100.3	%REC	1	05/16/2018 13:50	141947
Sur: Dibromofluoromethane	*	84.9-113		102.9	%REC	1	05/16/2018 13:50	141947
Sur: Toluene-d8	*	86.7-112		93.2	%REC	1	05/16/2018 13:50	141947



Laboratory Results

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Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-006

Client Sample ID: GW-07

Matrix: GROUNDWATER

Collection Date: 05/08/2018 18:45

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	05/16/2018 16:45	141800
Acenaphthylene	NELAP	0.000100		0.000244	mg/L	1	05/16/2018 16:45	141800
Anthracene	NELAP	0.000100		0.00198	mg/L	1	05/16/2018 16:45	141800
Benzo(a)anthracene	NELAP	0.000100		0.000203	mg/L	1	05/16/2018 16:45	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/16/2018 16:45	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/16/2018 16:45	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/16/2018 16:45	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/16/2018 16:45	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00400		0.00796	mg/L	2	05/17/2018 11:31	141800
Chrysene	NELAP	0.000100		0.000133	mg/L	1	05/16/2018 16:45	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/16/2018 16:45	141800
Fluoranthene	NELAP	0.000200		0.00228	mg/L	1	05/16/2018 16:45	141800
Fluorene	NELAP	0.000100		0.000427	mg/L	1	05/16/2018 16:45	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/16/2018 16:45	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/16/2018 16:45	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/16/2018 16:45	141800
Pyrene	NELAP	0.000100		0.00336	mg/L	1	05/16/2018 16:45	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		70.7	%REC	1	05/16/2018 16:45	141800
Surr: Nitrobenzene-d5	*	10.6-152		76.0	%REC	1	05/16/2018 16:45	141800
Surr: p-Terphenyl-d14	*	10.6-169		97.5	%REC	1	05/16/2018 16:45	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/16/2018 14:17	141947
Bromoform	NELAP	2.00		ND	µg/L	1	05/16/2018 14:17	141947
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/16/2018 14:17	141947
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/16/2018 14:17	141947
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/16/2018 14:17	141947
Naphthalene	NELAP	2.00		ND	µg/L	1	05/16/2018 14:17	141947
o-Xylene	NELAP	1.00		ND	µg/L	1	05/16/2018 14:17	141947
Toluene	NELAP	2.00		ND	µg/L	1	05/16/2018 14:17	141947
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/16/2018 14:17	141947
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/16/2018 14:17	141947
Surr: 1,2-Dichloroethane-d4	*	79.6-118		96.1	%REC	1	05/16/2018 14:17	141947
Surr: 4-Bromofluorobenzene	*	83.9-115		101.6	%REC	1	05/16/2018 14:17	141947
Surr: Dibromofluoromethane	*	84.9-113		102.1	%REC	1	05/16/2018 14:17	141947
Surr: Toluene-d8	*	86.7-112		99.2	%REC	1	05/16/2018 14:17	141947



Laboratory Results

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Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-007

Client Sample ID: GW-14

Matrix: GROUNDWATER

Collection Date: 05/07/2018 18:30

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	05/14/2018 16:30	141800
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 16:30	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 16:30	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 16:30	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 16:30	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 16:30	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 16:30	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 16:30	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.00367	mg/L	1	05/14/2018 16:30	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/14/2018 16:30	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 16:30	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/14/2018 16:30	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/14/2018 16:30	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 16:30	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/14/2018 16:30	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/14/2018 16:30	141800
Pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 16:30	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		74.0	%REC	1	05/14/2018 16:30	141800
Surr: Nitrobenzene-d5	*	10.6-152		81.4	%REC	1	05/14/2018 16:30	141800
Surr: p-Terphenyl-d14	*	10.6-169		98.6	%REC	1	05/14/2018 16:30	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/11/2018 13:28	141833
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 13:28	141833
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 13:28	141833
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 13:28	141833
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 13:28	141833
Naphthalene	NELAP	2.0	J	1.4	µg/L	1	05/11/2018 13:28	141833
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 13:28	141833
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 13:28	141833
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 13:28	141833
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/11/2018 13:28	141833
Surr: 1,2-Dichloroethane-d4	*	79.6-118		95.4	%REC	1	05/11/2018 13:28	141833
Surr: 4-Bromofluorobenzene	*	83.9-115		94.7	%REC	1	05/11/2018 13:28	141833
Surr: Dibromofluoromethane	*	84.9-113		95.8	%REC	1	05/11/2018 13:28	141833
Surr: Toluene-d8	*	86.7-112		98.4	%REC	1	05/11/2018 13:28	141833



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-008

Client Sample ID: GW-15

Matrix: GROUNDWATER

Collection Date: 05/08/2018 16:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.00010	J	0.000064	mg/L	1	05/14/2018 17:08	141800
Acenaphthylene	NELAP	0.00010	J	0.000076	mg/L	1	05/14/2018 17:08	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:08	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:08	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:08	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:08	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:08	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:08	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00400		0.00563	mg/L	2	05/16/2018 15:31	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:08	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:08	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/14/2018 17:08	141800
Fluorene	NELAP	0.000100		0.000110	mg/L	1	05/14/2018 17:08	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:08	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/14/2018 17:08	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/14/2018 17:08	141800
Pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:08	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		77.8	%REC	1	05/14/2018 17:08	141800
Surr: Nitrobenzene-d5	*	10.6-152		90.0	%REC	1	05/14/2018 17:08	141800
Surr: p-Terphenyl-d14	*	10.6-169		113.7	%REC	1	05/14/2018 17:08	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/11/2018 13:54	141833
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 13:54	141833
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 13:54	141833
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 13:54	141833
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 13:54	141833
Naphthalene	NELAP	2.0	J	0.80	µg/L	1	05/11/2018 13:54	141833
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 13:54	141833
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 13:54	141833
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 13:54	141833
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/11/2018 13:54	141833
Surr: 1,2-Dichloroethane-d4	*	79.6-118		95.3	%REC	1	05/11/2018 13:54	141833
Surr: 4-Bromofluorobenzene	*	83.9-115		97.4	%REC	1	05/11/2018 13:54	141833
Surr: Dibromofluoromethane	*	84.9-113		95.2	%REC	1	05/11/2018 13:54	141833
Surr: Toluene-d8	*	86.7-112		95.9	%REC	1	05/11/2018 13:54	141833



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-009

Client Sample ID: GW-16S

Matrix: GROUNDWATER

Collection Date: 05/07/2018 16:35

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	05/14/2018 17:45	141800
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:45	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:45	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:45	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:45	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:45	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:45	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:45	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.0200		0.0293	mg/L	10	05/16/2018 14:54	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:45	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:45	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/14/2018 17:45	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:45	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:45	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/14/2018 17:45	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/14/2018 17:45	141800
Pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 17:45	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		81.8	%REC	1	05/14/2018 17:45	141800
Surr: Nitrobenzene-d5	*	10.6-152		85.4	%REC	1	05/14/2018 17:45	141800
Surr: p-Terphenyl-d14	*	10.6-169		107.4	%REC	1	05/14/2018 17:45	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/11/2018 14:50	141833
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 14:50	141833
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 14:50	141833
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 14:50	141833
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 14:50	141833
Naphthalene	NELAP	2.0	J	0.70	µg/L	1	05/11/2018 14:50	141833
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 14:50	141833
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 14:50	141833
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 14:50	141833
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/11/2018 14:50	141833
Surr: 1,2-Dichloroethane-d4	*	79.6-118		93.8	%REC	1	05/11/2018 14:50	141833
Surr: 4-Bromofluorobenzene	*	83.9-115		96.7	%REC	1	05/11/2018 14:50	141833
Surr: Dibromofluoromethane	*	84.9-113		96.4	%REC	1	05/11/2018 14:50	141833
Surr: Toluene-d8	*	86.7-112		95.4	%REC	1	05/11/2018 14:50	141833



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-010

Client Sample ID: GW-16D

Matrix: GROUNDWATER

Collection Date: 05/07/2018 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	05/16/2018 17:21	141800
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:21	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:21	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:21	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:21	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:21	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:21	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:21	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00400		0.00939	mg/L	2	05/17/2018 13:21	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:21	141800
Dibeno(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:21	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/16/2018 17:21	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:21	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:21	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/16/2018 17:21	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/16/2018 17:21	141800
Pyrene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:21	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		75.0	%REC	1	05/16/2018 17:21	141800
Surr: Nitrobenzene-d5	*	10.6-152		79.1	%REC	1	05/16/2018 17:21	141800
Surr: p-Terphenyl-d14	*	10.6-169		98.5	%REC	1	05/16/2018 17:21	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50	J	0.22	µg/L	1	05/16/2018 8:33	141947
Bromoform	NELAP	2.00		ND	µg/L	1	05/16/2018 8:33	141947
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/16/2018 8:33	141947
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/16/2018 8:33	141947
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/16/2018 8:33	141947
Naphthalene	NELAP	2.00		ND	µg/L	1	05/16/2018 8:33	141947
o-Xylene	NELAP	1.00		ND	µg/L	1	05/16/2018 8:33	141947
Toluene	NELAP	2.00		ND	µg/L	1	05/16/2018 8:33	141947
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/16/2018 8:33	141947
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/16/2018 8:33	141947
Surr: 1,2-Dichloroethane-d4	*	79.6-118		94.9	%REC	1	05/16/2018 8:33	141947
Surr: 4-Bromofluorobenzene	*	83.9-115		97.8	%REC	1	05/16/2018 8:33	141947
Surr: Dibromofluoromethane	*	84.9-113		101.7	%REC	1	05/16/2018 8:33	141947
Surr: Toluene-d8	*	86.7-112		96.0	%REC	1	05/16/2018 8:33	141947



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-011

Client Sample ID: GW-17

Matrix: GROUNDWATER

Collection Date: 05/07/2018 17:00

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	05/16/2018 17:58	141800
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:58	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:58	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:58	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:58	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:58	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:58	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:58	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00400		0.00742	mg/L	2	05/17/2018 12:44	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:58	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:58	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/16/2018 17:58	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:58	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:58	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/16/2018 17:58	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/16/2018 17:58	141800
Pyrene	NELAP	0.000100		ND	mg/L	1	05/16/2018 17:58	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		68.2	%REC	1	05/16/2018 17:58	141800
Surr: Nitrobenzene-d5	*	10.6-152		75.8	%REC	1	05/16/2018 17:58	141800
Surr: p-Terphenyl-d14	*	10.6-169		90.2	%REC	1	05/16/2018 17:58	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/16/2018 8:59	141947
Bromoform	NELAP	2.00		ND	µg/L	1	05/16/2018 8:59	141947
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/16/2018 8:59	141947
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/16/2018 8:59	141947
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/16/2018 8:59	141947
Naphthalene	NELAP	2.00		ND	µg/L	1	05/16/2018 8:59	141947
o-Xylene	NELAP	1.00		ND	µg/L	1	05/16/2018 8:59	141947
Toluene	NELAP	2.00		ND	µg/L	1	05/16/2018 8:59	141947
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/16/2018 8:59	141947
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/16/2018 8:59	141947
Surr: 1,2-Dichloroethane-d4	*	79.6-118		88.9	%REC	1	05/16/2018 8:59	141947
Surr: 4-Bromofluorobenzene	*	83.9-115		98.6	%REC	1	05/16/2018 8:59	141947
Surr: Dibromofluoromethane	*	84.9-113		98.4	%REC	1	05/16/2018 8:59	141947
Surr: Toluene-d8	*	86.7-112		97.9	%REC	1	05/16/2018 8:59	141947



Laboratory Results

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

Client: ERM

Client Project: Ameren Taylorville 2nd Qtr 2018

Lab ID: 18050789-012

Matrix: GROUNDWATER

Work Order: 18050789

Report Date: 18-May-18

Client Sample ID: GW-18S

Collection Date: 05/08/2018 12:00

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	05/15/2018 2:37	141800
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:37	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:37	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:37	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:37	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:37	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:37	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:37	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.00327	mg/L	1	05/15/2018 2:37	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:37	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:37	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 2:37	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:37	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:37	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 2:37	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 2:37	141800
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:37	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		70.3	%REC	1	05/15/2018 2:37	141800
Surr: Nitrobenzene-d5	*	10.6-152		75.6	%REC	1	05/15/2018 2:37	141800
Surr: p-Terphenyl-d14	*	10.6-169		101.4	%REC	1	05/15/2018 2:37	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/16/2018 9:25	141947
Bromoform	NELAP	2.00		ND	µg/L	1	05/16/2018 9:25	141947
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/16/2018 9:25	141947
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/16/2018 9:25	141947
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/16/2018 9:25	141947
Naphthalene	NELAP	2.00		ND	µg/L	1	05/16/2018 9:25	141947
o-Xylene	NELAP	1.00		ND	µg/L	1	05/16/2018 9:25	141947
Toluene	NELAP	2.00		ND	µg/L	1	05/16/2018 9:25	141947
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/16/2018 9:25	141947
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/16/2018 9:25	141947
Surr: 1,2-Dichloroethane-d4	*	79.6-118		90.6	%REC	1	05/16/2018 9:25	141947
Surr: 4-Bromofluorobenzene	*	83.9-115		97.1	%REC	1	05/16/2018 9:25	141947
Surr: Dibromofluoromethane	*	84.9-113		99.7	%REC	1	05/16/2018 9:25	141947
Surr: Toluene-d8	*	86.7-112		95.3	%REC	1	05/16/2018 9:25	141947



