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ANALYTICAL REPORT

PREPARED FOR

Attn: Lee Camp
Georgia Aquarium Inc
225 Baker Street
Atlanta, Georgia 30313

Generated 3/5/2025 6:09:59 PM

JOB DESCRIPTION

Nano Project - ACF

JOB NUMBER

705-21149-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

Eurofins Atlanta

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

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Table of Contents

Definitions/Glossary

Client: Georgia Aquarium Inc
Project/Site: Nano Project - ACF

Job ID: 705-21149-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
705-21149-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The samples were received on 2/19/2025 3:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.6°C.

GC/MS VOA

Method 8260D_LL: The following volatile sample had air bubble(s) larger than recommended by EPA (greater than 6 mm in diameter): Regenerated Swollen Nano Media (RSNM) (705-21149-2).

Method 8260D_LL: The laboratory control sample (LCS) for analytical batch 705-39024 recovered outside control limits for the following analytes: Methyl isobutyl ketone (MIBK). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D_LL: The method blank for analytical batch 705-39024 contained Tetrachloroethene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: Matrix spike and matrix spike duplicate (MS/MSD) flagging due to analyte being 4x the spike amount. Recoveries are within control limits and therefore no qualification is necessary Regenerated Nano Media (RNM) (705-21149-1), Regenerated Swollen Nano Media (RSNM) (705-21149-2), (705-21149-A-2-C MS) and (705-21149-A-2-D MSD)

Method 6010D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 705-38470 and analytical batch 705-39319 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6020B - Total Recoverable: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 705-37652 and analytical batch 705-38987 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 6020B - Total Recoverable: The following samples were diluted due to the nature of the sample matrix: Regenerated Nano Media (RNM) (705-21149-1) and Regenerated Swollen Nano Media (RSNM) (705-21149-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Georgia Aquarium Inc
Project/Site: Nano Project - ACF

Job ID: 705-21149-1

Client Sample ID: Regenerated Nano Media (RNM) — Lab Sample ID: 705-21149-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	240		10	4.0	ug/L	1		8260D	Total/NA
Boron	3500		50	26	ug/L	1		6010D	Total/NA
Lithium	530		20	3.7	ug/L	1		6010D	Total/NA
Phosphorus	220		100	26	ug/L	1		6010D	Total/NA
Strontium	5900		50	4.1	ug/L	1		6010D	Total/NA
Beryllium	310	J F1	2000	290	ug/L	2000		6020B	Total Recoverable
Cadmium	0.30	J	0.70	0.24	ug/L	1		6020B	Total Recoverable
Calcium	370000		200000	88000	ug/L	2000		6020B	Total Recoverable
Magnesium	1100000		200000	33000	ug/L	2000		6020B	Total Recoverable
Molybdenum	2.3	J	5.0	0.69	ug/L	1		6020B	Total Recoverable
Potassium	340000		200000	87000	ug/L	2000		6020B	Total Recoverable
Silver	340	J	2000	330	ug/L	2000		6020B	Total Recoverable
Sodium	9500000		1000000	490000	ug/L	2000		6020B	Total Recoverable

Client Sample ID: Regenerated Swollen Nano Media (RSNM) — Lab Sample ID: 705-21149-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	190		10	4.0	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.19	J B	1.0	0.19	ug/L	1		8260D	Total/NA
Boron	3300		50	26	ug/L	1		6010D	Total/NA
Lithium	570	F1	20	3.7	ug/L	1		6010D	Total/NA
Phosphorus	240		100	26	ug/L	1		6010D	Total/NA
Strontium	5600		50	4.1	ug/L	1		6010D	Total/NA
Calcium	370000		200000	88000	ug/L	2000		6020B	Total Recoverable
Magnesium	1200000		200000	33000	ug/L	2000		6020B	Total Recoverable
Molybdenum	2.6	J	5.0	0.69	ug/L	1		6020B	Total Recoverable
Potassium	370000		200000	87000	ug/L	2000		6020B	Total Recoverable
Sodium	10000000		1000000	490000	ug/L	2000		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client: Georgia Aquarium Inc
Project/Site: Nano Project - ACF

Job ID: 705-21149-1

Client Sample ID: Regenerated Nano Media (RNM)

Lab Sample ID: 705-21149-1

Date Collected: 02/19/25 14:15

Matrix: Water

Date Received: 02/19/25 15:25

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.24	U	1.0	0.24	ug/L			02/28/25 17:21	1
1,1,1-Trichloroethane	0.23	U	1.0	0.23	ug/L			02/28/25 17:21	1
1,1,2,2-Tetrachloroethane	0.23	U	1.0	0.23	ug/L			02/28/25 17:21	1
1,1,2-Trichloroethane	0.21	U	1.0	0.21	ug/L			02/28/25 17:21	1
1,1-Dichloroethane	0.21	U	1.0	0.21	ug/L			02/28/25 17:21	1
1,1-Dichloroethene	0.28	U	1.0	0.28	ug/L			02/28/25 17:21	1
1,1-Dichloropropene	0.27	U	1.0	0.27	ug/L			02/28/25 17:21	1
1,2,3-Trichlorobenzene	0.55	U	1.0	0.55	ug/L			02/28/25 17:21	1
1,2,3-Trichloropropane	0.37	U	1.0	0.37	ug/L			02/28/25 17:21	1
1,2,4-Trichlorobenzene	0.70	U	1.0	0.70	ug/L			02/28/25 17:21	1
1,2,4-Trimethylbenzene	0.24	U	1.0	0.24	ug/L			02/28/25 17:21	1
1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L			02/28/25 17:21	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			02/28/25 17:21	1
1,2-Dichlorobenzene	0.32	U	1.0	0.32	ug/L			02/28/25 17:21	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			02/28/25 17:21	1
1,2-Dichloroethene, Total	0.23	U	2.0	0.23	ug/L			02/28/25 17:21	1
1,2-Dichloropropane	0.21	U	1.0	0.21	ug/L			02/28/25 17:21	1
1,3,5-Trimethylbenzene	0.28	U	1.0	0.28	ug/L			02/28/25 17:21	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			02/28/25 17:21	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			02/28/25 17:21	1
1,4-Dichlorobenzene	0.32	U	1.0	0.32	ug/L			02/28/25 17:21	1
2,2-Dichloropropane	0.29	U	1.0	0.29	ug/L			02/28/25 17:21	1
2-Butanone (MEK)	2.8	U	10	2.8	ug/L			02/28/25 17:21	1
2-Chlorotoluene	0.23	U	1.0	0.23	ug/L			02/28/25 17:21	1
2-Hexanone	3.5	U	10	3.5	ug/L			02/28/25 17:21	1
4-Chlorotoluene	0.21	U	1.0	0.21	ug/L			02/28/25 17:21	1
p-Isopropyltoluene	0.43	U	1.0	0.43	ug/L			02/28/25 17:21	1
Methyl isobutyl ketone (MIBK)	3.2	U *+	10	3.2	ug/L			02/28/25 17:21	1
Acetone	**240**		10	4.0	ug/L			02/28/25 17:21	1
Benzene	0.20	U	1.0	0.20	ug/L			02/28/25 17:21	1
Bromobenzene	0.22	U	1.0	0.22	ug/L			02/28/25 17:21	1
Bromochloromethane	0.33	U	1.0	0.33	ug/L			02/28/25 17:21	1
Bromodichloromethane	0.22	U	1.0	0.22	ug/L			02/28/25 17:21	1
Bromoform	0.46	U	1.0	0.46	ug/L			02/28/25 17:21	1
Bromomethane	0.47	U	1.0	0.47	ug/L			02/28/25 17:21	1
Carbon disulfide	0.53	U	2.0	0.53	ug/L			02/28/25 17:21	1
Carbon tetrachloride	0.22	U	1.0	0.22	ug/L			02/28/25 17:21	1
Chlorobenzene	0.20	U	1.0	0.20	ug/L			02/28/25 17:21	1
Chloroethane	0.37	U	1.0	0.37	ug/L			02/28/25 17:21	1
Chloroform	0.22	U	1.0	0.22	ug/L			02/28/25 17:21	1
Chloromethane	0.37	U	1.0	0.37	ug/L			02/28/25 17:21	1
cis-1,2-Dichloroethene	0.23	U	1.0	0.23	ug/L			02/28/25 17:21	1
cis-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			02/28/25 17:21	1
Dibromochloromethane	0.44	U	1.0	0.44	ug/L			02/28/25 17:21	1
Dibromomethane	0.32	U	1.0	0.32	ug/L			02/28/25 17:21	1
Ethylbenzene	0.28	U	1.0	0.28	ug/L			02/28/25 17:21	1
Hexachlorobutadiene	0.85	U	1.0	0.85	ug/L			02/28/25 17:21	1
Isopropylbenzene	0.27	U	1.0	0.27	ug/L			02/28/25 17:21	1
m-Xylene & p-Xylene	0.37	U	2.0	0.37	ug/L			02/28/25 17:21	1

