

23 July 2024

Scott Bajer
Inner Basin Environmental, LLC
2355 N Steves Blvd., Suite C
Flagstaff, AZ 86004

RE: Glen Canyon NRA Wahweap

Laboratory Work Order No.: 24G2203

Legend Technical Services of Arizona, Inc. is pleased to provide the enclosed analytical results for the aforementioned project. These results relate only to the items tested. This cover letter and the accompanying pages represent the full report for these analyses and should only be reproduced in full. Samples for this project were received by the laboratory on 07/16/24 10:51.

The samples were processed in accordance with the Chain of Custody document and the results presented relate only to the samples tested. The Chain of Custody is considered part of this report.

All samples will be retained by LEGEND for 30 days from the date of this report and then discarded unless other arrangements are made. Due to hold-time and method sample volume requirements, microbiological samples are not retained unless other arrangements are made.

This entire report was reviewed and approved for release by the undersigned. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

LEGEND TECHNICAL SERVICES OF ARIZONA, INC.



Courtney Keen
Client Services Representative

This laboratory report is confidential and is intended for the sole use of LEGEND and it's client.

Inner Basin Environmental, LLC
2355 N Steves Blvd., Suite C
Flagstaff, AZ 86004

Project: Glen Canyon NRA Wahweap
Project Number: 244209-210
Project Manager: Scott Bajer

Reported:
07/23/24 09:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Type	Date Sampled	Date Received
03712 (Wahweap - House 118)	24G2203-01	Drinking Water	Grab	07/11/24 08:21	07/16/24 10:51
03712 (Wahweap - District Manager Office)	24G2203-02	Drinking Water	Grab	07/11/24 08:02	07/16/24 10:51

Sample Condition Upon Receipt:

Temperature: 0.10 C

All samples were received in acceptable condition unless noted otherwise in the case narrative.

Case Narrative:

Holding Times: All holding times were met unless otherwise qualified.

QA/QC Criteria: All analyses met method requirements unless otherwise qualified.

Certifications: AZ(PHX)0004, AZ(TUC)0004, AIHA#102982, CDC ELITE Member.

Accreditation is applicable only to the test methods specified on each scope of accreditation held by LEGEND.

Comments: There were no problems encountered during the processing of the samples, unless otherwise noted.
All samples were analyzed on a "wet" basis unless designated as "dry weight".

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Project: Glen Canyon NRA Wahweap
Project Number: 244209-210
Project Manager: Scott Bajer

Reported:
07/23/24 09:58

03712 (Wahweap - House 118) (24G2203-01) Drinking Water (Grab) Sampled: 07/11/24 08:21 Received: 07/16/24 10:51

Analyte	Result	PQL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
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Legend Technical Services of Arizona, Inc.

Volatile Organic Compounds

Bromodichloromethane	0.0151	0.0005	mg/L	1	B4G0592	07/17/24 13:00	07/17/24 21:09	MAC	EPA 524.2	
Bromoform	0.0021	0.0005	mg/L	1	B4G0592	07/17/24 13:00	07/17/24 21:09	MAC	EPA 524.2	
Chloroform	0.0175	0.0005	mg/L	1	B4G0592	07/17/24 13:00	07/17/24 21:09	MAC	EPA 524.2	
Dibromochloromethane	0.0113	0.0005	mg/L	1	B4G0592	07/17/24 13:00	07/17/24 21:09	MAC	EPA 524.2	
Total THMs	0.0461	0.0005	mg/L	1	B4G0592	07/17/24 13:00	07/17/24 21:09	MAC	EPA 524.2	
Surrogate: 1,2-Dichlorobenzene-d4		122 %		70-130	B4G0592	07/17/24	07/17/24		EPA 524.2	
Surrogate: 1,2-Dichloroethane-d4		101 %		70-130	B4G0592	07/17/24	07/17/24		EPA 524.2	
Surrogate: 4-Bromofluorobenzene		79 %		70-130	B4G0592	07/17/24	07/17/24		EPA 524.2	
Surrogate: Pentafluorobenzene		97 %		70-130	B4G0592	07/17/24	07/17/24		EPA 524.2	

Haloacetic Acids

Dibromoacetic acid	<0.0010	0.0010	mg/L	1	B4G0518	07/17/24 11:00	07/17/24 17:15	SF	EPA 557	
Dichloroacetic acid	<0.0010	0.0010	mg/L	1	B4G0518	07/17/24 11:00	07/17/24 17:15	SF	EPA 557	
HAA-5	0.0028	0.0020	mg/L	1	B4G0518	07/17/24 11:00	07/17/24 17:15	SF	EPA 557	
Monobromoacetic acid	<0.0010	0.0010	mg/L	1	B4G0518	07/17/24 11:00	07/17/24 17:15	SF	EPA 557	
Monochloroacetic acid	<0.0020	0.0020	mg/L	1	B4G0518	07/17/24 11:00	07/17/24 17:15	SF	EPA 557	
Trichloroacetic acid	0.0028	0.0010	mg/L	1	B4G0518	07/17/24 11:00	07/17/24 17:15	SF	EPA 557	

03712 (Wahweap - District Manager Office) (24G2203-02) Drinking Water (Grab) Sampled: 07/11/24 08:02 Received: 07/16/24 10:51

Analyte	Result	PQL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
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Legend Technical Services of Arizona, Inc.