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-013

Client Sample ID: GW-18D

Matrix: GROUNDWATER

Collection Date: 05/08/2018 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	05/15/2018 3:13	141800
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:13	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:13	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:13	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:13	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:13	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:13	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:13	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.00222	mg/L	1	05/15/2018 3:13	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:13	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:13	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 3:13	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:13	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:13	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 3:13	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 3:13	141800
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:13	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		73.4	%REC	1	05/15/2018 3:13	141800
Surr: Nitrobenzene-d5	*	10.6-152		78.7	%REC	1	05/15/2018 3:13	141800
Surr: p-Terphenyl-d14	*	10.6-169		95.7	%REC	1	05/15/2018 3:13	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/16/2018 9:51	141947
Bromoform	NELAP	2.00		ND	µg/L	1	05/16/2018 9:51	141947
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/16/2018 9:51	141947
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/16/2018 9:51	141947
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/16/2018 9:51	141947
Naphthalene	NELAP	2.00		ND	µg/L	1	05/16/2018 9:51	141947
o-Xylene	NELAP	1.00		ND	µg/L	1	05/16/2018 9:51	141947
Toluene	NELAP	2.00		ND	µg/L	1	05/16/2018 9:51	141947
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/16/2018 9:51	141947
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/16/2018 9:51	141947
Surr: 1,2-Dichloroethane-d4	*	79.6-118		95.6	%REC	1	05/16/2018 9:51	141947
Surr: 4-Bromofluorobenzene	*	83.9-115		98.9	%REC	1	05/16/2018 9:51	141947
Surr: Dibromofluoromethane	*	84.9-113		102.8	%REC	1	05/16/2018 9:51	141947
Surr: Toluene-d8	*	86.7-112		98.1	%REC	1	05/16/2018 9:51	141947



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-014

Client Sample ID: GW-19S

Matrix: GROUNDWATER

Collection Date: 05/08/2018 10:05

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	05/15/2018 3:49	141800
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:49	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:49	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:49	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:49	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:49	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:49	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:49	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00400		0.00502	mg/L	2	05/16/2018 16:08	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:49	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:49	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 3:49	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:49	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:49	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 3:49	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 3:49	141800
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 3:49	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		70.8	%REC	1	05/15/2018 3:49	141800
Surr: Nitrobenzene-d5	*	10.6-152		80.1	%REC	1	05/15/2018 3:49	141800
Surr: p-Terphenyl-d14	*	10.6-169		99.3	%REC	1	05/15/2018 3:49	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/16/2018 10:17	141947
Bromoform	NELAP	2.00		ND	µg/L	1	05/16/2018 10:17	141947
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/16/2018 10:17	141947
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/16/2018 10:17	141947
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/16/2018 10:17	141947
Naphthalene	NELAP	2.00		ND	µg/L	1	05/16/2018 10:17	141947
o-Xylene	NELAP	1.00		ND	µg/L	1	05/16/2018 10:17	141947
Toluene	NELAP	2.00		ND	µg/L	1	05/16/2018 10:17	141947
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/16/2018 10:17	141947
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/16/2018 10:17	141947
Surr: 1,2-Dichloroethane-d4	*	79.6-118		93.9	%REC	1	05/16/2018 10:17	141947
Surr: 4-Bromofluorobenzene	*	83.9-115		97.2	%REC	1	05/16/2018 10:17	141947
Surr: Dibromofluoromethane	*	84.9-113		100.5	%REC	1	05/16/2018 10:17	141947
Surr: Toluene-d8	*	86.7-112		97.4	%REC	1	05/16/2018 10:17	141947



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-015

Client Sample ID: GW-19D

Matrix: GROUNDWATER

Collection Date: 05/08/2018 9:45

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	05/15/2018 4:25	141800
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 4:25	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 4:25	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 4:25	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 4:25	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 4:25	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 4:25	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 4:25	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.00352	mg/L	1	05/15/2018 4:25	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 4:25	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 4:25	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 4:25	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 4:25	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 4:25	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 4:25	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 4:25	141800
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 4:25	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		77.1	%REC	1	05/15/2018 4:25	141800
Surr: Nitrobenzene-d5	*	10.6-152		72.4	%REC	1	05/15/2018 4:25	141800
Surr: p-Terphenyl-d14	*	10.6-169		89.6	%REC	1	05/15/2018 4:25	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/16/2018 10:43	141947
Bromoform	NELAP	2.00		ND	µg/L	1	05/16/2018 10:43	141947
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/16/2018 10:43	141947
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/16/2018 10:43	141947
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/16/2018 10:43	141947
Naphthalene	NELAP	2.00		ND	µg/L	1	05/16/2018 10:43	141947
o-Xylene	NELAP	1.00		ND	µg/L	1	05/16/2018 10:43	141947
Toluene	NELAP	2.00		ND	µg/L	1	05/16/2018 10:43	141947
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/16/2018 10:43	141947
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/16/2018 10:43	141947
Surr: 1,2-Dichloroethane-d4	*	79.6-118		96.4	%REC	1	05/16/2018 10:43	141947
Surr: 4-Bromofluorobenzene	*	83.9-115		100.1	%REC	1	05/16/2018 10:43	141947
Surr: Dibromofluoromethane	*	84.9-113		101.6	%REC	1	05/16/2018 10:43	141947
Surr: Toluene-d8	*	86.7-112		99.4	%REC	1	05/16/2018 10:43	141947



Laboratory Results

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

Client: ERM

Client Project: Ameren Taylorville 2nd Qtr 2018

Lab ID: 18050789-016

Work Order: 18050789

Report Date: 18-May-18

Matrix: GROUNDWATER

Client Sample ID: GW-20

Collection Date: 05/10/2018 10:40

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	05/15/2018 5:01	141800
Acenaphthylene	NELAP	0.00010	J	0.000070	mg/L	1	05/15/2018 5:01	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 5:01	141800
Benzo(a)anthracene	NELAP	0.00010	J	0.000086	mg/L	1	05/15/2018 5:01	141800
Benzo(a)pyrene	NELAP	0.000100		0.000178	mg/L	1	05/15/2018 5:01	141800
Benzo(b)fluoranthene	NELAP	0.000100		0.000128	mg/L	1	05/15/2018 5:01	141800
Benzo(g,h,i)perylene	NELAP	0.000100		0.000224	mg/L	1	05/15/2018 5:01	141800
Benzo(k)fluoranthene	NELAP	0.00010	J	0.000064	mg/L	1	05/15/2018 5:01	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/15/2018 5:01	141800
Chrysene	NELAP	0.00010	J	0.000055	mg/L	1	05/15/2018 5:01	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 5:01	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 5:01	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 5:01	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		0.000244	mg/L	1	05/15/2018 5:01	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 5:01	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 5:01	141800
Pyrene	NELAP	0.000100		0.000135	mg/L	1	05/15/2018 5:01	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		73.4	%REC	1	05/15/2018 5:01	141800
Surr: Nitrobenzene-d5	*	10.6-152		75.7	%REC	1	05/15/2018 5:01	141800
Surr: p-Terphenyl-d14	*	10.6-169		91.9	%REC	1	05/15/2018 5:01	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/16/2018 11:09	141947
Bromoform	NELAP	2.00		ND	µg/L	1	05/16/2018 11:09	141947
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/16/2018 11:09	141947
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/16/2018 11:09	141947
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/16/2018 11:09	141947
Naphthalene	NELAP	2.00		ND	µg/L	1	05/16/2018 11:09	141947
o-Xylene	NELAP	1.00		ND	µg/L	1	05/16/2018 11:09	141947
Toluene	NELAP	2.00		ND	µg/L	1	05/16/2018 11:09	141947
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/16/2018 11:09	141947
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/16/2018 11:09	141947
Surr: 1,2-Dichloroethane-d4	*	79.6-118		94.7	%REC	1	05/16/2018 11:09	141947
Surr: 4-Bromofluorobenzene	*	83.9-115		97.0	%REC	1	05/16/2018 11:09	141947
Surr: Dibromofluoromethane	*	84.9-113		100.7	%REC	1	05/16/2018 11:09	141947
Surr: Toluene-d8	*	86.7-112		96.4	%REC	1	05/16/2018 11:09	141947



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-017

Client Sample ID: GW-21

Matrix: GROUNDWATER

Collection Date: 05/10/2018 8:45

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	05/15/2018 5:38	141800
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 5:38	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 5:38	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 5:38	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 5:38	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 5:38	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 5:38	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 5:38	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/15/2018 5:38	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 5:38	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 5:38	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 5:38	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 5:38	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 5:38	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 5:38	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 5:38	141800
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 5:38	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		79.1	%REC	1	05/15/2018 5:38	141800
Surr: Nitrobenzene-d5	*	10.6-152		72.4	%REC	1	05/15/2018 5:38	141800
Surr: p-Terphenyl-d14	*	10.6-169		97.6	%REC	1	05/15/2018 5:38	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/16/2018 11:35	141947
Bromoform	NELAP	2.00		ND	µg/L	1	05/16/2018 11:35	141947
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/16/2018 11:35	141947
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/16/2018 11:35	141947
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/16/2018 11:35	141947
Naphthalene	NELAP	2.00		ND	µg/L	1	05/16/2018 11:35	141947
o-Xylene	NELAP	1.00		ND	µg/L	1	05/16/2018 11:35	141947
Toluene	NELAP	2.00		ND	µg/L	1	05/16/2018 11:35	141947
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/16/2018 11:35	141947
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/16/2018 11:35	141947
Sur: 1,2-Dichloroethane-d4	*	79.6-118		94.9	%REC	1	05/16/2018 11:35	141947
Sur: 4-Bromofluorobenzene	*	83.9-115		97.9	%REC	1	05/16/2018 11:35	141947
Sur: Dibromofluoromethane	*	84.9-113		100.7	%REC	1	05/16/2018 11:35	141947
Sur: Toluene-d8	*	86.7-112		96.3	%REC	1	05/16/2018 11:35	141947



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-018

Client Sample ID: GW-22S

Matrix: GROUNDWATER

Collection Date: 05/08/2018 14:25

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	05/15/2018 6:15	141800
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:15	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:15	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:15	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:15	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:15	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:15	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:15	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		0.00445	mg/L	1	05/15/2018 6:15	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:15	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:15	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 6:15	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:15	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:15	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 6:15	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 6:15	141800
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:15	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		92.8	%REC	1	05/15/2018 6:15	141800
Surr: Nitrobenzene-d5	*	10.6-152		79.6	%REC	1	05/15/2018 6:15	141800
Surr: p-Terphenyl-d14	*	10.6-169		115.0	%REC	1	05/15/2018 6:15	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/16/2018 12:02	141947
Bromoform	NELAP	2.00		ND	µg/L	1	05/16/2018 12:02	141947
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/16/2018 12:02	141947
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/16/2018 12:02	141947
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/16/2018 12:02	141947
Naphthalene	NELAP	2.00		ND	µg/L	1	05/16/2018 12:02	141947
o-Xylene	NELAP	1.00		ND	µg/L	1	05/16/2018 12:02	141947
Toluene	NELAP	2.00		ND	µg/L	1	05/16/2018 12:02	141947
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/16/2018 12:02	141947
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/16/2018 12:02	141947
Surr: 1,2-Dichloroethane-d4	*	79.6-118		93.6	%REC	1	05/16/2018 12:02	141947
Surr: 4-Bromofluorobenzene	*	83.9-115		94.5	%REC	1	05/16/2018 12:02	141947
Surr: Dibromofluoromethane	*	84.9-113		100.0	%REC	1	05/16/2018 12:02	141947
Surr: Toluene-d8	*	86.7-112		97.9	%REC	1	05/16/2018 12:02	141947



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-019

Client Sample ID: GW-22D

Matrix: GROUNDWATER

Collection Date: 05/08/2018 14:10

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	05/15/2018 6:53	141800
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:53	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:53	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:53	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:53	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:53	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:53	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:53	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.00400		0.00829	mg/L	2	05/16/2018 19:48	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:53	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:53	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 6:53	141800
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:53	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:53	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 6:53	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 6:53	141800
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 6:53	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		85.2	%REC	1	05/15/2018 6:53	141800
Surr: Nitrobenzene-d5	*	10.6-152		75.5	%REC	1	05/15/2018 6:53	141800
Surr: p-Terphenyl-d14	*	10.6-169		94.5	%REC	1	05/15/2018 6:53	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/16/2018 12:29	141947
Bromoform	NELAP	2.00		ND	µg/L	1	05/16/2018 12:29	141947
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/16/2018 12:29	141947
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/16/2018 12:29	141947
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/16/2018 12:29	141947
Naphthalene	NELAP	2.00		ND	µg/L	1	05/16/2018 12:29	141947
o-Xylene	NELAP	1.00		ND	µg/L	1	05/16/2018 12:29	141947
Toluene	NELAP	2.00		ND	µg/L	1	05/16/2018 12:29	141947
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/16/2018 12:29	141947
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/16/2018 12:29	141947
Surr: 1,2-Dichloroethane-d4	*	79.6-118		96.5	%REC	1	05/16/2018 12:29	141947
Surr: 4-Bromofluorobenzene	*	83.9-115		101.5	%REC	1	05/16/2018 12:29	141947
Surr: Dibromofluoromethane	*	84.9-113		101.8	%REC	1	05/16/2018 12:29	141947
Surr: Toluene-d8	*	86.7-112		97.8	%REC	1	05/16/2018 12:29	141947



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-020

Client Sample ID: GW-1 DUP

Matrix: GROUNDWATER

Collection Date: 05/10/2018 10:10

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	05/14/2018 22:24	141813
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 22:24	141813
Anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 22:24	141813
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 22:24	141813
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 22:24	141813
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 22:24	141813
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 22:24	141813
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 22:24	141813
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/14/2018 22:24	141813
Chrysene	NELAP	0.000100		ND	mg/L	1	05/14/2018 22:24	141813
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 22:24	141813
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/14/2018 22:24	141813
Fluorene	NELAP	0.000100		ND	mg/L	1	05/14/2018 22:24	141813
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 22:24	141813
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/14/2018 22:24	141813
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/14/2018 22:24	141813
Pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 22:24	141813
Surr: 2-Fluorobiphenyl	*	21.8-124		71.4	%REC	1	05/14/2018 22:24	141813
Surr: Nitrobenzene-d5	*	10.6-152		76.7	%REC	1	05/14/2018 22:24	141813
Surr: p-Terphenyl-d14	*	10.6-169		94.4	%REC	1	05/14/2018 22:24	141813
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/11/2018 14:55	141839
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 14:55	141839
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 14:55	141839
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 14:55	141839
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 14:55	141839
Naphthalene	NELAP	2.00	B	ND	µg/L	1	05/11/2018 14:55	141839
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 14:55	141839
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 14:55	141839
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 14:55	141839
Xylenes, Total	NELAP	1.00	B	ND	µg/L	1	05/11/2018 14:55	141839
Surr: 1,2-Dichloroethane-d4	*	79.6-118		106.4	%REC	1	05/11/2018 14:55	141839
Surr: 4-Bromofluorobenzene	*	83.9-115		97.1	%REC	1	05/11/2018 14:55	141839
Surr: Dibromofluoromethane	*	84.9-113		101.8	%REC	1	05/11/2018 14:55	141839
Surr: Toluene-d8	*	86.7-112		101.1	%REC	1	05/11/2018 14:55	141839

MBLK has detectable levels between the MDL and the RL for naphthalene and total xylenes. If sample results show a low level, they may be biased high by the detectable levels in the MBLK. Sample results less than the RL are reportable.