Client Sample ID: Regenerated Nano Media (RNM)

Lab Sample ID: 705-21149-1

Date Collected: 02/19/25 14:15
Matrix: Water
Date Received: 02/19/25 15:25

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.18	U	1.0	0.18	ug/L			02/28/25 17:21	1
Methylene Chloride	2.4	U	5.0	2.4	ug/L			02/28/25 17:21	1
Naphthalene	1.6	U	2.0	1.6	ug/L			02/28/25 17:21	1
n-Butylbenzene	0.69	U	1.0	0.69	ug/L			02/28/25 17:21	1
N-Propylbenzene	0.24	U	1.0	0.24	ug/L			02/28/25 17:21	1
o-Xylene	0.27	U	1.0	0.27	ug/L			02/28/25 17:21	1
sec-Butylbenzene	0.48	U	1.0	0.48	ug/L			02/28/25 17:21	1
Styrene	0.19	U	1.0	0.19	ug/L			02/28/25 17:21	1
tert-Butylbenzene	0.39	U	1.0	0.39	ug/L			02/28/25 17:21	1
Tetrachloroethene	0.19	U	1.0	0.19	ug/L			02/28/25 17:21	1
Toluene	0.20	U	1.0	0.20	ug/L			02/28/25 17:21	1
trans-1,2-Dichloroethene	0.27	U	1.0	0.27	ug/L			02/28/25 17:21	1
trans-1,3-Dichloropropene	0.43	U	2.0	0.43	ug/L			02/28/25 17:21	1
Trichloroethene	0.21	U	1.0	0.21	ug/L			02/28/25 17:21	1
Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L			02/28/25 17:21	1
Vinyl acetate	2.6	U	10	2.6	ug/L			02/28/25 17:21	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			02/28/25 17:21	1
Xylenes, Total	0.27	U	3.0	0.27	ug/L			02/28/25 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 126*		*02/28/25 17:21*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 121*		*02/28/25 17:21*	*1*
Toluene-d8 (Surr)	*105*		*79 - 119*		*02/28/25 17:21*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**3500**		50	26	ug/L		02/26/25 11:04	02/27/25 19:48	1
Lithium	**530**		20	3.7	ug/L		02/26/25 11:04	03/03/25 11:26	1
Phosphorus	**220**		100	26	ug/L		02/26/25 11:04	02/27/25 19:48	1
Strontium	**5900**		50	4.1	ug/L		02/26/25 11:04	02/27/25 19:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	32000	U	100000	32000	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Antimony	2.5	U	5.0	2.5	ug/L		02/24/25 06:10	02/26/25 19:17	1
Arsenic	2600	U	10000	2600	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Barium	820	U	20000	820	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Beryllium	**310**	**J F1**	2000	290	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Cadmium	**0.30**	**J**	0.70	0.24	ug/L		02/24/25 06:10	02/26/25 19:17	1
Calcium	**370000**		200000	88000	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Chromium	7400	U	10000	7400	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Cobalt	820	U	10000	820	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Copper	1300	U	4000	1300	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Iron	35000	U	200000	35000	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Lead	0.86	U	1.0	0.86	ug/L		02/24/25 06:10	02/26/25 19:17	1
Magnesium	**1100000**		200000	33000	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Manganese	2600	U	10000	2600	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Molybdenum	**2.3**	**J**	5.0	0.69	ug/L		02/24/25 06:10	02/26/25 19:17	1
Nickel	840	U	10000	840	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Potassium	**340000**		200000	87000	ug/L		02/24/25 06:10	02/27/25 19:52	2000

Client Sample ID: Regenerated Nano Media (RNM)

Lab Sample ID: 705-21149-1

Date Collected: 02/19/25 14:15
Matrix: Water
Date Received: 02/19/25 15:25

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	4600	U	10000	4600	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Silver	**340**	**J**	2000	330	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Sodium	**9500000**		1000000	490000	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Thallium	0.19	U	1.0	0.19	ug/L		02/24/25 06:10	02/26/25 19:17	1
Tin	3.7	U	5.0	3.7	ug/L		02/24/25 06:10	02/26/25 19:17	1
Vanadium	2400	U	10000	2400	ug/L		02/24/25 06:10	02/27/25 19:52	2000
Zinc	18000	U	20000	18000	ug/L		02/24/25 06:10	02/27/25 19:52	2000

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00017	U	0.00020	0.00017	mg/L		02/27/25 12:05	02/27/25 15:30	1

Client Sample ID: Regenerated Swollen Nano Media (RSNM)