Volatile Organic Compounds

Bromodichloromethane	0.0144	0.0005	mg/L	1	B4G0592	07/17/24 13:00	07/17/24 21:37	MAC	EPA 524.2	
Bromoform	0.0022	0.0005	mg/L	1	B4G0592	07/17/24 13:00	07/17/24 21:37	MAC	EPA 524.2	
Chloroform	0.0161	0.0005	mg/L	1	B4G0592	07/17/24 13:00	07/17/24 21:37	MAC	EPA 524.2	
Dibromochloromethane	0.0108	0.0005	mg/L	1	B4G0592	07/17/24 13:00	07/17/24 21:37	MAC	EPA 524.2	
Total THMs	0.0434	0.0005	mg/L	1	B4G0592	07/17/24 13:00	07/17/24 21:37	MAC	EPA 524.2	
Surrogate: 1,2-Dichlorobenzene-d4		119 %		70-130	B4G0592	07/17/24	07/17/24		EPA 524.2	
Surrogate: 1,2-Dichloroethane-d4		103 %		70-130	B4G0592	07/17/24	07/17/24		EPA 524.2	
Surrogate: 4-Bromofluorobenzene		81 %		70-130	B4G0592	07/17/24	07/17/24		EPA 524.2	
Surrogate: Pentafluorobenzene		95 %		70-130	B4G0592	07/17/24	07/17/24		EPA 524.2	

Haloacetic Acids

Dibromoacetic acid	0.0013	0.0010	mg/L	1	B4G0518	07/17/24 11:00	07/17/24 18:04	SF	EPA 557	
Dichloroacetic acid	0.0027	0.0010	mg/L	1	B4G0518	07/17/24 11:00	07/17/24 18:04	SF	EPA 557	
HAA-5	0.0067	0.0020	mg/L	1	B4G0518	07/17/24 11:00	07/17/24 18:04	SF	EPA 557	
Monobromoacetic acid	<0.0010	0.0010	mg/L	1	B4G0518	07/17/24 11:00	07/17/24 18:04	SF	EPA 557	
Monochloroacetic acid	<0.0020	0.0020	mg/L	1	B4G0518	07/17/24 11:00	07/17/24 18:04	SF	EPA 557	

Legend Technical Services of Arizona, Inc.

Laboratory Work Order No.: 24G2203

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Inner Basin Environmental, LLC
2355 N Steves Blvd., Suite C
Flagstaff, AZ 86004

Project: Glen Canyon NRA Wahweap
Project Number: 244209-210
Project Manager: Scott Bajer

Reported:
07/23/24 09:58

03712 (Wahweap - District Manager Office) (24G2203-02) Drinking Water (Grab) Sampled: 07/11/24 08:02 Received:
07/16/24 10:51

Analyte	Result	PQL	Units	Dilution	Batch	Prepared	Analyzed	Analyst	Method	Notes
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Legend Technical Services of Arizona, Inc.

Haloacetic Acids

Trichloroacetic acid	0.0026	0.0010	mg/L	1	B4G0518	07/17/24 11:00	07/17/24 18:04	SF	EPA 557	
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Volatile Organic Compounds - Quality Control
Legend Technical Services of Arizona, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4G0592 - Default Prep VOC

Blank (B4G0592-BLK1)

Prepared & Analyzed: 07/17/24

Bromodichloromethane	<0.0005	0.0005	mg/L							
Bromoform	<0.0005	0.0005	mg/L							
Chloroform	<0.0005	0.0005	mg/L							
Dibromochloromethane	<0.0005	0.0005	mg/L							
Total THMs	<0.0005	0.0005	mg/L							
Surrogate: 1,2-Dichlorobenzene-d4	0.0046		mg/L	0.00400		116	70-130	9.00		
Surrogate: 1,2-Dichloroethane-d4	0.0041		mg/L	0.00400		103	70-130	10.00		
Surrogate: 4-Bromofluorobenzene	0.0032		mg/L	0.00400		80	70-130	11.00		
Surrogate: Pentafluorobenzene	0.0039		mg/L	0.00400		97	70-130	12.00		

LCS (B4G0592-BS1)