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-021

Client Sample ID: GW-15 DUP

Matrix: GROUNDWATER

Collection Date: 05/08/2018 16:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.00010	J	0.000053	mg/L	1	05/16/2018 18:35	141800
Acenaphthylene	NELAP	0.00010	J	0.000063	mg/L	1	05/16/2018 18:35	141800
Anthracene	NELAP	0.000100		ND	mg/L	1	05/16/2018 18:35	141800
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/16/2018 18:35	141800
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/16/2018 18:35	141800
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/16/2018 18:35	141800
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/16/2018 18:35	141800
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/16/2018 18:35	141800
Bis(2-ethylhexyl)phthalate	NELAP	0.0100		0.0109	mg/L	5	05/16/2018 13:40	141800
Chrysene	NELAP	0.000100		ND	mg/L	1	05/16/2018 18:35	141800
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/16/2018 18:35	141800
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/16/2018 18:35	141800
Fluorene	NELAP	0.000100		0.000101	mg/L	1	05/16/2018 18:35	141800
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/16/2018 18:35	141800
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/16/2018 18:35	141800
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/16/2018 18:35	141800
Pyrene	NELAP	0.000100		ND	mg/L	1	05/16/2018 18:35	141800
Surr: 2-Fluorobiphenyl	*	21.8-124		58.0	%REC	1	05/16/2018 18:35	141800
Surr: Nitrobenzene-d5	*	10.6-152		64.3	%REC	1	05/16/2018 18:35	141800
Surr: p-Terphenyl-d14	*	10.6-169		85.5	%REC	1	05/16/2018 18:35	141800
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/11/2018 15:23	141839
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 15:23	141839
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 15:23	141839
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 15:23	141839
Méthylène chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 15:23	141839
Naphthalene	NELAP	2.00	B	ND	µg/L	1	05/11/2018 15:23	141839
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 15:23	141839
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 15:23	141839
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 15:23	141839
Xylenes, Total	NELAP	1.00	B	ND	µg/L	1	05/11/2018 15:23	141839
Surr: 1,2-Dichloroethane-d4	*	79.6-118		108.7	%REC	1	05/11/2018 15:23	141839
Surr: 4-Bromofluorobenzene	*	83.9-115		97.7	%REC	1	05/11/2018 15:23	141839
Surr: Dibromofluoromethane	*	84.9-113		103.2	%REC	1	05/11/2018 15:23	141839
Surr: Toluene-d8	*	86.7-112		99.6	%REC	1	05/11/2018 15:23	141839

MBLK has detectable levels between the MDL and the RL for naphthalene and total xylenes. If sample results show a low level, they may be biased high by the detectable levels in the MBLK. Sample results less than the RL are reportable.



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-022

Client Sample ID: Trip Blank 1

Matrix: TRIP BLANK

Collection Date: 05/10/2018 14:10

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	05/11/2018 15:51	141839
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 15:51	141839
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 15:51	141839
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 15:51	141839
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 15:51	141839
Naphthalene	NELAP	2.00	B	ND	µg/L	1	05/11/2018 15:51	141839
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 15:51	141839
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 15:51	141839
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 15:51	141839
Xylenes, Total	NELAP	1.00	B	ND	µg/L	1	05/11/2018 15:51	141839
Surr: 1,2-Dichloroethane-d4	*	79.6-118		109.1	%REC	1	05/11/2018 15:51	141839
Surr: 4-Bromofluorobenzene	*	83.9-115		95.6	%REC	1	05/11/2018 15:51	141839
Surr: Dibromofluoromethane	*	84.9-113		103.0	%REC	1	05/11/2018 15:51	141839
Surr: Toluene-d8	*	86.7-112		99.8	%REC	1	05/11/2018 15:51	141839

MBLK has detectable levels between the MDL and the RL for naphthalene and total xylenes. If sample results show a low level, they may be biased high by the detectable levels in the MBLK. Sample results less than the RL are reportable.



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-023

Client Sample ID: Trip Blank 2

Matrix: TRIP BLANK

Collection Date: 05/10/2018 14:10

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	05/11/2018 16:20	141839
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 16:20	141839
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 16:20	141839
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 16:20	141839
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 16:20	141839
Naphthalene	NELAP	2.00	B	ND	µg/L	1	05/11/2018 16:20	141839
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 16:20	141839
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 16:20	141839
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 16:20	141839
Xylenes, Total	NELAP	1.00	B	ND	µg/L	1	05/11/2018 16:20	141839
Surr: 1,2-Dichloroethane-d4	*	79.6-118		106.8	%REC	1	05/11/2018 16:20	141839
Surr: 4-Bromofluorobenzene	*	83.9-115		95.5	%REC	1	05/11/2018 16:20	141839
Surr: Dibromofluoromethane	*	84.9-113		102.9	%REC	1	05/11/2018 16:20	141839
Surr: Toluene-d8	*	86.7-112		99.6	%REC	1	05/11/2018 16:20	141839

MBLK has detectable levels between the MDL and the RL for naphthalene and total xylenes. If sample results show a low level, they may be biased high by the detectable levels in the MBLK. Sample results less than the RL are reportable.



Laboratory Results

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

Client: ERM

Client Project: Ameren Taylorville 2nd Qtr 2018

Lab ID: 18050789-024

Matrix: GROUNDWATER

Work Order: 18050789

Report Date: 18-May-18

Client Sample ID: GW-103D DUP

Collection Date: 05/09/2018 15:55

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	05/14/2018 23:00	141813
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:00	141813
Anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:00	141813
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:00	141813
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:00	141813
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:00	141813
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:00	141813
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:00	141813
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/14/2018 23:00	141813
Chrysene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:00	141813
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:00	141813
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/14/2018 23:00	141813
Fluorene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:00	141813
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:00	141813
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/14/2018 23:00	141813
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/14/2018 23:00	141813
Pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:00	141813
Surr: 2-Fluorobiphenyl	*	21.8-124		69.4	%REC	1	05/14/2018 23:00	141813
Surr: Nitrobenzene-d5	*	10.6-152		78.9	%REC	1	05/14/2018 23:00	141813
Surr: p-Terphenyl-d14	*	10.6-169		92.8	%REC	1	05/14/2018 23:00	141813
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/11/2018 16:49	141839
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 16:49	141839
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 16:49	141839
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 16:49	141839
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 16:49	141839
Naphthalene	NELAP	2.00	B	ND	µg/L	1	05/11/2018 16:49	141839
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 16:49	141839
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 16:49	141839
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 16:49	141839
Xylenes, Total	NELAP	1.00	B	ND	µg/L	1	05/11/2018 16:49	141839
Surr: 1,2-Dichloroethane-d4	*	79.6-118		107.8	%REC	1	05/11/2018 16:49	141839
Surr: 4-Bromofluorobenzene	*	83.9-115		95.3	%REC	1	05/11/2018 16:49	141839
Surr: Dibromofluoromethane	*	84.9-113		105.6	%REC	1	05/11/2018 16:49	141839
Surr: Toluene-d8	*	86.7-112		99.2	%REC	1	05/11/2018 16:49	141839

MBLK has detectable levels between the MDL and the RL for naphthalene and total xylenes. If sample results show a low level, they may be biased high by the detectable levels in the MBLK. Sample results less than the RL are reportable.



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-025

Client Sample ID: GW-09S

Matrix: GROUNDWATER

Collection Date: 05/09/2018 17:00

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	05/14/2018 23:36	141813
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:36	141813
Anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:36	141813
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:36	141813
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:36	141813
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:36	141813
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:36	141813
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:36	141813
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/14/2018 23:36	141813
Chrysene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:36	141813
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:36	141813
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/14/2018 23:36	141813
Fluorene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:36	141813
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:36	141813
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/14/2018 23:36	141813
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/14/2018 23:36	141813
Pyrene	NELAP	0.000100		ND	mg/L	1	05/14/2018 23:36	141813
Surr: 2-Fluorobiphenyl	*	21.8-124		71.4	%REC	1	05/14/2018 23:36	141813
Surr: Nitrobenzene-d5	*	10.6-152		72.6	%REC	1	05/14/2018 23:36	141813
Surr: p-Terphenyl-d14	*	10.6-169		86.7	%REC	1	05/14/2018 23:36	141813
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/11/2018 17:18	141839
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 17:18	141839
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 17:18	141839
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 17:18	141839
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 17:18	141839
Naphthalene	NELAP	2.00	B	ND	µg/L	1	05/11/2018 17:18	141839
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 17:18	141839
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 17:18	141839
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 17:18	141839
Xylenes, Total	NELAP	1.00	B	ND	µg/L	1	05/11/2018 17:18	141839
Surr: 1,2-Dichloroethane-d4	*	79.6-118		106.5	%REC	1	05/11/2018 17:18	141839
Surr: 4-Bromofluorobenzene	*	83.9-115		97.6	%REC	1	05/11/2018 17:18	141839
Surr: Dibromofluoromethane	*	84.9-113		102.8	%REC	1	05/11/2018 17:18	141839
Surr: Toluene-d8	*	86.7-112		100.7	%REC	1	05/11/2018 17:18	141839

MBLK has detectable levels between the MDL and the RL for naphthalene and total xylenes. If sample results show a low level, they may be biased high by the detectable levels in the MBLK. Sample results less than the RL are reportable.



Laboratory Results

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

Client: ERM

Client Project: Ameren Taylorville 2nd Qtr 2018

Lab ID: 18050789-026

Matrix: GROUNDWATER

Work Order: 18050789

Report Date: 18-May-18

Client Sample ID: GW-09D

Collection Date: 05/09/2018 16:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:13	141813
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:13	141813
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:13	141813
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:13	141813
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:13	141813
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:13	141813
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:13	141813
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:13	141813
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/15/2018 0:13	141813
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:13	141813
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:13	141813
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 0:13	141813
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:13	141813
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:13	141813
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 0:13	141813
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 0:13	141813
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:13	141813
Surr: 2-Fluorobiphenyl	*	21.8-124		71.8	%REC	1	05/15/2018 0:13	141813
Surr: Nitrobenzene-d5	*	10.6-152		73.3	%REC	1	05/15/2018 0:13	141813
Surr: p-Terphenyl-d14	*	10.6-169		88.9	%REC	1	05/15/2018 0:13	141813
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/11/2018 17:46	141839
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 17:46	141839
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 17:46	141839
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 17:46	141839
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 17:46	141839
Naphthalene	NELAP	2.00	B	ND	µg/L	1	05/11/2018 17:46	141839
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 17:46	141839
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 17:46	141839
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 17:46	141839
Xylenes, Total	NELAP	1.00	B	ND	µg/L	1	05/11/2018 17:46	141839
Surr: 1,2-Dichloroethane-d4	*	79.6-118		107.3	%REC	1	05/11/2018 17:46	141839
Surr: 4-Bromofluorobenzene	*	83.9-115		96.1	%REC	1	05/11/2018 17:46	141839
Surr: Dibromofluoromethane	*	84.9-113		101.8	%REC	1	05/11/2018 17:46	141839
Surr: Toluene-d8	*	86.7-112		100.6	%REC	1	05/11/2018 17:46	141839

MBLK has detectable levels between the MDL and the RL for naphthalene and total xylenes. If sample results show a low level, they may be biased high by the detectable levels in the MBLK. Sample results less than the RL are reportable.



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-027

Client Sample ID: GW-12

Matrix: GROUNDWATER

Collection Date: 05/10/2018 9:10

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	05/15/2018 0:49	141813
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:49	141813
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:49	141813
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:49	141813
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:49	141813
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:49	141813
Benzo(g,h,i)perylene	NELAP	0.00010	J	0.000043	mg/L	1	05/15/2018 0:49	141813
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:49	141813
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/15/2018 0:49	141813
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:49	141813
Dibeno(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:49	141813
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 0:49	141813
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:49	141813
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:49	141813
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 0:49	141813
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 0:49	141813
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 0:49	141813
Sur: 2-Fluorobiphenyl	*	21.8-124		57.9	%REC	1	05/15/2018 0:49	141813
Sur: Nitrobenzene-d5	*	10.6-152		60.4	%REC	1	05/15/2018 0:49	141813
Sur: p-Terphenyl-d14	*	10.6-169		87.6	%REC	1	05/15/2018 0:49	141813
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/11/2018 18:15	141839
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 18:15	141839
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 18:15	141839
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 18:15	141839
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 18:15	141839
Naphthalene	NELAP	2.00	B	ND	µg/L	1	05/11/2018 18:15	141839
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 18:15	141839
Toluene	NELAP	2.0	J	0.18	µg/L	1	05/11/2018 18:15	141839
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 18:15	141839
Xylenes, Total	NELAP	1.00	B	ND	µg/L	1	05/11/2018 18:15	141839
Sur: 1,2-Dichloroethane-d4	*	79.6-118		107.7	%REC	1	05/11/2018 18:15	141839
Sur: 4-Bromofluorobenzene	*	83.9-115		95.1	%REC	1	05/11/2018 18:15	141839
Sur: Dibromofluoromethane	*	84.9-113		101.9	%REC	1	05/11/2018 18:15	141839
Sur: Toluene-d8	*	86.7-112		101.7	%REC	1	05/11/2018 18:15	141839

MBLK has detectable levels between the MDL and the RL for naphthalene and total xylenes. If sample results show a low level, they may be biased high by the detectable levels in the MBLK. Sample results less than the RL are reportable.