Lab Sample ID: 705-21149-2

Date Collected: 02/19/25 14:15
Matrix: Water
Date Received: 02/19/25 15:25

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.24	U	1.0	0.24	ug/L			02/28/25 17:46	1
1,1,1-Trichloroethane	0.23	U	1.0	0.23	ug/L			02/28/25 17:46	1
1,1,2,2-Tetrachloroethane	0.23	U	1.0	0.23	ug/L			02/28/25 17:46	1
1,1,2-Trichloroethane	0.21	U	1.0	0.21	ug/L			02/28/25 17:46	1
1,1-Dichloroethane	0.21	U	1.0	0.21	ug/L			02/28/25 17:46	1
1,1-Dichloroethene	0.28	U	1.0	0.28	ug/L			02/28/25 17:46	1
1,1-Dichloropropene	0.27	U	1.0	0.27	ug/L			02/28/25 17:46	1
1,2,3-Trichlorobenzene	0.55	U	1.0	0.55	ug/L			02/28/25 17:46	1
1,2,3-Trichloropropane	0.37	U	1.0	0.37	ug/L			02/28/25 17:46	1
1,2,4-Trichlorobenzene	0.70	U	1.0	0.70	ug/L			02/28/25 17:46	1
1,2,4-Trimethylbenzene	0.24	U	1.0	0.24	ug/L			02/28/25 17:46	1
1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L			02/28/25 17:46	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			02/28/25 17:46	1
1,2-Dichlorobenzene	0.32	U	1.0	0.32	ug/L			02/28/25 17:46	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			02/28/25 17:46	1
1,2-Dichloroethene, Total	0.23	U	2.0	0.23	ug/L			02/28/25 17:46	1
1,2-Dichloropropane	0.21	U	1.0	0.21	ug/L			02/28/25 17:46	1
1,3,5-Trimethylbenzene	0.28	U	1.0	0.28	ug/L			02/28/25 17:46	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			02/28/25 17:46	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			02/28/25 17:46	1
1,4-Dichlorobenzene	0.32	U	1.0	0.32	ug/L			02/28/25 17:46	1
2,2-Dichloropropane	0.29	U	1.0	0.29	ug/L			02/28/25 17:46	1
2-Butanone (MEK)	2.8	U	10	2.8	ug/L			02/28/25 17:46	1
2-Chlorotoluene	0.23	U	1.0	0.23	ug/L			02/28/25 17:46	1
2-Hexanone	3.5	U	10	3.5	ug/L			02/28/25 17:46	1
4-Chlorotoluene	0.21	U	1.0	0.21	ug/L			02/28/25 17:46	1
p-Isopropyltoluene	0.43	U	1.0	0.43	ug/L			02/28/25 17:46	1
Methyl isobutyl ketone (MIBK)	3.2	U *+	10	3.2	ug/L			02/28/25 17:46	1
Acetone	**190**		10	4.0	ug/L			02/28/25 17:46	1
Benzene	0.20	U	1.0	0.20	ug/L			02/28/25 17:46	1
Bromobenzene	0.22	U	1.0	0.22	ug/L			02/28/25 17:46	1
Bromochloromethane	0.33	U	1.0	0.33	ug/L			02/28/25 17:46	1

Client: Georgia Aquarium Inc
Project/Site: Nano Project - ACF

Job ID: 705-21149-1

Client Sample ID: Regenerated Swollen Nano Media (RSNM)
Date Collected: 02/19/25 14:15
Date Received: 02/19/25 15:25

Lab Sample ID: 705-21149-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.22	U	1.0	0.22	ug/L			02/28/25 17:46	1
Bromoform	0.46	U	1.0	0.46	ug/L			02/28/25 17:46	1
Bromomethane	0.47	U	1.0	0.47	ug/L			02/28/25 17:46	1
Carbon disulfide	0.53	U	2.0	0.53	ug/L			02/28/25 17:46	1
Carbon tetrachloride	0.22	U	1.0	0.22	ug/L			02/28/25 17:46	1
Chlorobenzene	0.20	U	1.0	0.20	ug/L			02/28/25 17:46	1
Chloroethane	0.37	U	1.0	0.37	ug/L			02/28/25 17:46	1
Chloroform	0.22	U	1.0	0.22	ug/L			02/28/25 17:46	1
Chloromethane	0.37	U	1.0	0.37	ug/L			02/28/25 17:46	1
cis-1,2-Dichloroethene	0.23	U	1.0	0.23	ug/L			02/28/25 17:46	1
cis-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			02/28/25 17:46	1
Dibromochloromethane	0.44	U	1.0	0.44	ug/L			02/28/25 17:46	1
Dibromomethane	0.32	U	1.0	0.32	ug/L			02/28/25 17:46	1
Ethylbenzene	0.28	U	1.0	0.28	ug/L			02/28/25 17:46	1
Hexachlorobutadiene	0.85	U	1.0	0.85	ug/L			02/28/25 17:46	1
Isopropylbenzene	0.27	U	1.0	0.27	ug/L			02/28/25 17:46	1
m-Xylene & p-Xylene	0.37	U	2.0	0.37	ug/L			02/28/25 17:46	1
Methyl tert-butyl ether	0.18	U	1.0	0.18	ug/L			02/28/25 17:46	1
Methylene Chloride	2.4	U	5.0	2.4	ug/L			02/28/25 17:46	1
Naphthalene	1.6	U	2.0	1.6	ug/L			02/28/25 17:46	1
n-Butylbenzene	0.69	U	1.0	0.69	ug/L			02/28/25 17:46	1
N-Propylbenzene	0.24	U	1.0	0.24	ug/L			02/28/25 17:46	1
o-Xylene	0.27	U	1.0	0.27	ug/L			02/28/25 17:46	1
sec-Butylbenzene	0.48	U	1.0	0.48	ug/L			02/28/25 17:46	1
Styrene	0.19	U	1.0	0.19	ug/L			02/28/25 17:46	1
tert-Butylbenzene	0.39	U	1.0	0.39	ug/L			02/28/25 17:46	1
Tetrachloroethene	**0.19**	**J B**	1.0	0.19	ug/L			02/28/25 17:46	1
Toluene	0.20	U	1.0	0.20	ug/L			02/28/25 17:46	1
trans-1,2-Dichloroethene	0.27	U	1.0	0.27	ug/L			02/28/25 17:46	1
trans-1,3-Dichloropropene	0.43	U	2.0	0.43	ug/L			02/28/25 17:46	1
Trichloroethene	0.21	U	1.0	0.21	ug/L			02/28/25 17:46	1
Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L			02/28/25 17:46	1
Vinyl acetate	2.6	U	10	2.6	ug/L			02/28/25 17:46	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			02/28/25 17:46	1
Xylenes, Total	0.27	U	3.0	0.27	ug/L			02/28/25 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 126*		*02/28/25 17:46*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 121*		*02/28/25 17:46*	*1*
Toluene-d8 (Surr)	*102*		*79 - 119*		*02/28/25 17:46*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**3300**		50	26	ug/L		02/26/25 11:04	02/27/25 19:27	1
Lithium	**570**	**F1**	20	3.7	ug/L		02/26/25 11:04	03/03/25 11:17	1
Phosphorus	**240**		100	26	ug/L		02/26/25 11:04	02/27/25 19:27	1
Strontium	**5600**		50	4.1	ug/L		02/26/25 11:04	02/27/25 19:27	1