Prepared & Analyzed: 07/17/24

Bromodichloromethane	0.0022	0.0005	mg/L	0.00200		109	70-130			
Bromoform	0.0022	0.0005	mg/L	0.00200		111	70-130			
Chloroform	0.0022	0.0005	mg/L	0.00200		109	70-130			
Dibromochloromethane	0.0022	0.0005	mg/L	0.00200		112	70-130			
Total THMs	0.0088	0.0005	mg/L	0.00800		110	0-200			
Surrogate: 1,2-Dichlorobenzene-d4	0.0041		mg/L	0.00400		102	70-130	20.00		
Surrogate: 1,2-Dichloroethane-d4	0.0040		mg/L	0.00400		100	70-130	21.00		
Surrogate: 4-Bromofluorobenzene	0.0038		mg/L	0.00400		96	70-130	22.00		
Surrogate: Pentafluorobenzene	0.0038		mg/L	0.00400		95	70-130	23.00		

LCS Dup (B4G0592-BSD1)

Prepared & Analyzed: 07/17/24

Bromodichloromethane	0.0022	0.0005	mg/L	0.00200		110	70-130	0.9	20	
Bromoform	0.0023	0.0005	mg/L	0.00200		114	70-130	3	20	
Chloroform	0.0022	0.0005	mg/L	0.00200		112	70-130	3	20	
Dibromochloromethane	0.0023	0.0005	mg/L	0.00200		116	70-130	4	20	
Total THMs	0.0090	0.0005	mg/L	0.00800		113	0-200	2	200	
Surrogate: 1,2-Dichlorobenzene-d4	0.0040		mg/L	0.00400		100	70-130	31.00		
Surrogate: 1,2-Dichloroethane-d4	0.0042		mg/L	0.00400		104	70-130	32.00		
Surrogate: 4-Bromofluorobenzene	0.0039		mg/L	0.00400		97	70-130	33.00		
Surrogate: Pentafluorobenzene	0.0037		mg/L	0.00400		92	70-130	34.00		

Haloacetic Acids - Quality Control
Legend Technical Services of Arizona, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch B4G0518 - Default Prep GC-Semi									
Blank (B4G0518-BLK1) <i>Prepared: 07/16/24 Analyzed: 07/17/24</i>									
Dibromoacetic acid	<0.0010	0.0010	mg/L						
Dichloroacetic acid	<0.0010	0.0010	mg/L						
HAA-5	<0.0020	0.0020	mg/L						
Monobromoacetic acid	<0.0010	0.0010	mg/L						
Monochloroacetic acid	<0.0020	0.0020	mg/L						
Trichloroacetic acid	<0.0010	0.0010	mg/L						
LCS (B4G0518-BS1) <i>Prepared: 07/16/24 Analyzed: 07/17/24</i>									
Dibromoacetic acid	0.0019	0.0010	mg/L	0.00200		94	70-130		
Dichloroacetic acid	0.0020	0.0010	mg/L	0.00200		100	70-130		
HAA-5	0.0102	0.0020	mg/L	0.0100		102	0-200		
Monobromoacetic acid	0.0021	0.0010	mg/L	0.00200		106	70-130		
Monochloroacetic acid	0.0021	0.0020	mg/L	0.00200		105	70-130		
Trichloroacetic acid	0.0021	0.0010	mg/L	0.00200		104	70-130		
Matrix Spike (B4G0518-MS1) Source: 24G2150-01 <i>Prepared: 07/16/24 Analyzed: 07/17/24</i>									
Dibromoacetic acid	0.0045	0.0010	mg/L	0.00200	0.0026	95	70-130		
Dichloroacetic acid	0.0026	0.0010	mg/L	0.00200	0.0006	99	70-130		
HAA-5	0.0144	0.0020	mg/L	0.0100	0.0026	117	0-200		
Monobromoacetic acid	0.0026	0.0010	mg/L	0.00200	0.0004	109	70-130		
Monochloroacetic acid	0.0023	0.0020	mg/L	0.00200	<0.0020	116	70-130		
Trichloroacetic acid	0.0023	0.0010	mg/L	0.00200	0.0003	101	70-130		
Matrix Spike Dup (B4G0518-MSD1) Source: 24G2150-01 <i>Prepared: 07/16/24 Analyzed: 07/17/24</i>									
Dibromoacetic acid	0.0045	0.0010	mg/L	0.00200	0.0026	93	70-130	1	30
Dichloroacetic acid	0.0026	0.0010	mg/L	0.00200	0.0006	99	70-130	0.2	30
HAA-5	0.0144	0.0020	mg/L	0.0100	0.0026	117	0-200	0.2	200
Monobromoacetic acid	0.0026	0.0010	mg/L	0.00200	0.0004	108	70-130	0.9	30
Monochloroacetic acid	0.0023	0.0020	mg/L	0.00200	<0.0020	116	70-130	0.6	30
Trichloroacetic acid	0.0023	0.0010	mg/L	0.00200	0.0003	101	70-130	0.2	30

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Project: Glen Canyon NRA Wahweap
Project Number: 244209-210
Project Manager: Scott Bajer

Reported:
07/23/24 09:58

Notes and Definitions

BLK	Method Blank
LCS/Dup	Laboratory Control Sample/Laboratory Fortified Blank/Duplicate
MS/Dup	Matrix Spike/Duplicate
Dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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