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-028

Client Sample ID: GW-13S

Matrix: GROUNDWATER

Collection Date: 05/09/2018 11:30

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	05/15/2018 1:25	141813
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 1:25	141813
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 1:25	141813
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 1:25	141813
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 1:25	141813
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 1:25	141813
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 1:25	141813
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 1:25	141813
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/15/2018 1:25	141813
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 1:25	141813
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 1:25	141813
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 1:25	141813
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 1:25	141813
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 1:25	141813
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 1:25	141813
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 1:25	141813
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 1:25	141813
Surr: 2-Fluorobiphenyl	*	21.8-124		59.7	%REC	1	05/15/2018 1:25	141813
Surr: Nitrobenzene-d5	*	10.6-152		65.2	%REC	1	05/15/2018 1:25	141813
Surr: p-Terphenyl-d14	*	10.6-169		78.2	%REC	1	05/15/2018 1:25	141813

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	05/11/2018 18:43	141839
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 18:43	141839
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 18:43	141839
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 18:43	141839
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 18:43	141839
Naphthalene	NELAP	2.00	B	ND	µg/L	1	05/11/2018 18:43	141839
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 18:43	141839
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 18:43	141839
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 18:43	141839
Xylenes, Total	NELAP	1.00	B	ND	µg/L	1	05/11/2018 18:43	141839
Surr: 1,2-Dichloroethane-d4	*	79.6-118		108.2	%REC	1	05/11/2018 18:43	141839
Surr: 4-Bromofluorobenzene	*	83.9-115		97.9	%REC	1	05/11/2018 18:43	141839
Surr: Dibromofluoromethane	*	84.9-113		103.5	%REC	1	05/11/2018 18:43	141839
Surr: Toluene-d8	*	86.7-112		99.7	%REC	1	05/11/2018 18:43	141839

MBLK has detectable levels between the MDL and the RL for naphthalene and total xylenes. If sample results show a low level, they may be biased high by the detectable levels in the MBLK. Sample results less than the RL are reportable.



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-029

Client Sample ID: GW-13D

Matrix: GROUNDWATER

Collection Date: 05/09/2018 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	05/15/2018 2:01	141813
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:01	141813
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:01	141813
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:01	141813
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:01	141813
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:01	141813
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:01	141813
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:01	141813
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/15/2018 2:01	141813
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:01	141813
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:01	141813
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 2:01	141813
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:01	141813
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:01	141813
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 2:01	141813
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 2:01	141813
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 2:01	141813
Surr: 2-Fluorobiphenyl	*	21.8-124		76.0	%REC	1	05/15/2018 2:01	141813
Surr: Nitrobenzene-d5	*	10.6-152		77.7	%REC	1	05/15/2018 2:01	141813
Surr: p-Terphenyl-d14	*	10.6-169		99.1	%REC	1	05/15/2018 2:01	141813
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/11/2018 19:11	141839
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 19:11	141839
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 19:11	141839
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 19:11	141839
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 19:11	141839
Naphthalene	NELAP	2.00	B	ND	µg/L	1	05/11/2018 19:11	141839
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 19:11	141839
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 19:11	141839
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 19:11	141839
Xylenes, Total	NELAP	1.00	B	ND	µg/L	1	05/11/2018 19:11	141839
Surr: 1,2-Dichloroethane-d4	*	79.6-118		107.8	%REC	1	05/11/2018 19:11	141839
Surr: 4-Bromofluorobenzene	*	83.9-115		94.7	%REC	1	05/11/2018 19:11	141839
Surr: Dibromofluoromethane	*	84.9-113		102.9	%REC	1	05/11/2018 19:11	141839
Surr: Toluene-d8	*	86.7-112		99.1	%REC	1	05/11/2018 19:11	141839

MBLK has detectable levels between the MDL and the RL for naphthalene and total xylenes. If sample results show a low level, they may be biased high by the detectable levels in the MBLK. Sample results less than the RL are reportable.



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-030

Client Sample ID: GW-101S

Matrix: GROUNDWATER

Collection Date: 05/09/2018 14:35

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	05/15/2018 12:57	141813
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 12:57	141813
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 12:57	141813
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 12:57	141813
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 12:57	141813
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 12:57	141813
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 12:57	141813
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 12:57	141813
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/15/2018 12:57	141813
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 12:57	141813
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 12:57	141813
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 12:57	141813
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 12:57	141813
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 12:57	141813
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 12:57	141813
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 12:57	141813
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 12:57	141813
Surr: 2-Fluorobiphenyl	*	21.8-124		69.8	%REC	1	05/15/2018 12:57	141813
Surr: Nitrobenzene-d5	*	10.6-152		77.3	%REC	1	05/15/2018 12:57	141813
Surr: p-Terphenyl-d14	*	10.6-169		99.8	%REC	1	05/15/2018 12:57	141813
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/11/2018 19:39	141839
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 19:39	141839
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 19:39	141839
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 19:39	141839
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 19:39	141839
Naphthalene	NELAP	2.00	B	ND	µg/L	1	05/11/2018 19:39	141839
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 19:39	141839
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 19:39	141839
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 19:39	141839
Xylenes, Total	NELAP	1.00	B	ND	µg/L	1	05/11/2018 19:39	141839
Surr: 1,2-Dichloroethane-d4	*	79.6-118		107.9	%REC	1	05/11/2018 19:39	141839
Surr: 4-Bromofluorobenzene	*	83.9-115		95.3	%REC	1	05/11/2018 19:39	141839
Surr: Dibromofluoromethane	*	84.9-113		101.7	%REC	1	05/11/2018 19:39	141839
Surr: Toluene-d8	*	86.7-112		98.6	%REC	1	05/11/2018 19:39	141839

MBLK has detectable levels between the MDL and the RL for naphthalene and total xylenes. If sample results show a low level, they may be biased high by the detectable levels in the MBLK. Sample results less than the RL are reportable.



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-031

Client Sample ID: GW-102S

Matrix: GROUNDWATER

Collection Date: 05/09/2018 14:00

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	05/15/2018 13:34	141813
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 13:34	141813
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 13:34	141813
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 13:34	141813
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 13:34	141813
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 13:34	141813
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 13:34	141813
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 13:34	141813
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/15/2018 13:34	141813
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 13:34	141813
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 13:34	141813
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 13:34	141813
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 13:34	141813
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 13:34	141813
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 13:34	141813
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 13:34	141813
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 13:34	141813
Surr: 2-Fluorobiphenyl	*	21.8-124		80.4	%REC	1	05/15/2018 13:34	141813
Surr: Nitrobenzene-d5	*	10.6-152		75.2	%REC	1	05/15/2018 13:34	141813
Surr: p-Terphenyl-d14	*	10.6-169		88.3	%REC	1	05/15/2018 13:34	141813
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/11/2018 20:06	141839
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 20:06	141839
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 20:06	141839
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 20:06	141839
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 20:06	141839
Naphthalene	NELAP	2.00	B	ND	µg/L	1	05/11/2018 20:06	141839
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 20:06	141839
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 20:06	141839
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 20:06	141839
Xylenes, Total	NELAP	1.00	B	ND	µg/L	1	05/11/2018 20:06	141839
Surr: 1,2-Dichloroethane-d4	*	79.6-118		106.8	%REC	1	05/11/2018 20:06	141839
Surr: 4-Bromofluorobenzene	*	83.9-115		97.5	%REC	1	05/11/2018 20:06	141839
Surr: Dibromofluoromethane	*	84.9-113		101.8	%REC	1	05/11/2018 20:06	141839
Surr: Toluene-d8	*	86.7-112		101.6	%REC	1	05/11/2018 20:06	141839

MBLK has detectable levels between the MDL and the RL for naphthalene and total xylenes. If sample results show a low level, they may be biased high by the detectable levels in the MBLK. Sample results less than the RL are reportable.



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-032

Client Sample ID: GW-102D

Matrix: GROUNDWATER

Collection Date: 05/09/2018 13:35

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	05/15/2018 16:01	141813
Acenaphthylene	NELAP	0.000100	SR	ND	mg/L	1	05/15/2018 16:01	141813
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 16:01	141813
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 16:01	141813
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 16:01	141813
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 16:01	141813
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 16:01	141813
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 16:01	141813
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/15/2018 16:01	141813
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 16:01	141813
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 16:01	141813
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 16:01	141813
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 16:01	141813
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 16:01	141813
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 16:01	141813
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 16:01	141813
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 16:01	141813
Surr: 2-Fluorobiphenyl	*	21.8-124		72.1	%REC	1	05/15/2018 16:01	141813
Surr: Nitrobenzene-d5	*	10.6-152		64.2	%REC	1	05/15/2018 16:01	141813
Surr: p-Terphenyl-d14	*	10.6-169		74.8	%REC	1	05/15/2018 16:01	141813

RPD for MS/MS was outside control limits due to sample composition.

Matrix spike did not recover within control limits due to sample composition.

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

Benzene	NELAP	0.50		ND	µg/L	1	05/11/2018 20:33	141839
Bromoform	NELAP	2.00		ND	µg/L	1	05/11/2018 20:33	141839
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/11/2018 20:33	141839
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/11/2018 20:33	141839
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/11/2018 20:33	141839
Naphthalene	NELAP	2.00	B	ND	µg/L	1	05/11/2018 20:33	141839
o-Xylene	NELAP	1.00		ND	µg/L	1	05/11/2018 20:33	141839
Toluene	NELAP	2.00		ND	µg/L	1	05/11/2018 20:33	141839
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/11/2018 20:33	141839
Xylenes, Total	NELAP	1.00	B	ND	µg/L	1	05/11/2018 20:33	141839
Surr: 1,2-Dichloroethane-d4	*	79.6-118		110.4	%REC	1	05/11/2018 20:33	141839
Surr: 4-Bromofluorobenzene	*	83.9-115		93.6	%REC	1	05/11/2018 20:33	141839
Surr: Dibromofluoromethane	*	84.9-113		105.2	%REC	1	05/11/2018 20:33	141839
Surr: Toluene-d8	*	86.7-112		100.3	%REC	1	05/11/2018 20:33	141839

MBLK has detectable levels between the MDL and the RL for naphthalene and total xylenes. If sample results show a low level, they may be biased high by the detectable levels in the MBLK. Sample results less than the RL are reportable.



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-033

Client Sample ID: GW-103S

Matrix: GROUNDWATER

Collection Date: 05/09/2018 16:10

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	05/15/2018 17:52	141813
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 17:52	141813
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 17:52	141813
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 17:52	141813
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 17:52	141813
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 17:52	141813
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 17:52	141813
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 17:52	141813
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/15/2018 17:52	141813
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 17:52	141813
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 17:52	141813
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 17:52	141813
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 17:52	141813
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 17:52	141813
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 17:52	141813
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 17:52	141813
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 17:52	141813
Surr: 2-Fluorobiphenyl	*	21.8-124		75.2	%REC	1	05/15/2018 17:52	141813
Surr: Nitrobenzene-d5	*	10.6-152		65.2	%REC	1	05/15/2018 17:52	141813
Surr: p-Terphenyl-d14	*	10.6-169		47.6	%REC	1	05/15/2018 17:52	141813
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/16/2018 12:56	141947
Bromoform	NELAP	2.00		ND	µg/L	1	05/16/2018 12:56	141947
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/16/2018 12:56	141947
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/16/2018 12:56	141947
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/16/2018 12:56	141947
Naphthalene	NELAP	2.00		ND	µg/L	1	05/16/2018 12:56	141947
o-Xylene	NELAP	1.00		ND	µg/L	1	05/16/2018 12:56	141947
Toluene	NELAP	2.00		ND	µg/L	1	05/16/2018 12:56	141947
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/16/2018 12:56	141947
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/16/2018 12:56	141947
Surr: 1,2-Dichloroethane-d4	*	79.6-118		95.7	%REC	1	05/16/2018 12:56	141947
Surr: 4-Bromofluorobenzene	*	83.9-115		99.5	%REC	1	05/16/2018 12:56	141947
Surr: Dibromofluoromethane	*	84.9-113		100.9	%REC	1	05/16/2018 12:56	141947
Surr: Toluene-d8	*	86.7-112		94.7	%REC	1	05/16/2018 12:56	141947



Laboratory Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab ID: 18050789-034

Client Sample ID: GW-103D

Matrix: GROUNDWATER

Collection Date: 05/09/2018 15:55

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	05/15/2018 18:28	141813
Acenaphthylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 18:28	141813
Anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 18:28	141813
Benzo(a)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 18:28	141813
Benzo(a)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 18:28	141813
Benzo(b)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 18:28	141813
Benzo(g,h,i)perylene	NELAP	0.000100		ND	mg/L	1	05/15/2018 18:28	141813
Benzo(k)fluoranthene	NELAP	0.000100		ND	mg/L	1	05/15/2018 18:28	141813
Bis(2-ethylhexyl)phthalate	NELAP	0.00200		ND	mg/L	1	05/15/2018 18:28	141813
Chrysene	NELAP	0.000100		ND	mg/L	1	05/15/2018 18:28	141813
Dibenzo(a,h)anthracene	NELAP	0.000100		ND	mg/L	1	05/15/2018 18:28	141813
Fluoranthene	NELAP	0.000200		ND	mg/L	1	05/15/2018 18:28	141813
Fluorene	NELAP	0.000100		ND	mg/L	1	05/15/2018 18:28	141813
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 18:28	141813
Naphthalene	NELAP	0.000200		ND	mg/L	1	05/15/2018 18:28	141813
Phenanthrene	NELAP	0.000400		ND	mg/L	1	05/15/2018 18:28	141813
Pyrene	NELAP	0.000100		ND	mg/L	1	05/15/2018 18:28	141813
Surr: 2-Fluorobiphenyl	*	21.8-124		81.0	%REC	1	05/15/2018 18:28	141813
Surr: Nitrobenzene-d5	*	10.6-152		74.8	%REC	1	05/15/2018 18:28	141813
Surr: p-Terphenyl-d14	*	10.6-169		81.3	%REC	1	05/15/2018 18:28	141813
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.50		ND	µg/L	1	05/16/2018 13:23	141947
Bromoform	NELAP	2.00		ND	µg/L	1	05/16/2018 13:23	141947
Ethylbenzene	NELAP	1.00		ND	µg/L	1	05/16/2018 13:23	141947
m,p-Xylenes	NELAP	1.00		ND	µg/L	1	05/16/2018 13:23	141947
Methylene chloride	NELAP	2.00		ND	µg/L	1	05/16/2018 13:23	141947
Naphthalene	NELAP	2.00		ND	µg/L	1	05/16/2018 13:23	141947
o-Xylene	NELAP	1.00		ND	µg/L	1	05/16/2018 13:23	141947
Toluene	NELAP	2.00		ND	µg/L	1	05/16/2018 13:23	141947
trans-1,2-Dichloroethene	NELAP	2.00		ND	µg/L	1	05/16/2018 13:23	141947
Xylenes, Total	NELAP	1.00		ND	µg/L	1	05/16/2018 13:23	141947
Surr: 1,2-Dichloroethane-d4	*	79.6-118		95.5	%REC	1	05/16/2018 13:23	141947
Surr: 4-Bromofluorobenzene	*	83.9-115		102.4	%REC	1	05/16/2018 13:23	141947
Surr: Dibromofluoromethane	*	84.9-113		99.9	%REC	1	05/16/2018 13:23	141947
Surr: Toluene-d8	*	86.7-112		98.0	%REC	1	05/16/2018 13:23	141947