Client: Georgia Aquarium Inc
Project/Site: Nano Project - ACF

Job ID: 705-21149-1

Client Sample ID: Regenerated Swollen Nano Media (RSNM)

Lab Sample ID: 705-21149-2

Date Collected: 02/19/25 14:15

Matrix: Water

Date Received: 02/19/25 15:25

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	32000	U	100000	32000	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Antimony	2.5	U	5.0	2.5	ug/L		02/24/25 06:10	02/26/25 19:29	1
Arsenic	2600	U	10000	2600	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Barium	820	U	20000	820	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Beryllium	290	U	2000	290	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Cadmium	0.24	U	0.70	0.24	ug/L		02/24/25 06:10	02/26/25 19:29	1
Calcium	**370000**		200000	88000	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Chromium	7400	U	10000	7400	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Cobalt	820	U	10000	820	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Copper	1300	U	4000	1300	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Iron	35000	U	200000	35000	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Lead	0.86	U	1.0	0.86	ug/L		02/24/25 06:10	02/26/25 19:29	1
Magnesium	**1200000**		200000	33000	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Manganese	2600	U	10000	2600	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Molybdenum	**2.6**	**J**	5.0	0.69	ug/L		02/24/25 06:10	02/26/25 19:29	1
Nickel	840	U	10000	840	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Potassium	**370000**		200000	87000	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Selenium	4600	U	10000	4600	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Silver	330	U	2000	330	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Sodium	**10000000**		1000000	490000	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Thallium	0.19	U	1.0	0.19	ug/L		02/24/25 06:10	02/26/25 19:29	1
Tin	3.7	U	5.0	3.7	ug/L		02/24/25 06:10	02/26/25 19:29	1
Vanadium	2400	U	10000	2400	ug/L		02/24/25 06:10	02/27/25 20:09	2000
Zinc	18000	U	20000	18000	ug/L		02/24/25 06:10	02/27/25 20:09	2000

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00017	U	0.00020	0.00017	mg/L		02/27/25 12:05	02/27/25 15:45	1

Surrogate Summary

Client: Georgia Aquarium Inc
Project/Site: Nano Project - ACF

Job ID: 705-21149-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-126)	(77-121)	(79-119)
705-21149-1	Regenerated Nano Media (RNM)	95	102	105
705-21149-2	Regenerated Swollen Nano Media (RSNM)	92	98	102
LCS 705-39024/35	Lab Control Sample	98	102	106
MB 705-39024/7	Method Blank	93	100	106
MRL 705-39024/5	Lab Control Sample	94	100	103

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 705-39024/7
Matrix: Water
Analysis Batch: 39024

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.24	U	1.0	0.24	ug/L			02/28/25 16:57	1
1,1,1-Trichloroethane	0.23	U	1.0	0.23	ug/L			02/28/25 16:57	1
1,1,2,2-Tetrachloroethane	0.23	U	1.0	0.23	ug/L			02/28/25 16:57	1
1,1,2-Trichloroethane	0.21	U	1.0	0.21	ug/L			02/28/25 16:57	1
1,1-Dichloroethane	0.21	U	1.0	0.21	ug/L			02/28/25 16:57	1
1,1-Dichloroethene	0.28	U	1.0	0.28	ug/L			02/28/25 16:57	1
1,1-Dichloropropene	0.27	U	1.0	0.27	ug/L			02/28/25 16:57	1
1,2,3-Trichlorobenzene	0.55	U	1.0	0.55	ug/L			02/28/25 16:57	1
1,2,3-Trichloropropane	0.37	U	1.0	0.37	ug/L			02/28/25 16:57	1
1,2,4-Trichlorobenzene	0.70	U	1.0	0.70	ug/L			02/28/25 16:57	1
1,2,4-Trimethylbenzene	0.24	U	1.0	0.24	ug/L			02/28/25 16:57	1
1,2-Dibromo-3-Chloropropane	0.45	U	1.0	0.45	ug/L			02/28/25 16:57	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			02/28/25 16:57	1
1,2-Dichlorobenzene	0.32	U	1.0	0.32	ug/L			02/28/25 16:57	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			02/28/25 16:57	1
1,2-Dichloroethene, Total	0.23	U	2.0	0.23	ug/L			02/28/25 16:57	1
1,2-Dichloropropane	0.21	U	1.0	0.21	ug/L			02/28/25 16:57	1
1,3,5-Trimethylbenzene	0.28	U	1.0	0.28	ug/L			02/28/25 16:57	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			02/28/25 16:57	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			02/28/25 16:57	1
1,4-Dichlorobenzene	0.32	U	1.0	0.32	ug/L			02/28/25 16:57	1
2,2-Dichloropropane	0.29	U	1.0	0.29	ug/L			02/28/25 16:57	1
2-Butanone (MEK)	2.8	U	10	2.8	ug/L			02/28/25 16:57	1
2-Chlorotoluene	0.23	U	1.0	0.23	ug/L			02/28/25 16:57	1
2-Hexanone	3.5	U	10	3.5	ug/L			02/28/25 16:57	1
4-Chlorotoluene	0.21	U	1.0	0.21	ug/L			02/28/25 16:57	1
p-Isopropyltoluene	0.43	U	1.0	0.43	ug/L			02/28/25 16:57	1
Methyl isobutyl ketone (MIBK)	3.2	U	10	3.2	ug/L			02/28/25 16:57	1
Acetone	4.0	U	10	4.0	ug/L			02/28/25 16:57	1
Benzene	0.20	U	1.0	0.20	ug/L			02/28/25 16:57	1
Bromobenzene	0.22	U	1.0	0.22	ug/L			02/28/25 16:57	1
Bromochloromethane	0.33	U	1.0	0.33	ug/L			02/28/25 16:57	1
Bromodichloromethane	0.22	U	1.0	0.22	ug/L			02/28/25 16:57	1
Bromoform	0.46	U	1.0	0.46	ug/L			02/28/25 16:57	1
Bromomethane	0.47	U	1.0	0.47	ug/L			02/28/25 16:57	1
Carbon disulfide	0.53	U	2.0	0.53	ug/L			02/28/25 16:57	1
Carbon tetrachloride	0.22	U	1.0	0.22	ug/L			02/28/25 16:57	1
Chlorobenzene	0.20	U	1.0	0.20	ug/L			02/28/25 16:57	1
Chloroethane	0.37	U	1.0	0.37	ug/L			02/28/25 16:57	1
Chloroform	0.22	U	1.0	0.22	ug/L			02/28/25 16:57	1
Chloromethane	0.37	U	1.0	0.37	ug/L			02/28/25 16:57	1
cis-1,2-Dichloroethene	0.23	U	1.0	0.23	ug/L			02/28/25 16:57	1
cis-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			02/28/25 16:57	1
Dibromochloromethane	0.44	U	1.0	0.44	ug/L			02/28/25 16:57	1
Dibromomethane	0.32	U	1.0	0.32	ug/L			02/28/25 16:57	1
Ethylbenzene	0.28	U	1.0	0.28	ug/L			02/28/25 16:57	1
Hexachlorobutadiene	0.85	U	1.0	0.85	ug/L			02/28/25 16:57	1
Isopropylbenzene	0.27	U	1.0	0.27	ug/L			02/28/25 16:57	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 705-39024/7
Matrix: Water
Analysis Batch: 39024

