December 18, 2017

Johnny Burris
Illinois Center for Autism
548 South Ruby Lane
Fairview Heights, IL 62208
TEL: (618) 514-1337
FAX:

RE: Drinking Water Testing

WorkOrder: 17120703

Dear Johnny Burris:

TEKLAB, INC received 68 samples on 12/12/2017 11:22:00 AM 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,

Marvin L. Darling II

Marvin L. Darling
Project Manager
(618)344-1004 ex 41
mdarling@teklabinc.com

Report Contents

Client: Illinois Center for Autism
Work Order: 17120703
Client Project: Drinking Water Testing
Report Date: 18-Dec-17

This reporting package includes the following:

Client: Illinois Center for Autism **Work Order:** 17120703

Client Project: Drinking Water Testing **Report Date:** 18-Dec-17

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.
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 dilutions factors.
DNI	Did not ignite
DUP	Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
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, spiked with verified known amounts of analytes, is 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. The acceptable recovery range is in the QC Package (provided upon request).
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	Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
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. The acceptable recovery range is listed in the QC Package (provided upon request).
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
E - Value above quantitation range	H - Holding times exceeded
I - Associated internal standard was outside method criteria	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	T - TIC(Tentatively identified compound)
X - Value exceeds Maximum Contaminant Level	

Client: Illinois Center for Autism
Client Project: Drinking Water Testing

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Cooler Receipt Temp: NA °C

Samples were collected in 250mL containers.

Date/time of last use: 12/11/17 17:30

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	KKlostermann@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

Client: Illinois Center for Autism
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State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2018	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2018	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		3/14/2018	Collinsville
Illinois	IDPH	17584		5/31/2019	Collinsville
Indiana	ISDH	C-IL-06		1/31/2018	Collinsville
Kentucky	KDEP	98006		12/31/2017	Collinsville
Kentucky	UST	0073		1/31/2018	Collinsville
Louisiana	LDPH	LA170027		12/31/2017	Collinsville
Missouri	MDNR	930		1/31/2018	Collinsville
Missouri	MDNR	00930		5/31/2017	Collinsville
Oklahoma	ODEQ	9978		8/31/2018	Collinsville
Tennessee	TDEC	04905		1/31/2018	Collinsville

Client: Illinois Center for Autism
Work Order: 17120703
Client Project: Drinking Water Testing
Report Date: 18-Dec-17
Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
17120703-001A	CR#1	NELAP		1.0	**1.1**	µg/L	1	12/13/2017 19:36	12/12/2017 6:00
17120703-002A	CR#1 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 19:41	12/12/2017 6:00
17120703-003A	CR#2 bath	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 20:53	12/12/2017 6:02
17120703-004A	CR#2 bath 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 19:47	12/12/2017 6:02
17120703-005A	CR#3	NELAP		1.0	**2.0**	µg/L	1	12/13/2017 19:52	12/12/2017 6:03
17120703-006A	CR#3 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 20:31	12/12/2017 6:03
17120703-007A	CR#3 bath	NELAP		1.0	**2.5**	µg/L	1	12/13/2017 20:37	12/12/2017 6:04
17120703-008A	CR#3 bath 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 20:42	12/12/2017 6:04
17120703-009A	CR-4	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 20:48	12/12/2017 6:06
17120703-010A	CR-4 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 21:43	12/12/2017 6:06
17120703-011A	CR-4 b	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 21:49	12/12/2017 6:07
17120703-012A	CR-4 b 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 21:54	12/12/2017 6:07
17120703-013A	CR-5 b	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 20:59	12/12/2017 6:08
17120703-014A	CR-5 b 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 22:00	12/12/2017 6:08
17120703-015A	CR-6 b	NELAP		1.0	**1.3**	µg/L	1	12/13/2017 22:05	12/12/2017 6:10
17120703-016A	CR-6 b 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 22:11	12/12/2017 6:10
17120703-017A	Nurse	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 22:16	12/12/2017 6:12
17120703-018A	Nurse 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 22:22	12/12/2017 6:12
17120703-019A	WR-1	NELAP		1.0	**2.4**	µg/L	1	12/13/2017 22:27	12/12/2017 6:13
17120703-020A	WR-1 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 22:33	12/12/2017 6:13
17120703-021A	MR-1	NELAP		1.0	**2.5**	µg/L	1	12/14/2017 18:08	12/12/2017 6:15
17120703-022A	MR-1 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 22:55	12/12/2017 6:15
17120703-023A	WF-1	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 23:01	12/12/2017 6:17
17120703-024A	WF-1 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/13/2017 23:06	12/12/2017 6:17
17120703-025A	Jan 1	NELAP		1.0	**1.7**	µg/L	1	12/13/2017 23:12	12/12/2017 6:18
17120703-026A	Jan 1 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 0:07	12/12/2017 6:18
17120703-027A	Sensory	NELAP		1.0	**5.4**	µg/L	1	12/14/2017 0:13	12/12/2017 6:20
17120703-028A	Sensory 2nd	NELAP		1.0	**1.4**	µg/L	1	12/14/2017 0:18	12/12/2017 6:20
17120703-029A	Conf.	NELAP		1.0	**7.2**	µg/L	1	12/14/2017 0:24	12/12/2017 6:22
17120703-030A	Conf. 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 0:29	12/12/2017 6:22
17120703-031A	MR-2	NELAP		1.0	**11.5**	µg/L	1	12/14/2017 0:35	12/12/2017 6:24
17120703-032A	MR-2 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 0:41	12/12/2017 6:24
17120703-033A	WR-2	NELAP		1.0	**1.4**	µg/L	1	12/14/2017 0:46	12/12/2017 6:25
17120703-034A	WR-2 2nd	NELAP		1.0	**1.0**	µg/L	1	12/14/2017 0:52	12/12/2017 6:25
17120703-035A	WF-2	NELAP		1.0	**2.2**	µg/L	1	12/14/2017 0:57	12/12/2017 6:26
17120703-036A	WF-2 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 1:20	12/12/2017 6:26
17120703-037A	Maint.	NELAP		1.0	**2.8**	µg/L	1	12/14/2017 19:04	12/12/2017 6:28
17120703-038A	Maint. 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 5:52	12/12/2017 6:28
17120703-039A	Break	NELAP		1.0	**5.0**	µg/L	1	12/14/2017 19:09	12/12/2017 6:32
17120703-040A	Break 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 1:25	12/12/2017 6:32
17120703-041A	WF-3	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 1:31	12/12/2017 6:34
17120703-042A	WF-3 2nd	NELAP		1.0	**1.1**	µg/L	1	12/14/2017 1:36	12/12/2017 6:34
17120703-043A	MR-3	NELAP		1.0	**5.2**	µg/L	1	12/14/2017 1:42	12/12/2017 6:36
17120703-044A	MR-3 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 1:47	12/12/2017 6:36
17120703-045A	Media	NELAP		1.0	**8.7**	µg/L	1	12/14/2017 1:53	12/12/2017 6:38
17120703-046A	Media 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 1:58	12/12/2017 6:38
17120703-047A	Med B	NELAP		1.0	**7.3**	µg/L	1	12/14/2017 2:04	12/12/2017 6:40
17120703-048A	Med B 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 2:26	12/12/2017 6:40