Sample Summary

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
18050789-001	GW-01	Groundwater	2	05/10/2018 10:10
18050789-002	GW-02	Groundwater	2	05/09/2018 17:40
18050789-003	GW-03	Groundwater	2	05/09/2018 18:25
18050789-004	GW-04R	Groundwater	2	05/08/2018 17:10
18050789-005	GW-05	Groundwater	2	05/09/2018 9:45
18050789-006	GW-07	Groundwater	2	05/08/2018 18:45
18050789-007	GW-14	Groundwater	2	05/07/2018 18:30
18050789-008	GW-15	Groundwater	2	05/08/2018 16:50
18050789-009	GW-16S	Groundwater	2	05/07/2018 16:35
18050789-010	GW-16D	Groundwater	2	05/07/2018 16:15
18050789-011	GW-17	Groundwater	2	05/07/2018 17:00
18050789-012	GW-18S	Groundwater	2	05/08/2018 12:00
18050789-013	GW-18D	Groundwater	2	05/08/2018 11:40
18050789-014	GW-19S	Groundwater	2	05/08/2018 10:05
18050789-015	GW-19D	Groundwater	2	05/08/2018 9:45
18050789-016	GW-20	Groundwater	2	05/10/2018 10:40
18050789-017	GW-21	Groundwater	2	05/10/2018 8:45
18050789-018	GW-22S	Groundwater	2	05/08/2018 14:25
18050789-019	GW-22D	Groundwater	2	05/08/2018 14:10
18050789-020	GW-1 DUP	Groundwater	2	05/10/2018 10:10
18050789-021	GW-15 DUP	Groundwater	2	05/08/2018 16:50
18050789-022	Trip Blank 1	Trip Blank	1	05/10/2018 14:10
18050789-023	Trip Blank 2	Trip Blank	1	05/10/2018 14:10
18050789-024	GW-103D DUP	Groundwater	2	05/09/2018 15:55
18050789-025	GW-09S	Groundwater	2	05/09/2018 17:00
18050789-026	GW-09D	Groundwater	2	05/09/2018 16:50
18050789-027	GW-12	Groundwater	2	05/10/2018 9:10
18050789-028	GW-13S	Groundwater	2	05/09/2018 11:30
18050789-029	GW-13D	Groundwater	2	05/09/2018 11:20
18050789-030	GW-101S	Groundwater	2	05/09/2018 14:35
18050789-031	GW-102S	Groundwater	2	05/09/2018 14:00
18050789-032	GW-102D	Groundwater	2	05/09/2018 13:35
18050789-033	GW-103S	Groundwater	2	05/09/2018 16:10
18050789-034	GW-103D	Groundwater	2	05/09/2018 15:55



Dates Report

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
		Test Name			
18050789-001A	GW-01	05/10/2018 10:10	05/10/2018 14:10		
		SW-846 3510C,8270C, Semi-Volatile Organic Compounds		05/11/2018 12:55	05/14/2018 11:25
18050789-001B	GW-01	05/10/2018 10:10	05/10/2018 14:10		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			05/11/2018 10:52
18050789-002A	GW-02	05/09/2018 17:40	05/10/2018 14:10		
		SW-846 3510C,8270C, Semi-Volatile Organic Compounds		05/11/2018 12:55	05/14/2018 13:18
18050789-002B	GW-02	05/09/2018 17:40	05/10/2018 14:10		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			05/11/2018 11:18
18050789-003A	GW-03	05/09/2018 18:25	05/10/2018 14:10		
		SW-846 3510C,8270C, Semi-Volatile Organic Compounds		05/11/2018 12:55	05/14/2018 13:56
		SW-846 3510C,8270C, Semi-Volatile Organic Compounds		05/11/2018 12:55	05/15/2018 19:05
18050789-003B	GW-03	05/09/2018 18:25	05/10/2018 14:10		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			05/11/2018 11:43
18050789-004A	GW-04R	05/08/2018 17:10	05/10/2018 14:10		
		SW-846 3510C,8270C, Semi-Volatile Organic Compounds		05/11/2018 12:55	05/14/2018 14:35
		SW-846 3510C,8270C, Semi-Volatile Organic Compounds		05/11/2018 12:55	05/16/2018 14:17
		SW-846 3510C,8270C, Semi-Volatile Organic Compounds		05/11/2018 12:55	05/16/2018 19:11
18050789-004B	GW-04R	05/08/2018 17:10	05/10/2018 14:10		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			05/16/2018 14:45
18050789-005A	GW-05	05/09/2018 9:45	05/10/2018 14:10		
		SW-846 3510C,8270C, Semi-Volatile Organic Compounds		05/11/2018 12:55	05/14/2018 15:13
		SW-846 3510C,8270C, Semi-Volatile Organic Compounds		05/11/2018 12:55	05/15/2018 19:42
18050789-005B	GW-05	05/09/2018 9:45	05/10/2018 14:10		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			05/16/2018 13:50
18050789-006A	GW-07	05/08/2018 18:45	05/10/2018 14:10		
		SW-846 3510C,8270C, Semi-Volatile Organic Compounds		05/11/2018 12:55	05/16/2018 16:45
		SW-846 3510C,8270C, Semi-Volatile Organic Compounds		05/11/2018 12:55	05/17/2018 11:31
18050789-006B	GW-07	05/08/2018 18:45	05/10/2018 14:10		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			05/16/2018 14:17
18050789-007A	GW-14	05/07/2018 18:30	05/10/2018 14:10		
		SW-846 3510C,8270C, Semi-Volatile Organic Compounds		05/11/2018 12:55	05/14/2018 16:30
18050789-007B	GW-14	05/07/2018 18:30	05/10/2018 14:10		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			05/11/2018 13:28
18050789-008A	GW-15	05/08/2018 16:50	05/10/2018 14:10		
		SW-846 3510C,8270C, Semi-Volatile Organic Compounds		05/11/2018 12:55	05/14/2018 17:08



Dates Report

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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			05/11/2018 12:55	05/16/2018 15:31
18050789-008B	GW-15	05/08/2018 16:50	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2018 13:54
18050789-009A	GW-16S	05/07/2018 16:35	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 12:55	05/14/2018 17:45
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 12:55	05/16/2018 14:54
18050789-009B	GW-16S	05/07/2018 16:35	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2018 14:50
18050789-010A	GW-16D	05/07/2018 16:15	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/16/2018 17:21
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/17/2018 13:21
18050789-010B	GW-16D	05/07/2018 16:15	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/16/2018 8:33
18050789-011A	GW-17	05/07/2018 17:00	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/16/2018 17:58
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/17/2018 12:44
18050789-011B	GW-17	05/07/2018 17:00	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/16/2018 8:59
18050789-012A	GW-18S	05/08/2018 12:00	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/15/2018 2:37
18050789-012B	GW-18S	05/08/2018 12:00	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/16/2018 9:25
18050789-013A	GW-18D	05/08/2018 11:40	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/15/2018 3:13
18050789-013B	GW-18D	05/08/2018 11:40	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/16/2018 9:51
18050789-014A	GW-19S	05/08/2018 10:05	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/15/2018 3:49
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/16/2018 16:08
18050789-014B	GW-19S	05/08/2018 10:05	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/16/2018 10:17
18050789-015A	GW-19D	05/08/2018 9:45	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/15/2018 4:25
18050789-015B	GW-19D	05/08/2018 9:45	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/16/2018 10:43



Dates Report

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Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
18050789-016A	GW-20	05/10/2018 10:40	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/15/2018 5:01
18050789-016B	GW-20	05/10/2018 10:40	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/16/2018 11:09
18050789-017A	GW-21	05/10/2018 8:45	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/15/2018 5:38
18050789-017B	GW-21	05/10/2018 8:45	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/16/2018 11:35
18050789-018A	GW-22S	05/08/2018 14:25	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/15/2018 6:15
18050789-018B	GW-22S	05/08/2018 14:25	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/16/2018 12:02
18050789-019A	GW-22D	05/08/2018 14:10	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/15/2018 6:53
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/16/2018 19:48
18050789-019B	GW-22D	05/08/2018 14:10	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/16/2018 12:29
18050789-020A	GW-1 DUP	05/10/2018 10:10	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 17:04	05/14/2018 22:24
18050789-020B	GW-1 DUP	05/10/2018 10:10	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2018 14:55
18050789-021A	GW-15 DUP	05/08/2018 16:50	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/16/2018 13:40
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 14:32	05/16/2018 18:35
18050789-021B	GW-15 DUP	05/08/2018 16:50	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2018 15:23
18050789-022A	Trip Blank 1	05/10/2018 14:10	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2018 15:51
18050789-023A	Trip Blank 2	05/10/2018 14:10	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2018 16:20
18050789-024A	GW-103D DUP	05/09/2018 15:55	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 17:04	05/14/2018 23:00
18050789-024B	GW-103D DUP	05/09/2018 15:55	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2018 16:49
18050789-025A	GW-09S	05/09/2018 17:00	05/10/2018 14:10		



Dates Report

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Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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			05/11/2018 17:04	05/14/2018 23:36
18050789-025B	GW-09S	05/09/2018 17:00	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2018 17:18
18050789-026A	GW-09D	05/09/2018 16:50	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 17:04	05/15/2018 0:13
18050789-026B	GW-09D	05/09/2018 16:50	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2018 17:46
18050789-027A	GW-12	05/10/2018 9:10	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 17:04	05/15/2018 0:49
18050789-027B	GW-12	05/10/2018 9:10	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2018 18:15
18050789-028A	GW-13S	05/09/2018 11:30	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 17:04	05/15/2018 1:25
18050789-028B	GW-13S	05/09/2018 11:30	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2018 18:43
18050789-029A	GW-13D	05/09/2018 11:20	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 17:04	05/15/2018 2:01
18050789-029B	GW-13D	05/09/2018 11:20	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2018 19:11
18050789-030A	GW-101S	05/09/2018 14:35	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 17:04	05/15/2018 12:57
18050789-030B	GW-101S	05/09/2018 14:35	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2018 19:39
18050789-031A	GW-102S	05/09/2018 14:00	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 17:04	05/15/2018 13:34
18050789-031B	GW-102S	05/09/2018 14:00	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2018 20:06
18050789-032A	GW-102D	05/09/2018 13:35	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 20:10	05/15/2018 16:01
18050789-032B	GW-102D	05/09/2018 13:35	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2018 20:33
18050789-033A	GW-103S	05/09/2018 16:10	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 20:10	05/15/2018 17:52
18050789-033B	GW-103S	05/09/2018 16:10	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/16/2018 12:56



Dates Report

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Client: ERM

Client Project: Ameren Taylorville 2nd Qtr 2018

Work Order: 18050789

Report Date: 18-May-18

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
Test Name					
18050789-034A	GW-103D	05/09/2018 15:55	05/10/2018 14:10		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2018 20:10	05/15/2018 18:28
18050789-034B	GW-103D	05/09/2018 15:55	05/10/2018 14:10		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/16/2018 13:23



Quality Control Results

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Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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

Batch 141800 SampType: MBLK Units mg/L
SamplD: MBLK-141800

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		ND						05/14/2018
Acenaphthylene	0.000100		ND						05/14/2018
Anthracene	0.000100		ND						05/14/2018
Benzo(a)anthracene	0.000100		ND						05/14/2018
Benzo(a)pyrene	0.000100		ND						05/14/2018
Benzo(b)fluoranthene	0.000100		ND						05/14/2018
Benzo(g,h,i)perylene	0.000100		ND						05/14/2018
Benzo(k)fluoranthene	0.000100		ND						05/14/2018
Bis(2-ethylhexyl)phthalate	0.00600		ND						05/14/2018
Chrysene	0.000100		ND						05/14/2018
Dibenz(a,h)anthracene	0.000100		ND						05/14/2018
Fluoranthene	0.000200		ND						05/14/2018
Fluorene	0.000100		ND						05/14/2018
Indeno(1,2,3-cd)pyrene	0.000100		ND						05/14/2018
Naphthalene	0.000200		ND						05/14/2018
Phenanthrene	0.000400		ND						05/14/2018
Pyrene	0.000100		ND						05/14/2018
Surr: 2-Fluorobiphenyl			0.000710 J.00100C		71.0		42.6	114	05/14/2018
Surr: Nitrobenzene-d5			0.000794 J.00100C		79.4		35.6	125	05/14/2018
Surr: p-Terphenyl-d14			0.000941 J.00100C		94.1		48.7	138	05/14/2018