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.37	U	2.0	0.37	ug/L			02/28/25 16:57	1
Methyl tert-butyl ether	0.18	U	1.0	0.18	ug/L			02/28/25 16:57	1
Methylene Chloride	2.4	U	5.0	2.4	ug/L			02/28/25 16:57	1
Naphthalene	1.6	U	2.0	1.6	ug/L			02/28/25 16:57	1
n-Butylbenzene	0.69	U	1.0	0.69	ug/L			02/28/25 16:57	1
N-Propylbenzene	0.24	U	1.0	0.24	ug/L			02/28/25 16:57	1
o-Xylene	0.27	U	1.0	0.27	ug/L			02/28/25 16:57	1
sec-Butylbenzene	0.48	U	1.0	0.48	ug/L			02/28/25 16:57	1
Styrene	0.19	U	1.0	0.19	ug/L			02/28/25 16:57	1
tert-Butylbenzene	0.39	U	1.0	0.39	ug/L			02/28/25 16:57	1
Tetrachloroethene	0.197	J	1.0	0.19	ug/L			02/28/25 16:57	1
Toluene	0.20	U	1.0	0.20	ug/L			02/28/25 16:57	1
trans-1,2-Dichloroethene	0.27	U	1.0	0.27	ug/L			02/28/25 16:57	1
trans-1,3-Dichloropropene	0.43	U	2.0	0.43	ug/L			02/28/25 16:57	1
Trichloroethene	0.21	U	1.0	0.21	ug/L			02/28/25 16:57	1
Trichlorofluoromethane	0.40	U	1.0	0.40	ug/L			02/28/25 16:57	1
Vinyl acetate	2.6	U	10	2.6	ug/L			02/28/25 16:57	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			02/28/25 16:57	1
Xylenes, Total	0.27	U	3.0	0.27	ug/L			02/28/25 16:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 126*		*02/28/25 16:57*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 121*		*02/28/25 16:57*	*1*
Toluene-d8 (Surr)	*106*		*79 - 119*		*02/28/25 16:57*	*1*

Lab Sample ID: LCS 705-39024/35
Matrix: Water
Analysis Batch: 39024

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	21.1		ug/L		105	76 - 130
1,1,1-Trichloroethane	20.0	22.3		ug/L		112	71 - 124
1,1,2,2-Tetrachloroethane	20.0	24.3		ug/L		121	73 - 127
1,1,2-Trichloroethane	20.0	22.3		ug/L		111	69 - 127
1,1-Dichloroethane	20.0	22.2		ug/L		111	65 - 126
1,1-Dichloroethene	20.0	21.8		ug/L		109	69 - 130
1,1-Dichloropropene	20.0	23.0		ug/L		115	74 - 129
1,2,3-Trichlorobenzene	20.0	22.1		ug/L		110	65 - 130
1,2,3-Trichloropropane	20.0	20.2		ug/L		101	70 - 127
1,2,4-Trichlorobenzene	20.0	20.1		ug/L		101	65 - 131
1,2,4-Trimethylbenzene	20.0	23.8		ug/L		119	80 - 123
1,2-Dibromo-3-Chloropropane	20.0	20.2		ug/L		101	64 - 125
1,2-Dibromoethane	20.0	20.8		ug/L		104	68 - 133
1,2-Dichlorobenzene	20.0	23.5		ug/L		117	69 - 127
1,2-Dichloroethane	20.0	23.5		ug/L		118	72 - 127
1,2-Dichloroethene, Total	40.0	44.3		ug/L		111	75 - 121
1,2-Dichloropropane	20.0	22.2		ug/L		111	71 - 121
1,3,5-Trimethylbenzene	20.0	23.7		ug/L		118	79 - 124

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 705-39024/35
Matrix: Water
Analysis Batch: 39024

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Dichlorobenzene	20.0	23.9		ug/L		119	68 - 128
1,3-Dichloropropane	20.0	21.9		ug/L		109	76 - 125
1,4-Dichlorobenzene	20.0	23.6		ug/L		118	68 - 126
2,2-Dichloropropane	20.0	21.7		ug/L		108	71 - 131
2-Butanone (MEK)	40.0	44.3		ug/L		111	74 - 131
2-Chlorotoluene	20.0	22.2		ug/L		111	75 - 123
2-Hexanone	40.0	49.4		ug/L		123	70 - 130
4-Chlorotoluene	20.0	23.5		ug/L		118	76 - 124
p-Isopropyltoluene	20.0	24.4		ug/L		122	78 - 126
Methyl isobutyl ketone (MIBK)	40.0	50.9	*+	ug/L		127	76 - 122
Acetone	40.0	54.4		ug/L		136	62 - 136
Benzene	20.0	22.6		ug/L		113	76 - 122
Bromobenzene	20.0	22.0		ug/L		110	77 - 125
Bromochloromethane	20.0	22.3		ug/L		112	77 - 120
Bromodichloromethane	20.0	20.5		ug/L		102	70 - 124
Bromoform	20.0	14.5		ug/L		72	65 - 129
Bromomethane	20.0	18.1		ug/L		90	60 - 138
Carbon disulfide	40.0	36.2		ug/L		91	71 - 122
Carbon tetrachloride	20.0	22.3		ug/L		112	72 - 131
Chlorobenzene	20.0	23.3		ug/L		117	75 - 121
Chloroethane	20.0	21.5		ug/L		107	55 - 138
Chloroform	20.0	22.0		ug/L		110	73 - 121
Chloromethane	20.0	18.0		ug/L		90	57 - 129
cis-1,2-Dichloroethene	20.0	21.2		ug/L		106	76 - 121
cis-1,3-Dichloropropene	20.0	21.3		ug/L		107	70 - 129
Dibromochloromethane	20.0	18.7		ug/L		93	70 - 131
Dibromomethane	20.0	22.6		ug/L		113	70 - 130
Ethylbenzene	20.0	22.9		ug/L		114	75 - 127
Hexachlorobutadiene	20.0	20.0		ug/L		100	65 - 137
Isopropylbenzene	20.0	22.1		ug/L		110	76 - 125
m-Xylene & p-Xylene	40.0	49.8		ug/L		124	76 - 128
Methyl tert-butyl ether	20.0	21.3		ug/L		107	76 - 123
Methylene Chloride	20.0	21.3		ug/L		107	68 - 131
Naphthalene	20.0	21.8		ug/L		109	67 - 129
n-Butylbenzene	20.0	23.9		ug/L		120	71 - 131
N-Propylbenzene	20.0	24.0		ug/L		120	75 - 127
o-Xylene	20.0	23.0		ug/L		115	78 - 124
sec-Butylbenzene	20.0	24.9		ug/L		125	74 - 127
Styrene	20.0	24.4		ug/L		122	71 - 129
tert-Butylbenzene	20.0	23.0		ug/L		115	72 - 127
Tetrachloroethene	20.0	22.6		ug/L		113	74 - 129
Toluene	20.0	24.5		ug/L		122	74 - 124
trans-1,2-Dichloroethene	20.0	23.1		ug/L		115	74 - 124
trans-1,3-Dichloropropene	20.0	21.5		ug/L		108	59 - 135
Trichloroethene	20.0	22.1		ug/L		110	72 - 129
Trichlorofluoromethane	20.0	22.8		ug/L		114	63 - 142
Vinyl acetate	40.0	47.4		ug/L		119	50 - 150
Vinyl chloride	20.0	19.5		ug/L		97	65 - 132
Xylenes, Total	60.0	72.8		ug/L		121	75 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	98		70 - 126
Dibromofluoromethane (Surr)	102		77 - 121
Toluene-d8 (Surr)	106		79 - 119