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Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
17120703-049A	Prog.	NELAP		1.0	**4.3**	µg/L	1	12/14/2017 2:32	12/12/2017 6:42
17120703-050A	Prog. 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 2:37	12/12/2017 6:42
17120703-051A	Prog. B	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 2:43	12/12/2017 6:44
17120703-052A	Prog b 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 3:39	12/12/2017 6:44
17120703-053A	Kitchen	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 3:44	12/12/2017 6:46
17120703-054A	Kitchen 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 3:50	12/12/2017 6:46
17120703-055A	Rec.	NELAP		1.0	**2.6**	µg/L	1	12/14/2017 19:15	12/12/2017 6:48
17120703-056A	Rec. 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 3:55	12/12/2017 6:48
17120703-057A	Rec. b	NELAP		1.0	**2.8**	µg/L	1	12/14/2017 4:01	12/12/2017 6:50
17120703-058A	Rec b 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 4:06	12/12/2017 6:50
17120703-059A	Petals	NELAP		1.0	**2.3**	µg/L	1	12/14/2017 4:12	12/12/2017 6:51
17120703-060A	Petals 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 4:51	12/12/2017 6:51
17120703-061A	Pet. b	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 4:57	12/12/2017 6:52
17120703-062A	Pet. b 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 5:02	12/12/2017 6:52
17120703-063A	WR-3	NELAP		1.0	**7.1**	µg/L	1	12/14/2017 5:08	12/12/2017 6:54
17120703-064A	WR-3 2nd	NELAP		1.0	**2.9**	µg/L	1	12/14/2017 20:10	12/12/2017 6:54
17120703-065A	Kit 2	NELAP		1.0	**1.4**	µg/L	1	12/14/2017 5:13	12/12/2017 6:56
17120703-066A	Kit 2 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 5:19	12/12/2017 6:56
17120703-067A	Jan 2	NELAP		1.0	**2.7**	µg/L	1	12/14/2017 5:24	12/12/2017 6:40
17120703-068A	Jan 2 2nd	NELAP		1.0	**< 1.0**	µg/L	1	12/14/2017 5:30	12/12/2017 6:40

Receiving Check List

Teklab, Inc. Environmental Laboratory

http://www.teklabinc.com/

Client: Illinois Center for Autism

Client Project: Drinking Water Testing

Work Order: 17120703

Report Date: 18-Dec-17

Carrier: Johnny Burris

Received By: KF

Completed by: Amber M. Dilallo
On: 12-Dec-17

Reviewed by: Elizabeth A. Hurley
On: 12-Dec-17

Pages to follow: Chain of custody 7 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	NA
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.

Jan 2 and Jan 2 2nd were received but not listed on the chain of custody. Per Johnny Burris, analyze and report as collected on 12/12/17 at 6:40am. AMD 12/12/17

Samples were checked for turbidity then preserved with nitric acid upon arrival at the laboratory.