Batch 141800 SampType: LCS Units mg/L
SamplD: LCS-141800

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		0.00167 J.00200C	0	83.4		48.2	115	05/14/2018
Acenaphthylene	0.000100		0.00178 J.00200C	0	89.2		47	114	05/14/2018
Anthracene	0.000100		0.00171 J.00200C	0	85.7		51.1	112	05/14/2018
Benzo(a)anthracene	0.000100		0.00173 J.00200C	0	86.3		36.5	132	05/14/2018
Benzo(a)pyrene	0.000100		0.00179 J.00200C	0	89.3		41.8	130	05/14/2018
Benzo(b)fluoranthene	0.000100		0.00176 J.00200C	0	88.0		39.5	130	05/14/2018
Benzo(g,h,i)perylene	0.000100		0.00187 J.00200C	0	93.3		41.4	138	05/14/2018
Benzo(k)fluoranthene	0.000100		0.00182 J.00200C	0	90.9		41.7	135	05/14/2018
Bis(2-ethylhexyl)phthalate	0.00600	J	0.0021 J.00200C	0	103.9		68.5	152	05/14/2018
Chrysene	0.000100		0.00180 J.00200C	0	89.8		28.7	143	05/14/2018
Dibenz(a,h)anthracene	0.000100		0.00174 J.00200C	0	87.2		36.5	139	05/14/2018
Fluoranthene	0.000200		0.00187 J.00200C	0	93.3		49.1	130	05/14/2018
Fluorene	0.000100		0.00173 J.00200C	0	86.5		47.5	123	05/14/2018
Indeno(1,2,3-cd)pyrene	0.000100		0.00197 J.00200C	0	98.4		41.4	138	05/14/2018
Naphthalene	0.000200		0.00164 J.00200C	0	82.1		50.6	105	05/14/2018
Phenanthrene	0.000400		0.00191 J.00200C	0	95.6		48.9	125	05/14/2018
Pyrene	0.000100		0.00180 J.00200C	0	90.0		52.8	126	05/14/2018
Surr: 2-Fluorobiphenyl			0.000801 J.00100C		80.1		42.6	114	05/14/2018
Surr: Nitrobenzene-d5			0.000823 J.00100C		82.3		35.6	125	05/14/2018
Surr: p-Terphenyl-d14			0.000976 J.00100C		97.6		48.7	138	05/14/2018



Quality Control Results

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Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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

Batch	141800	SampType:	LCSD	Units	mg/L	RPD Limit 40			Date Analyzed
				SampID:	LCSD-141800				
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Acenaphthene	0.000100		0.00168	0.00200C	0	84.0	0.001667	0.69	05/14/2018
Acenaphthylene	0.000100		0.00177	0.00200C	0	88.6	0.001783	0.65	05/14/2018
Anthracene	0.000100		0.00172	0.00200C	0	85.8	0.001714	0.17	05/14/2018
Benzo(a)anthracene	0.000100		0.00181	0.00200C	0	90.4	0.001726	4.64	05/14/2018
Benzo(a)pyrene	0.000100		0.00190	0.00200C	0	95.0	0.001786	6.26	05/14/2018
Benzo(b)fluoranthene	0.000100		0.00192	0.00200C	0	95.8	0.001759	8.53	05/14/2018
Benzo(g,h,i)perylene	0.000100		0.00198	0.00200C	0	98.9	0.001866	5.80	05/14/2018
Benzo(k)fluoranthene	0.000100		0.00191	0.00200C	0	95.7	0.001818	5.12	05/14/2018
Bis(2-ethylhexyl)phthalate	0.00600	J	0.0023	0.00200C	0	113.6	0.002078	0.00	05/14/2018
Chrysene	0.000100		0.00181	0.00200C	0	90.6	0.001796	0.84	05/14/2018
Dibenzo(a,h)anthracene	0.000100		0.00184	0.00200C	0	92.2	0.001744	5.53	05/14/2018
Fluoranthene	0.000200		0.00185	0.00200C	0	92.3	0.001866	1.09	05/14/2018
Fluorene	0.000100		0.00180	0.00200C	0	90.2	0.001729	4.26	05/14/2018
Indeno(1,2,3-cd)pyrene	0.000100		0.00189	0.00200C	0	94.3	0.001967	4.21	05/14/2018
Naphthalene	0.000200		0.00159	0.00200C	0	79.4	0.001643	3.39	05/14/2018
Phenanthrene	0.000400		0.00193	0.00200C	0	96.6	0.001912	1.08	05/14/2018
Pyrene	0.000100		0.00186	0.00200C	0	92.9	0.001801	3.15	05/14/2018
Surrogate:	2-Fluorobiphenyl			0.000769	0.00100C	76.9			05/14/2018
Surrogate:	Nitrobenzene-d5			0.000840	0.00100C	84.0			05/14/2018
Surrogate:	p-Terphenyl-d14			0.000954	0.00100C	95.4			05/14/2018

Batch 141813 SampType: MBLK

Batch	141813	SampType:	MBLK	Units	mg/L	Low Limit			High Limit	Date Analyzed
				SampID:	MBLK-141813					
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Date Analyzed
Acenaphthene	0.000100		ND							05/14/2018
Acenaphthylene	0.000100		ND							05/14/2018
Anthracene	0.000100		ND							05/14/2018
Benzo(a)anthracene	0.000100		ND							05/14/2018
Benzo(a)pyrene	0.000100		ND							05/14/2018
Benzo(b)fluoranthene	0.000100		ND							05/14/2018
Benzo(g,h,i)perylene	0.000100		ND							05/14/2018
Benzo(k)fluoranthene	0.000100		ND							05/14/2018
Bis(2-ethylhexyl)phthalate	0.00200		ND							05/14/2018
Chrysene	0.000100		ND							05/14/2018
Dibenzo(a,h)anthracene	0.000100		ND							05/14/2018
Fluoranthene	0.000200		ND							05/14/2018
Fluorene	0.000100		ND							05/14/2018
Indeno(1,2,3-cd)pyrene	0.000100		ND							05/14/2018
Naphthalene	0.000200		ND							05/14/2018
Phenanthrene	0.000400		ND							05/14/2018
Pyrene	0.000100		ND							05/14/2018
Surrogate:	2-Fluorobiphenyl		0.000882	0.00100C		88.2	42.6	114		05/14/2018
Surrogate:	Nitrobenzene-d5		0.000860	0.00100C		86.0	35.6	125		05/14/2018
Surrogate:	p-Terphenyl-d14		0.00109	0.00100C		109.3	48.7	138		05/14/2018



Quality Control Results

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Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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

Batch 141813 SampType: LCS Units mg/L
SamplID: LCS-141813

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		0.00174	0.00200C	0	87.2	48.2	115	05/14/2018
Acenaphthylene	0.000100		0.00182	0.00200C	0	90.8	47	114	05/14/2018
Anthracene	0.000100		0.00165	0.00200C	0	82.7	51.1	112	05/14/2018
Benzo(a)anthracene	0.000100		0.00174	0.00200C	0	86.9	36.5	132	05/14/2018
Benzo(a)pyrene	0.000100		0.00191	0.00200C	0	95.4	41.8	130	05/14/2018
Benzo(b)fluoranthene	0.000100		0.00192	0.00200C	0	96.0	39.5	130	05/14/2018
Benzo(g,h,i)perylene	0.000100		0.00196	0.00200C	0	98.2	41.4	138	05/14/2018
Benzo(k)fluoranthene	0.000100		0.00190	0.00200C	0	94.8	41.7	135	05/14/2018
Bis(2-ethylhexyl)phthalate	0.00600	J	0.0023	0.00200C	0	116.9	68.5	152	05/14/2018
Chrysene	0.000100		0.00182	0.00200C	0	90.8	28.7	143	05/14/2018
Dibenzo(a,h)anthracene	0.000100		0.00196	0.00200C	0	98.2	36.5	139	05/14/2018
Fluoranthene	0.000200		0.00182	0.00200C	0	91.0	49.1	130	05/14/2018
Fluorene	0.000100		0.00185	0.00200C	0	92.7	47.5	123	05/14/2018
Indeno(1,2,3-cd)pyrene	0.000100		0.00206	0.00200C	0	103.0	41.4	138	05/14/2018
Naphthalene	0.000200		0.00168	0.00200C	0	84.1	50.6	105	05/14/2018
Phenanthrene	0.000400		0.00184	0.00200C	0	92.1	48.9	125	05/14/2018
Pyrene	0.000100		0.00182	0.00200C	0	90.9	52.8	126	05/14/2018
Sur: 2-Fluorobiphenyl			0.000705	0.00100C		70.5	42.6	114	05/14/2018
Sur: Nitrobenzene-d5			0.000780	0.00100C		78.0	35.6	125	05/14/2018
Sur: p-Terphenyl-d14			0.000938	0.00100C		93.8	48.7	138	05/14/2018

Batch 141813 SampType: LCSD Units mg/L RPD Limit 40

SamplID: LCSD-141813

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.000100		0.00174	0.00200C	0	87.1	0.001744	0.07	05/14/2018
Acenaphthylene	0.000100		0.00174	0.00200C	0	86.9	0.001816	4.37	05/14/2018
Anthracene	0.000100		0.00173	0.00200C	0	86.4	0.001654	4.45	05/14/2018
Benzo(a)anthracene	0.000100		0.00171	0.00200C	0	85.3	0.001737	1.78	05/14/2018
Benzo(a)pyrene	0.000100		0.00185	0.00200C	0	92.5	0.001909	3.11	05/14/2018
Benzo(b)fluoranthene	0.000100		0.00185	0.00200C	0	92.4	0.001921	3.92	05/14/2018
Benzo(g,h,i)perylene	0.000100		0.00194	0.00200C	0	97.0	0.001964	1.19	05/14/2018
Benzo(k)fluoranthene	0.000100		0.00181	0.00200C	0	90.6	0.001897	4.56	05/14/2018
Bis(2-ethylhexyl)phthalate	0.00200		0.00218	0.00200C	0	109.2	0.002338	6.82	05/14/2018
Chrysene	0.000100		0.00160	0.00200C	0	79.9	0.001816	12.73	05/14/2018
Dibenzo(a,h)anthracene	0.000100		0.00185	0.00200C	0	92.4	0.001965	6.12	05/14/2018
Fluoranthene	0.000200		0.00182	0.00200C	0	90.9	0.001820	0.12	05/14/2018
Fluorene	0.000100		0.00178	0.00200C	0	89.1	0.001855	3.99	05/14/2018
Indeno(1,2,3-cd)pyrene	0.000100		0.00211	0.00200C	0	105.7	0.002060	2.60	05/14/2018
Naphthalene	0.000200		0.00170	0.00200C	0	84.8	0.001682	0.87	05/14/2018
Phenanthrene	0.000400		0.00186	0.00200C	0	93.2	0.001843	1.18	05/14/2018
Pyrene	0.000100		0.00182	0.00200C	0	90.8	0.001818	0.10	05/14/2018
Sur: 2-Fluorobiphenyl			0.000784	0.00100C		78.4			05/14/2018
Sur: Nitrobenzene-d5			0.000786	0.00100C		78.6			05/14/2018
Sur: p-Terphenyl-d14			0.000942	0.00100C		94.2			05/14/2018



Quality Control Results

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Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		0.00151	0.00200C	0	75.7	40.5	121		05/15/2018
Acenaphthylene	0.000100		0.00156	0.00200C	0	77.8	50.9	132		05/15/2018
Anthracene	0.000100		0.00162	0.00200C	0	81.1	62.1	120		05/15/2018
Benzo(a)anthracene	0.000100		0.00152	0.00200C	0	76.0	67.8	119		05/15/2018
Benzo(a)pyrene	0.000100		0.00154	0.00200C	0	77.1	73.8	124		05/15/2018
Benzo(b)fluoranthene	0.000100		0.00149	0.00200C	0	74.4	73.3	119		05/15/2018
Benzo(g,h,i)perylene	0.000100		0.00168	0.00200C	0	84.1	56.3	139		05/15/2018
Benzo(k)fluoranthene	0.000100		0.00159	0.00200C	0	79.5	69.5	115		05/15/2018
Bis(2-ethylhexyl)phthalate	0.00200	J	0.0017	0.00200C	0	86.5	33.3	221		05/15/2018
Chrysene	0.000100		0.00161	0.00200C	0	80.3	69	112		05/15/2018
Dibenzo(a,h)anthracene	0.000100		0.00151	0.00200C	0	75.4	66.1	135		05/15/2018
Fluoranthene	0.000200		0.00162	0.00200C	0	81.1	69.4	117		05/15/2018
Fluorene	0.000100		0.00153	0.00200C	0	76.3	54.3	116		05/15/2018
Indeno(1,2,3-cd)pyrene	0.000100		0.00151	0.00200C	0	75.7	62.5	136		05/15/2018
Naphthalene	0.000200		0.00145	0.00200C	0	72.7	34.6	129		05/15/2018
Phenanthrene	0.000400		0.00164	0.00200C	0	82.0	62.4	108		05/15/2018
Pyrene	0.000100		0.00167	0.00200C	0	83.3	64.2	118		05/15/2018
Sur: 2-Fluorobiphenyl			0.000736	0.00100C		73.6	21.8	124		05/15/2018
Sur: Nitrobenzene-d5			0.000777	0.00100C		77.7	10.6	152		05/15/2018
Sur: p-Terphenyl-d14			0.000922	0.00100C		92.2	10.6	169		05/15/2018

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD	Date Analyzed
Acenaphthene	0.000100		0.00166	0.00200C	0	83.1	0.001514	9.39			05/15/2018
Acenaphthylene	0.000100	SR	0.000905	0.00200C	0	45.2	0.001556	52.95			05/15/2018
Anthracene	0.000100		0.00165	0.00200C	0	82.4	0.001623	1.57			05/15/2018
Benzo(a)anthracene	0.000100		0.00155	0.00200C	0	77.3	0.001519	1.79			05/15/2018
Benzo(a)pyrene	0.000100		0.00158	0.00200C	0	79.1	0.001542	2.57			05/15/2018
Benzo(b)fluoranthene	0.000100		0.00156	0.00200C	0	77.8	0.001487	4.48			05/15/2018
Benzo(g,h,i)perylene	0.000100		0.00166	0.00200C	0	83.1	0.001681	1.12			05/15/2018
Benzo(k)fluoranthene	0.000100		0.00164	0.00200C	0	82.2	0.001590	3.32			05/15/2018
Bis(2-ethylhexyl)phthalate	0.00600	J	0.0017	0.00200C	0	84.7	0.001729	0.00			05/15/2018
Chrysene	0.000100		0.00162	0.00200C	0	81.1	0.001606	0.97			05/15/2018
Dibenzo(a,h)anthracene	0.000100		0.00157	0.00200C	0	78.3	0.001507	3.87			05/15/2018
Fluoranthene	0.000200		0.00177	0.00200C	0	88.6	0.001623	8.77			05/15/2018
Fluorene	0.000100		0.00163	0.00200C	0	81.7	0.001526	6.84			05/15/2018
Indeno(1,2,3-cd)pyrene	0.000100		0.00155	0.00200C	0	77.6	0.001514	2.45			05/15/2018
Naphthalene	0.000200		0.00156	0.00200C	0	78.2	0.001454	7.32			05/15/2018
Phenanthrene	0.000400		0.00170	0.00200C	0	84.8	0.001639	3.46			05/15/2018
Pyrene	0.000100		0.00175	0.00200C	0	87.3	0.001665	4.78			05/15/2018
Sur: 2-Fluorobiphenyl			0.000744	0.00100C		74.4					05/15/2018
Sur: Nitrobenzene-d5			0.000795	0.00100C		79.5					05/15/2018
Sur: p-Terphenyl-d14			0.000826	0.00100C		82.6					05/15/2018