Lab Sample ID: MRL 705-39024/5
Matrix: Water
Analysis Batch: 39024

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	1.00	0.688	J	ug/L		69	50 - 150
Bromoform	1.00	1.43		ug/L		143	50 - 150
Carbon disulfide	2.00	1.46	J	ug/L		73	50 - 150
Dibromochloromethane	1.00	0.682	J	ug/L		68	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
4-Bromofluorobenzene	94		70 - 126
Dibromofluoromethane (Surr)	100		77 - 121
Toluene-d8 (Surr)	103		79 - 119

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 705-38470/1-A
Matrix: Water
Analysis Batch: 38911

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38470

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	26	U	50	26	ug/L		02/26/25 11:04	02/27/25 19:21	1
Phosphorus	26	U	100	26	ug/L		02/26/25 11:04	02/27/25 19:21	1
Strontium	4.1	U	50	4.1	ug/L		02/26/25 11:04	02/27/25 19:21	1

Lab Sample ID: MB 705-38470/1-A
Matrix: Water
Analysis Batch: 39319

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38470

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	3.7	U	20	3.7	ug/L		02/26/25 11:04	03/03/25 11:13	1

Lab Sample ID: LCS 705-38470/2-A
Matrix: Water
Analysis Batch: 38911

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38470

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1000	997		ug/L		100	80 - 120
Phosphorus	1000	1010		ug/L		101	80 - 120
Strontium	1000	1010		ug/L		101	80 - 120

Lab Sample ID: LCS 705-38470/2-A
Matrix: Water
Analysis Batch: 39319

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38470

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	1000	1060		ug/L		106	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 705-21149-2 MS
Matrix: Water
Analysis Batch: 38911

Client Sample ID: Regenerated Swollen Nano Media (RSNM)
Prep Type: Total/NA
Prep Batch: 38470

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	3300		1000	4340		ug/L		100	75 - 125
Phosphorus	240		1000	1040		ug/L		80	75 - 125
Strontium	5600		1000	6620	4	ug/L		97	75 - 125

Lab Sample ID: 705-21149-2 MS
Matrix: Water
Analysis Batch: 39319

Client Sample ID: Regenerated Swollen Nano Media (RSNM)
Prep Type: Total/NA
Prep Batch: 38470

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	570	F1	1000	2350	F1	ug/L		179	75 - 125

Lab Sample ID: 705-21149-2 MSD
Matrix: Water
Analysis Batch: 38911

Client Sample ID: Regenerated Swollen Nano Media (RSNM)
Prep Type: Total/NA
Prep Batch: 38470

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	3300		1000	4310		ug/L		97	75 - 125	1	20
Phosphorus	240		1000	1030		ug/L		79	75 - 125	1	20
Strontium	5600		1000	6550		ug/L		90	75 - 125	1	20

Lab Sample ID: 705-21149-2 MSD
Matrix: Water
Analysis Batch: 39319

Client Sample ID: Regenerated Swollen Nano Media (RSNM)
Prep Type: Total/NA
Prep Batch: 38470

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	570	F1	1000	2330	F1	ug/L		177	75 - 125	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 705-37652/1-A
Matrix: Water
Analysis Batch: 38773

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 37652

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.5	U	5.0	2.5	ug/L		02/24/25 06:10	02/26/25 19:09	1
Cadmium	0.24	U	0.70	0.24	ug/L		02/24/25 06:10	02/26/25 19:09	1
Lead	0.86	U	1.0	0.86	ug/L		02/24/25 06:10	02/26/25 19:09	1
Molybdenum	0.69	U	5.0	0.69	ug/L		02/24/25 06:10	02/26/25 19:09	1
Thallium	0.19	U	1.0	0.19	ug/L		02/24/25 06:10	02/26/25 19:09	1
Tin	3.7	U	5.0	3.7	ug/L		02/24/25 06:10	02/26/25 19:09	1

Lab Sample ID: MB 705-37652/1-A
Matrix: Water
Analysis Batch: 38987

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 37652

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16	U	50	16	ug/L		02/24/25 06:10	02/27/25 19:42	1
Antimony	2.5	U	5.0	2.5	ug/L		02/24/25 06:10	02/27/25 19:42	1
Arsenic	1.3	U	5.0	1.3	ug/L		02/24/25 06:10	02/27/25 19:42	1
Barium	0.41	U	10	0.41	ug/L		02/24/25 06:10	02/27/25 19:42	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 705-37652/1-A
Matrix: Water
Analysis Batch: 38987

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 37652

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.15	U	1.0	0.15	ug/L		02/24/25 06:10	02/27/25 19:42	1
Cadmium	0.24	U	0.70	0.24	ug/L		02/24/25 06:10	02/27/25 19:42	1
Calcium	44	U	100	44	ug/L		02/24/25 06:10	02/27/25 19:42	1
Chromium	3.7	U	5.0	3.7	ug/L		02/24/25 06:10	02/27/25 19:42	1
Cobalt	0.41	U	5.0	0.41	ug/L		02/24/25 06:10	02/27/25 19:42	1
Copper	0.64	U	2.0	0.64	ug/L		02/24/25 06:10	02/27/25 19:42	1
Iron	18	U	100	18	ug/L		02/24/25 06:10	02/27/25 19:42	1
Lead	0.86	U	1.0	0.86	ug/L		02/24/25 06:10	02/27/25 19:42	1
Magnesium	16	U	100	16	ug/L		02/24/25 06:10	02/27/25 19:42	1
Manganese	1.3	U	5.0	1.3	ug/L		02/24/25 06:10	02/27/25 19:42	1
Molybdenum	0.69	U	5.0	0.69	ug/L		02/24/25 06:10	02/27/25 19:42	1
Nickel	0.42	U	5.0	0.42	ug/L		02/24/25 06:10	02/27/25 19:42	1
Potassium	44	U	100	44	ug/L		02/24/25 06:10	02/27/25 19:42	1
Selenium	2.3	U	5.0	2.3	ug/L		02/24/25 06:10	02/27/25 19:42	1
Silver	0.17	U	1.0	0.17	ug/L		02/24/25 06:10	02/27/25 19:42	1
Sodium	250	U	500	250	ug/L		02/24/25 06:10	02/27/25 19:42	1
Thallium	0.19	U	1.0	0.19	ug/L		02/24/25 06:10	02/27/25 19:42	1
Tin	3.7	U	5.0	3.7	ug/L		02/24/25 06:10	02/27/25 19:42	1
Vanadium	1.2	U	5.0	1.2	ug/L		02/24/25 06:10	02/27/25 19:42	1
Zinc	8.9	U	10	8.9	ug/L		02/24/25 06:10	02/27/25 19:42	1

Lab Sample ID: LCS 705-37652/2-A
Matrix: Water
Analysis Batch: 38773

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 37652

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	100	103		ug/L		103	80 - 120
Cadmium	100	98.3		ug/L		98	80 - 120
Lead	100	105		ug/L		105	80 - 120
Molybdenum	100	94.4		ug/L		94	80 - 120
Thallium	100	103		ug/L		103	80 - 120
Tin	100	103		ug/L		103	80 - 120

Lab Sample ID: LCS 705-37652/2-A
Matrix: Water
Analysis Batch: 38987

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 37652

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	1000	934		ug/L		93	80 - 120
Antimony	100	90.0		ug/L		90	80 - 120
Arsenic	100	95.8		ug/L		96	80 - 120
Barium	100	92.4		ug/L		92	80 - 120
Beryllium	100	106		ug/L		106	80 - 120
Cadmium	100	99.6		ug/L		100	80 - 120
Calcium	1000	973		ug/L		97	80 - 120
Chromium	100	98.3		ug/L		98	80 - 120
Cobalt	100	98.0		ug/L		98	80 - 120
Copper	100	103		ug/L		103	80 - 120
Iron	1000	932		ug/L		93	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 705-37652/2-A
Matrix: Water
Analysis Batch: 38987

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 37652

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	100	99.9		ug/L		100	80 - 120
Magnesium	1000	985		ug/L		99	80 - 120
Manganese	100	94.5		ug/L		95	80 - 120
Molybdenum	100	96.7		ug/L		97	80 - 120
Nickel	100	100		ug/L		100	80 - 120
Potassium	1000	982		ug/L		98	80 - 120
Selenium	100	95.7		ug/L		96	80 - 120
Silver	10.0	9.65		ug/L		97	80 - 120
Sodium	1000	1020		ug/L		102	80 - 120
Thallium	100	100		ug/L		100	80 - 120
Tin	100	91.4		ug/L		91	80 - 120
Vanadium	100	97.6		ug/L		98	80 - 120
Zinc	100	97.9		ug/L		98	80 - 120

Lab Sample ID: 705-21149-1 MS
Matrix: Water
Analysis Batch: 38773

Client Sample ID: Regenerated Nano Media (RNM)
Prep Type: Total Recoverable
Prep Batch: 37652

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	2.5	U	100	105		ug/L		105	75 - 125
Cadmium	0.30	J	100	86.9		ug/L		87	75 - 125
Lead	0.86	U	100	87.6		ug/L		88	75 - 125
Molybdenum	2.3	J	100	103		ug/L		101	75 - 125
Thallium	0.19	U	100	87.2		ug/L		87	75 - 125
Tin	3.7	U	100	102		ug/L		102	75 - 125

Lab Sample ID: 705-21149-1 MS
Matrix: Water
Analysis Batch: 38987

Client Sample ID: Regenerated Nano Media (RNM)
Prep Type: Total Recoverable
Prep Batch: 37652

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	32000	U	1000	32000	U	ug/L		NC	75 - 125
Antimony	4900	U	100	4900	U	ug/L		NC	75 - 125
Arsenic	2600	U	100	2600	U	ug/L		NC	75 - 125
Barium	820	U	100	820	U	ug/L		NC	75 - 125
Beryllium	310	J F1	100	290	U F1	ug/L		0	75 - 125
Cadmium	470	U	100	470	U	ug/L		NC	75 - 125
Calcium	370000		1000	375000	4	ug/L		585	75 - 125
Chromium	7400	U	100	7400	U	ug/L		NC	75 - 125
Cobalt	820	U	100	820	U	ug/L		NC	75 - 125
Copper	1300	U	100	1300	U	ug/L		NC	75 - 125
Iron	35000	U	1000	35000	U	ug/L		NC	75 - 125
Lead	1700	U	100	1700	U	ug/L		NC	75 - 125
Magnesium	1100000		1000	1120000	4	ug/L		81	75 - 125
Manganese	2600	U	100	2600	U	ug/L		NC	75 - 125
Molybdenum	1400	U	100	1400	U	ug/L		NC	75 - 125
Nickel	840	U	100	840	U	ug/L		NC	75 - 125
Potassium	340000		1000	338000	4	ug/L		-508	75 - 125
Selenium	4600	U	100	4600	U	ug/L		NC	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 705-21149-1 MS
Matrix: Water
Analysis Batch: 38987

Client Sample ID: Regenerated Nano Media (RNM)
Prep Type: Total Recoverable
Prep Batch: 37652

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	340	J	10.0	330	U 4	ug/L		0	75 - 125
Sodium	9500000		1000	9870000	4	ug/L		41611	75 - 125
Thallium	760	J	100	380	U 4	ug/L		0	75 - 125
Tin	7300	U	100	7300	U	ug/L		NC	75 - 125
Vanadium	2400	U	100	2400	U	ug/L		NC	75 - 125
Zinc	18000	U	100	18000	U	ug/L		NC	75 - 125

Lab Sample ID: 705-21149-1 MSD
Matrix: Water
Analysis Batch: 38773

Client Sample ID: Regenerated Nano Media (RNM)
Prep Type: Total Recoverable
Prep Batch: 37652

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	2.5	U	100	110		ug/L		110	75 - 125	4	20
Cadmium	0.30	J	100	90.3		ug/L		90	75 - 125	4	20
Lead	0.86	U	100	89.0		ug/L		89	75 - 125	2	20
Molybdenum	2.3	J	100	107		ug/L		105	75 - 125	4	20
Thallium	0.19	U	100	88.7		ug/L		89	75 - 125	2	20
Tin	3.7	U	100	107		ug/L		107	75 - 125	5	20

Lab Sample ID: 705-21149-1 MSD
Matrix: Water
Analysis Batch: 38987

Client Sample ID: Regenerated Nano Media (RNM)
Prep Type: Total Recoverable
Prep Batch: 37652