Quality Control Results

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Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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

Batch 141833 SampType: MBLK Units µg/L
SamplD: MBLK-T180511A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		ND						05/11/2018
Bromoform	2.0		ND						05/11/2018
Ethylbenzene	2.0		ND						05/11/2018
m,p-Xylenes	2.0		ND						05/11/2018
Methylene chloride	2.0		ND						05/11/2018
Naphthalene	5.0		ND						05/11/2018
o-Xylene	2.0		ND						05/11/2018
Toluene	2.0		ND						05/11/2018
trans-1,2-Dichloroethene	2.0		ND						05/11/2018
Xylenes, Total	2.0		ND						05/11/2018
Surr: 1,2-Dichloroethane-d4			47.3	50.00		94.7	79.6	118	05/11/2018
Surr: 4-Bromofluorobenzene			49.1	50.00		98.2	83.9	115	05/11/2018
Surr: Dibromofluoromethane			47.8	50.00		95.6	84.9	113	05/11/2018
Surr: Toluene-d8			48.0	50.00		96.0	86.7	112	05/11/2018

Batch 141833 SampType: LCSD Units µg/L
SamplD: LCSD-T180511A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		51.2	50.00	0	102.4	50.60	1.20	05/11/2018
Bromoform	2.0		57.0	50.00	0	114.1	57.79	1.32	05/11/2018
Ethylbenzene	2.0		49.9	50.00	0	99.7	50.33	0.92	05/11/2018
m,p-Xylenes	2.0		98.0	100.0	0	98.0	101.1	3.12	05/11/2018
Methylene chloride	2.0		51.1	50.00	0	102.2	50.89	0.37	05/11/2018
Naphthalene	5.0		51.6	50.00	0	103.2	51.70	0.15	05/11/2018
o-Xylene	2.0		50.2	50.00	0	100.5	50.67	0.83	05/11/2018
Toluene	2.0		50.0	50.00	0	100.0	49.83	0.30	05/11/2018
trans-1,2-Dichloroethene	2.0		50.2	50.00	0	100.5	49.59	1.28	05/11/2018
Xylenes, Total	2.0		148	150.0	0	98.8	151.8	2.35	05/11/2018
Surr: 1,2-Dichloroethane-d4			46.2	50.00		92.4			05/11/2018
Surr: 4-Bromofluorobenzene			48.1	50.00		96.1			05/11/2018
Surr: Dibromofluoromethane			49.1	50.00		98.2			05/11/2018
Surr: Toluene-d8			48.8	50.00		97.6			05/11/2018



Quality Control Results

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Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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

Analyses	Batch 141833	SampType: LCS	Units µg/L	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene			0.5			50.6	50.00	0	101.2	77.8	120	05/11/2018
Bromoform			2.0			57.8	50.00	0	115.6	74.6	126	05/11/2018
Ethylbenzene			2.0			50.3	50.00	0	100.7	81.8	117	05/11/2018
m,p-Xylenes			2.0			101	100.0	0	101.1	82.7	118	05/11/2018
Methylene chloride			2.0			50.9	50.00	0	101.8	71	114	05/11/2018
Naphthalene			5.0			51.7	50.00	0	103.4	74.1	125	05/11/2018
o-Xylene			2.0			50.7	50.00	0	101.3	80.1	118	05/11/2018
Toluene			2.0			49.8	50.00	0	99.7	82.2	113	05/11/2018
trans-1,2-Dichloroethene			2.0			49.6	50.00	0	99.2	77.5	121	05/11/2018
Xylenes, Total			2.0			152	150.0	0	101.2	82.7	118	05/11/2018
Sur: 1,2-Dichloroethane-d4						46.2	50.00		92.5	79.6	118	05/11/2018
Sur: 4-Bromofluorobenzene						48.0	50.00		95.9	83.9	115	05/11/2018
Sur: Dibromofluoromethane						48.1	50.00		96.2	84.9	113	05/11/2018
Sur: Toluene-d8						50.1	50.00		100.3	86.7	112	05/11/2018

Batch 141839 SampType: MBLK Units µg/L

Analyses	Batch 141839	SampType: MBLK	Units µg/L	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene			0.5			ND						05/11/2018
Bromoform			2.0			ND						05/11/2018
Ethylbenzene			2.0			ND						05/11/2018
m,p-Xylenes			2.0			ND						05/11/2018
Methylene chloride			2.0			ND						05/11/2018
Naphthalene			5.0	J		0.3						05/11/2018
o-Xylene			2.0			ND						05/11/2018
Toluene			2.0			ND						05/11/2018
trans-1,2-Dichloroethene			2.0			ND						05/11/2018
Xylenes, Total			2.0	J		0.1						05/11/2018
Sur: 1,2-Dichloroethane-d4						52.7	50.00		105.4	79.6	118	05/11/2018
Sur: 4-Bromofluorobenzene						48.6	50.00		97.2	83.9	115	05/11/2018
Sur: Dibromofluoromethane						51.2	50.00		102.3	84.9	113	05/11/2018
Sur: Toluene-d8						50.2	50.00		100.4	86.7	112	05/11/2018



Quality Control Results

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Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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

Batch	141839	SampType:	LCSD	Units µg/L				RPD Limit 40			Date Analyzed
				SampID:	LCSD-R180511A-1						
Analyses	RL	Qual		Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Benzene	0.5			52.4	50.00	0	104.9	48.99	6.80		05/11/2018
Bromoform	2.0			50.0	50.00	0	100.0	48.84	2.35		05/11/2018
Ethylbenzene	2.0			51.6	50.00	0	103.2	48.37	6.44		05/11/2018
m,p-Xylenes	2.0			104	100.0	0	103.6	98.51	4.99		05/11/2018
Methylene chloride	2.0			54.6	50.00	0	109.2	51.84	5.19		05/11/2018
Naphthalene	5.0	B		52.8	50.00	0	105.6	50.28	4.85		05/11/2018
o-Xylene	2.0			51.5	50.00	0	103.0	49.20	4.61		05/11/2018
Toluene	2.0			51.6	50.00	0	103.3	49.22	4.78		05/11/2018
trans-1,2-Dichloroethene	2.0			49.6	50.00	0	99.1	45.01	9.60		05/11/2018
Xylenes, Total	2.0	B		155	150.0	0	103.4	147.7	4.86		05/11/2018
Surr: 1,2-Dichloroethane-d4				53.4	50.00		106.7				05/11/2018
Surr: 4-Bromofluorobenzene				47.0	50.00		94.1				05/11/2018
Surr: Dibromofluoromethane				51.0	50.00		101.9				05/11/2018
Surr: Toluene-d8				49.3	50.00		98.7				05/11/2018

Batch 141839 SampType: LCS Units µg/L

Batch	141839	SampType:	LCS	Units µg/L				Low Limit			High Limit		Date Analyzed
				SampID:	LCS-R180511A-1								
Analyses	RL	Qual		Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit				
Benzene	0.5			49.0	50.00	0	98.0	77.8	120			05/11/2018	
Bromoform	2.0			48.8	50.00	0	97.7	74.6	126			05/11/2018	
Ethylbenzene	2.0			48.4	50.00	0	96.7	81.8	117			05/11/2018	
m,p-Xylenes	2.0			98.5	100.0	0	98.5	82.7	118			05/11/2018	
Methylene chloride	2.0			51.8	50.00	0	103.7	71	114			05/11/2018	
Naphthalene	5.0	B		50.3	50.00	0	100.6	74.1	125			05/11/2018	
o-Xylene	2.0			49.2	50.00	0	98.4	80.1	118			05/11/2018	
Toluene	2.0			49.2	50.00	0	98.4	82.2	113			05/11/2018	
trans-1,2-Dichloroethene	2.0			45.0	50.00	0	90.0	77.5	121			05/11/2018	
Xylenes, Total	2.0	B		148	150.0	0	98.5	82.7	118			05/11/2018	
Surr: 1,2-Dichloroethane-d4				54.0	50.00		108.1	79.6	118			05/11/2018	
Surr: 4-Bromofluorobenzene				48.4	50.00		96.8	83.9	115			05/11/2018	
Surr: Dibromofluoromethane				51.7	50.00		103.3	84.9	113			05/11/2018	
Surr: Toluene-d8				49.5	50.00		98.9	86.7	112			05/11/2018	



Quality Control Results

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Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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

Analyses	Batch 141839	SampType: MS	Units µg/L	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene			0.50			55.6	50.00	0	111.1	62.5	121	05/11/2018
Ethylbenzene			1.00			54.6	50.00	0	109.3	74.4	130	05/11/2018
m,p-Xylenes			1.00			54.1	50.00	0	108.2	70.5	126	05/11/2018
o-Xylene			1.00			54.4	50.00	0	108.8	71.2	124	05/11/2018
Toluene			2.00			53.9	50.00	0	107.7	69.5	118	05/11/2018
Xylenes, Total			1.00	B		108	100.0	0	108.5	71.1	125	05/11/2018
Sur: 1,2-Dichloroethane-d4						54.5	50.00		109.0	74.7	129	05/11/2018
Sur: 4-Bromofluorobenzene						49.3	50.00		98.6	86	119	05/11/2018
Sur: Dibromofluoromethane						51.4	50.00		102.8	81.7	123	05/11/2018
Sur: Toluene-d8						49.9	50.00		99.8	84.3	114	05/11/2018

Batch 141839 SampType: MSD Units µg/L RPD Limit 20

Analyses	Batch 141839	SampType: MSD	Units µg/L	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene			0.50			54.5	50.00	0	109.0	55.56	1.91	05/11/2018
Ethylbenzene			1.00			53.5	50.00	0	106.9	54.63	2.15	05/11/2018
m,p-Xylenes			1.00			53.0	50.00	0	106.0	54.08	1.98	05/11/2018
o-Xylene			1.00			53.4	50.00	0	106.8	54.40	1.89	05/11/2018
Toluene			2.00			53.2	50.00	0	106.3	53.86	1.29	05/11/2018
Xylenes, Total			1.00	B		106	100.0	0	106.4	108.5	1.94	05/11/2018
Sur: 1,2-Dichloroethane-d4						53.6	50.00		107.1			05/11/2018
Sur: 4-Bromofluorobenzene						46.8	50.00		93.6			05/11/2018
Sur: Dibromofluoromethane						50.6	50.00		101.1			05/11/2018
Sur: Toluene-d8						49.7	50.00		99.3			05/11/2018

Batch 141947 SampType: MBLK Units µg/L

Analyses	Batch 141947	SampType: MBLK	Units µg/L	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene			0.5			ND						05/16/2018
Bromoform			2.0			ND						05/16/2018
Ethylbenzene			2.0			ND						05/16/2018
m,p-Xylenes			2.0			ND						05/16/2018
Methylene chloride			2.0			ND						05/16/2018
Naphthalene			5.0			ND						05/16/2018
o-Xylene			2.0			ND						05/16/2018
Toluene			2.0			ND						05/16/2018
trans-1,2-Dichloroethene			2.0			ND						05/16/2018
Xylenes, Total			2.0			ND						05/16/2018
Sur: 1,2-Dichloroethane-d4						46.8	50.00	93.7	79.6	118		05/16/2018
Sur: 4-Bromofluorobenzene						49.4	50.00	98.7	83.9	115		05/16/2018
Sur: Dibromofluoromethane						50.7	50.00	101.3	84.9	113		05/16/2018
Sur: Toluene-d8						47.5	50.00	94.9	86.7	112		05/16/2018



Quality Control Results

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Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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

Analyses	Batch 141947	SampType: LCSD	Units µg/L	RPD Limit 40				Date Analyzed		
				Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Benzene		0.5		50.7	50.00	0	101.5	51.55	1.58	05/16/2018
Bromoform		2.0		53.9	50.00	0	107.8	53.38	1.01	05/16/2018
Ethylbenzene		2.0		50.2	50.00	0	100.3	51.48	2.62	05/16/2018
m,p-Xylenes		2.0		102	100.0	0	102.2	100.8	1.40	05/16/2018
Methylene chloride		2.0		46.4	50.00	0	92.9	46.11	0.69	05/16/2018
Naphthalene		5.0		51.2	50.00	0	102.3	46.63	9.28	05/16/2018
o-Xylene		2.0		51.8	50.00	0	103.5	50.43	2.60	05/16/2018
Toluene		2.0		46.8	50.00	0	93.5	46.77	0.04	05/16/2018
trans-1,2-Dichloroethene		2.0		50.4	50.00	0	100.7	52.09	3.38	05/16/2018
Xylenes, Total		2.0		154	150.0	0	102.7	151.3	1.80	05/16/2018
Surr: 1,2-Dichloroethane-d4				46.3	50.00		92.6			05/16/2018
Surr: 4-Bromofluorobenzene				49.1	50.00		98.3			05/16/2018
Surr: Dibromofluoromethane				52.6	50.00		105.1			05/16/2018
Surr: Toluene-d8				48.0	50.00		96.0			05/16/2018

Batch 141947 SampType: LCS

Analyses	Batch 141947	SampType: LCS	Units µg/L	Low Limit				High Limit	Date Analyzed	
				Result	Spike	SPK Ref Val	%REC			
Benzene		0.5		51.6	50.00	0	103.1	77.8	120	05/16/2018
Bromoform		2.0		53.4	50.00	0	106.8	74.6	126	05/16/2018
Ethylbenzene		2.0		51.5	50.00	0	103.0	81.8	117	05/16/2018
m,p-Xylenes		2.0		101	100.0	0	100.8	82.7	118	05/16/2018
Methylene chloride		2.0		46.1	50.00	0	92.2	71	114	05/16/2018
Naphthalene		5.0		46.6	50.00	0	93.3	74.1	125	05/16/2018
o-Xylene		2.0		50.4	50.00	0	100.9	80.1	118	05/16/2018
Toluene		2.0		46.8	50.00	0	93.5	82.2	113	05/16/2018
trans-1,2-Dichloroethene		2.0		52.1	50.00	0	104.2	77.5	121	05/16/2018
Xylenes, Total		2.0		151	150.0	0	100.8	82.7	118	05/16/2018
Surr: 1,2-Dichloroethane-d4				46.9	50.00		93.9	79.6	118	05/16/2018
Surr: 4-Bromofluorobenzene				47.8	50.00		95.6	83.9	115	05/16/2018
Surr: Dibromofluoromethane				51.8	50.00		103.6	84.9	113	05/16/2018
Surr: Toluene-d8				49.0	50.00		97.9	86.7	112	05/16/2018



Quality Control Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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

Batch 141972 SampType: MBLK Units µg/L

SampID: MBLK-N180517A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		ND						05/17/2018
Bromoform	2.0		ND						05/17/2018
Ethylbenzene	2.0		ND						05/17/2018
m,p-Xylenes	2.0		ND						05/17/2018
Methylene chloride	2.0		ND						05/17/2018
Naphthalene	5.0		ND						05/17/2018
o-Xylene	2.0		ND						05/17/2018
Toluene	2.0		ND						05/17/2018
trans-1,2-Dichloroethene	2.0		ND						05/17/2018
Xylenes, Total	2.0		ND						05/17/2018
Sur: 1,2-Dichloroethane-d4			47.0	50.00		93.9	79.6	118	05/17/2018
Sur: 4-Bromofluorobenzene			48.0	50.00		96.0	83.9	115	05/17/2018
Sur: Dibromofluoromethane			50.8	50.00		101.6	84.9	113	05/17/2018
Sur: Toluene-d8			48.3	50.00		96.5	86.7	112	05/17/2018

Batch 141972 SampType: LCSD Units µg/L

SampID: LCSD-N180517A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		50.7	50.00	0	101.3	53.23	4.95	05/17/2018
Bromoform	2.0		55.6	50.00	0	111.1	57.24	3.00	05/17/2018
Ethylbenzene	2.0		52.4	50.00	0	104.8	54.18	3.36	05/17/2018
m,p-Xylenes	2.0		109	100.0	0	108.8	111.7	2.61	05/17/2018
Methylene chloride	2.0		46.7	50.00	0	93.5	46.91	0.36	05/17/2018
Naphthalene	5.0		51.2	50.00	0	102.5	50.62	1.22	05/17/2018
o-Xylene	2.0		52.6	50.00	0	105.1	54.54	3.68	05/17/2018
Toluene	2.0		49.6	50.00	0	99.1	50.13	1.14	05/17/2018
trans-1,2-Dichloroethene	2.0		51.8	50.00	0	103.6	50.01	3.52	05/17/2018
Xylenes, Total	2.0		161	150.0	0	107.6	166.2	2.96	05/17/2018
Sur: 1,2-Dichloroethane-d4			44.5	50.00		88.9			05/17/2018
Sur: 4-Bromofluorobenzene			50.1	50.00		100.2			05/17/2018
Sur: Dibromofluoromethane			50.7	50.00		101.3			05/17/2018
Sur: Toluene-d8			48.1	50.00		96.2			05/17/2018



Quality Control Results

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

Client: ERM

Work Order: 18050789

Client Project: Ameren Taylorville 2nd Qtr 2018

Report Date: 18-May-18

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

Batch 141972 SampType: LCS Units µg/L
SampID: LCS-N180517A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		53.2	50.00	0	106.5	77.8	120	05/17/2018
Bromoform	2.0		57.2	50.00	0	114.5	74.6	126	05/17/2018
Ethylbenzene	2.0		54.2	50.00	0	108.4	81.8	117	05/17/2018
m,p-Xylenes	2.0		112	100.0	0	111.7	82.7	118	05/17/2018
Methylene chloride	2.0		46.9	50.00	0	93.8	71	114	05/17/2018
Naphthalene	5.0		50.6	50.00	0	101.2	74.1	125	05/17/2018
o-Xylene	2.0		54.5	50.00	0	109.1	80.1	118	05/17/2018
Toluene	2.0		50.1	50.00	0	100.3	82.2	113	05/17/2018
trans-1,2-Dichloroethene	2.0		50.0	50.00	0	100.0	77.5	121	05/17/2018
Xylenes, Total	2.0		166	150.0	0	110.8	82.7	118	05/17/2018
Sur: 1,2-Dichloroethane-d4			46.8	50.00		93.7	79.6	118	05/17/2018
Sur: 4-Bromofluorobenzene			49.1	50.00		98.3	83.9	115	05/17/2018
Sur: Dibromofluoromethane			50.3	50.00		100.6	84.9	113	05/17/2018
Sur: Toluene-d8			50.0	50.00		100.0	86.7	112	05/17/2018



Receiving Check List

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

Client: ERM

Client Project: Ameren Taylorville 2nd Qtr 2018

Work Order: 18050789

Report Date: 18-May-18

Carrier: Greg Moore

Completed by:

On:

10-May-18

Amber Dilallo
Amber M. Dilallo

Received By: EAH

Reviewed by:

On:

11-May-18

Elizabeth A. Hurley

Elizabeth A. Hurley

Pages to follow: Chain of custody

4

Extra pages included

0

Shipping container/cooler 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.

Headspace was present in one GW-05, two GW-14, one GW-15, two GW-18D, two GW-19S, two GW-19D, two GW-22D, two TB1, two TB2, two GW-13D and one GW-102D volatile vials. - EHurley - 5/10/2018 4:07:33 PM

Per Brett Carney, proceed with headspace present. Matt Halley is on leave. AMD 5/11/18

Trip Blank collection date and time will be reported as the received date and time (end of trip). - EHurley - 5/11/2018 10:41:58 AM

CHAIN OF CUSTODY

pg. 1 of 4 Work order # 18050789

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

Client: ERM Address: 2 CityPlace Drive City / State / Zip St. Louis, MO 63141 Contact: Matt Halley E-Mail: 	Samples on: <input checked="" type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE <u>4.67°C</u> Preserved in: <input checked="" type="checkbox"/> LAB <input type="checkbox"/> FIELD FOR LAB USE ONLY Lab Notes: <u>HS present: GW-05 (1), GW-14 (2), GW-15 (1), GW-19D (2), GW-19S (2)</u> Client Comments <u>GW-19D (2), GW-22D (2), TB1 (2), TB2 (2), GW-13D (2), GW-102D (1), END 5/10/18</u>
Are these samples known to be involved in litigation? If yes, a surcharge will apply <input type="checkbox"/> Yes <input checked="" 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		Sample Collector's Name		MATRIX	INDICATE ANALYSIS REQUESTED										
Ameren Taylorville 2nd Qtr 2018		G. Moore			Trip Blank	PAHs		VOCS							
Results Requested		Billing Instructions		# and Type of Containers	UNP	HCl	Aqueous	Groundwater							
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge)															
<input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)															
Lab Use Only		Sample Identification		Date/Time Sampled											
18050789- 001		GW-01		5/10/18, 1010	1	2		X			X	X			
002		GW-02		5/9/18, 1740	1	2		X			X	X			
003		GW-03		5/9/18, 1825	1	2		X			X	X			
004		GW-04R		5/8/18, 1710	1	2		X			X	X			
005		GW-05		5/9/18, 0945	1	2		X			X	X			
006		GW-07		5/8/18, 1845	1	2		X			X	X			
007		GW-14		5/7/18, 1830	1	2		X			X	X			
008		GW-15		5/8/18, 1650	1	2		X			X	X			
009		GW-16S		5/7/18, 1635	1	2		X			X	X			
010		GW-16D		5/7/18, 1615	1	2		X			X	X			
Relinquished By			Date/Time			Received By			Date/Time						
<u>G. Moore</u> (ERM)			5/10/18, 1410			<u>Matt Halley</u>			5/10/18, 1410						
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: 43384



CHAIN OF CUSTODY

pg. 2 of 4 Work order # 1405674A

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

Client: ERM Address: 2 CityPlace Drive City / State / Zip St. Louis, MO 63141 Contact: Matt Halley Phone: (314) 952-2760 E-Mail: _____		Samples on: <input checked="" type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input checked="" type="checkbox"/> NO ICE <u>°C</u> Preserved in: <input checked="" type="checkbox"/> LAB <input checked="" type="checkbox"/> FIELD FOR LAB USE ONLY Lab Notes: Client Comments																											
Are these samples known to be involved in litigation? If yes, a surcharge will apply <input type="checkbox"/> Yes <input checked="" 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		Sample Collector's Name		MATRIX		INDICATE ANALYSIS REQUESTED																							
Ameren Taylorville 2nd Qtr 2018		G. Moore		Aqueous	Groundwater	Trip Blank	PAHs	VOCs																					
Results Requested		Billing Instructions		# and Type of Containers																									
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)				UNP	HCl	1	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
Lab Use Only	Sample Identification		Date/Time Sampled		Aqueous	Groundwater	Trip Blank	PAHs	VOCs																				
Q1	GW-17		5/7/18, 1700		1	2	X	X	X																				
Q2	GW-18S		5/8/18, 1200		1	2	X	X	X																				
Q3	GW-18D		5/8/18, 1140		1	2	X	X	X																				
Q4	GW-19S		5/8/18, 1005		1	2	X	X	X																				
Q5	GW-19D		5/8/18, 0945		1	2	X	X	X																				
Q6	GW-20		5/10/18, 1040		1	2	X	X	X																				
Q7	GW-21		5/10/18, 0845		1	2	X	X	X																				
Q8	GW-22S		5/8/18, 1425		1	2	X	X	X																				
Q9	GW-22D		5/8/18, 1410		1	2	X	X	X																				
GW-18		5/10/18, 1410		1	2	X	X	X																					
Relinquished By			Date/Time		Received By			Date/Time																					
(ERM)			5/10/18, 1410		E. L. Halley			5/10/18, 1410																					

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: 43384



CHAIN OF CUSTODY

pg. 3 of 4 Work order # 18050780

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

Client: ERM Address: 2 CityPlace Drive City / State / Zip St. Louis, MO 63141 Contact: Matt Halley E-Mail: _____	Samples on: <input checked="" type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE ${}^{\circ}\text{C}$ Preserved in: <input checked="" type="checkbox"/> LAB <input type="checkbox"/> FIELD FOR LAB USE ONLY Lab Notes: _____
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Are these samples known to be involved in litigation? If yes, a surcharge will apply Yes No

Are these samples known to be hazardous? Yes No

Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section. Yes No

Project Name/Number		Sample Collector's Name		MATRIX		INDICATE ANALYSIS REQUESTED													
Ameren Taylorville 2nd Qtr 2018		G. Moore		UNP	HCl	Aqueous	Groundwater	Trip Blank	PAHS	VOCs									
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)																			
Lab Use Only	Sample Identification	Date/Time Sampled																	
020	Dup-4 GW-1 DUP	5/10/18; 1010		1	2		X			X X									
021	Field Blank-4 GW-15 DUP	5/8/18, 1650		1	2		X			X X									
022	Trip Blank 1				2			X			X								
023	Trip Blank 2				2			X			X								
	Trip Blank 3				2			X			X								
	Trip Blank 4				2			X			X								
024	Dup-2 GW-103D DUP	5/9/18 1555		1	2		X			X X									
025	GW-09S	5/9/18, 1700		1	2		X			X X									
026	GW-09D	5/9/18, 1650		1	2		X			X X									
	GW-09A				2		X			X X									
Relinquished By		Date/Time		Received By		Date/Time													
L. Moore (ERM)		5/10/18, 1410		Elizabeth A. Hardy		5/10/18 1410													

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: 43384

MOU:
EHR

CHAIN OF CUSTODY

pg. 4 of 4 Work order # 1405076A

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 type="checkbox"/> NO ICE _____ °C
Address:	2 CityPlace Drive	Preserved in: <input checked="" type="checkbox"/> LAB <input type="checkbox"/> FIELD FOR LAB USE ONLY
City / State / Zip	St. Louis, MO 63141	Lab Notes: MS/MSD per collection time. Sat 5/10/18
Contact:	Matt Halley	
E-Mail:		

Are these samples known to be involved in litigation? If yes, a surcharge will apply Yes No

Are these samples known to be hazardous? Yes No

Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section. Yes No

Project Name/Number		Sample Collector's Name		MATRIX	INDICATE ANALYSIS REQUESTED										
Ameren Taylorville 2nd Qtr 2018		G. Moore													
Results Requested		Billing Instructions		# and Type of Containers	UNP	HCl	Trip Blank	Groundwater	Aqueous	PAHs	VOCS				
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> 1-2 Day (100% Surcharge)														
<input type="checkbox"/> Other	<input type="checkbox"/> 3 Day (50% Surcharge)														
Lab Use Only		Sample Identification	Date/Time Sampled												
18050789-007		GW-12	5/10/18, 0910	1 2			X			X X					
008		GW-13S	5/9/18, 1130	1 2			X			X X					
009		GW-13D	5/9/18, 1120	1 2			X			X X					
010		GW-101S	5/9/18, 1435	1 2			X			X X					
031		GW-102S	5/9/18, 1400	1 2			X			X X					
032		GW-102D	5/9/18, 1335	1 2			X			X X					
033		GW-103S	5/9/18, 1610	1 2			X			X X					
034		GW-103D	5/9/18, 1555	1 2			X			X X					
032		MS/MSD 1	5/9/18, 1335	2 4			X			X X					
		MS/MSD 2		2 4			X			X X					

Relinquished By	Date/Time	Received By	Date/Time
R. Moore (ERM)	5/10/18, 1410	Elijah R. Halley	5/10/18 1440

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: 43384