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	32000	U	1000	32000	U	ug/L		NC	75 - 125	NC	20
Antimony	4900	U	100	4900	U	ug/L		NC	75 - 125	NC	20
Arsenic	2600	U	100	2600	U	ug/L		NC	75 - 125	NC	20
Barium	820	U	100	820	U	ug/L		NC	75 - 125	NC	20
Beryllium	310	J F1	100	290	U F1	ug/L		0	75 - 125	NC	20
Cadmium	470	U	100	470	U	ug/L		NC	75 - 125	NC	20
Calcium	370000		1000	377000	4	ug/L		741	75 - 125	0	20
Chromium	7400	U	100	7400	U	ug/L		NC	75 - 125	NC	20
Cobalt	820	U	100	820	U	ug/L		NC	75 - 125	NC	20
Copper	1300	U	100	1300	U	ug/L		NC	75 - 125	NC	20
Iron	35000	U	1000	35000	U	ug/L		NC	75 - 125	NC	20
Lead	1700	U	100	1700	U	ug/L		NC	75 - 125	NC	20
Magnesium	1100000		1000	1140000	4	ug/L		2770	75 - 125	2	20
Manganese	2600	U	100	2600	U	ug/L		NC	75 - 125	NC	20
Molybdenum	1400	U	100	1400	U	ug/L		NC	75 - 125	NC	20
Nickel	840	U	100	840	U	ug/L		NC	75 - 125	NC	20
Potassium	340000		1000	353000	4	ug/L		974	75 - 125	4	20
Selenium	4600	U	100	4600	U	ug/L		NC	75 - 125	NC	20
Silver	340	J	10.0	330	U 4	ug/L		0	75 - 125	NC	20
Sodium	9500000		1000	9620000	4	ug/L		16612	75 - 125	3	20
Thallium	760	J	100	380	U 4	ug/L		0	75 - 125	NC	20
Tin	7300	U	100	7300	U	ug/L		NC	75 - 125	NC	20
Vanadium	2400	U	100	2400	U	ug/L		NC	75 - 125	NC	20
Zinc	18000	U	100	18000	U	ug/L		NC	75 - 125	NC	20

Client: Georgia Aquarium Inc
Project/Site: Nano Project - ACF

Job ID: 705-21149-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-38792/1-A
Matrix: Water
Analysis Batch: 38930

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38792

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00017	U	0.00020	0.00017	mg/L		02/27/25 12:05	02/27/25 15:22	1

Lab Sample ID: LCS 705-38792/2-A
Matrix: Water
Analysis Batch: 38930

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00400	0.00398		mg/L		99	80 - 120

Lab Sample ID: 705-21149-1 MS
Matrix: Water
Analysis Batch: 38930

Client Sample ID: Regenerated Nano Media (RNM)
Prep Type: Total/NA
Prep Batch: 38792

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00017	U	0.00400	0.00390		mg/L		97	75 - 125

Lab Sample ID: 705-21149-1 MSD
Matrix: Water
Analysis Batch: 38930

Client Sample ID: Regenerated Nano Media (RNM)
Prep Type: Total/NA
Prep Batch: 38792

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00017	U	0.00400	0.00399		mg/L		100	75 - 125	2	20

GC/MS VOA

Analysis Batch: 39024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-21149-1	Regenerated Nano Media (RNM)	Total/NA	Water	8260D	
705-21149-2	Regenerated Swollen Nano Media (RSNM)	Total/NA	Water	8260D	
MB 705-39024/7	Method Blank	Total/NA	Water	8260D	
LCS 705-39024/35	Lab Control Sample	Total/NA	Water	8260D	
MRL 705-39024/5	Lab Control Sample	Total/NA	Water	8260D	

Metals

Prep Batch: 37652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-21149-1	Regenerated Nano Media (RNM)	Total Recoverable	Water	3005A	
705-21149-2	Regenerated Swollen Nano Media (RSNM)	Total Recoverable	Water	3005A	
MB 705-37652/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 705-37652/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
705-21149-1 MS	Regenerated Nano Media (RNM)	Total Recoverable	Water	3005A	
705-21149-1 MSD	Regenerated Nano Media (RNM)	Total Recoverable	Water	3005A	

Prep Batch: 38470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-21149-1	Regenerated Nano Media (RNM)	Total/NA	Water	3010A	
705-21149-2	Regenerated Swollen Nano Media (RSNM)	Total/NA	Water	3010A	
MB 705-38470/1-A	Method Blank	Total/NA	Water	3010A	
LCS 705-38470/2-A	Lab Control Sample	Total/NA	Water	3010A	
705-21149-2 MS	Regenerated Swollen Nano Media (RSNM)	Total/NA	Water	3010A	
705-21149-2 MSD	Regenerated Swollen Nano Media (RSNM)	Total/NA	Water	3010A	

Analysis Batch: 38773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-21149-1	Regenerated Nano Media (RNM)	Total Recoverable	Water	6020B	37652
705-21149-2	Regenerated Swollen Nano Media (RSNM)	Total Recoverable	Water	6020B	37652
MB 705-37652/1-A	Method Blank	Total Recoverable	Water	6020B	37652
LCS 705-37652/2-A	Lab Control Sample	Total Recoverable	Water	6020B	37652
705-21149-1 MS	Regenerated Nano Media (RNM)	Total Recoverable	Water	6020B	37652
705-21149-1 MSD	Regenerated Nano Media (RNM)	Total Recoverable	Water	6020B	37652

Prep Batch: 38792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-21149-1	Regenerated Nano Media (RNM)	Total/NA	Water	7470A	
705-21149-2	Regenerated Swollen Nano Media (RSNM)	Total/NA	Water	7470A	
MB 705-38792/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-38792/2-A	Lab Control Sample	Total/NA	Water	7470A	
705-21149-1 MS	Regenerated Nano Media (RNM)	Total/NA	Water	7470A	
705-21149-1 MSD	Regenerated Nano Media (RNM)	Total/NA	Water	7470A	

Analysis Batch: 38911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-21149-1	Regenerated Nano Media (RNM)	Total/NA	Water	6010D	38470
705-21149-2	Regenerated Swollen Nano Media (RSNM)	Total/NA	Water	6010D	38470
MB 705-38470/1-A	Method Blank	Total/NA	Water	6010D	38470
LCS 705-38470/2-A	Lab Control Sample	Total/NA	Water	6010D	38470
705-21149-2 MS	Regenerated Swollen Nano Media (RSNM)	Total/NA	Water	6010D	38470

Metals (Continued)

Analysis Batch: 38911 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-21149-2 MSD	Regenerated Swollen Nano Media (RSNM)	Total/NA	Water	6010D	38470

Analysis Batch: 38930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-21149-1	Regenerated Nano Media (RNM)	Total/NA	Water	7470A	38792
705-21149-2	Regenerated Swollen Nano Media (RSNM)	Total/NA	Water	7470A	38792
MB 705-38792/1-A	Method Blank	Total/NA	Water	7470A	38792
LCS 705-38792/2-A	Lab Control Sample	Total/NA	Water	7470A	38792
705-21149-1 MS	Regenerated Nano Media (RNM)	Total/NA	Water	7470A	38792
705-21149-1 MSD	Regenerated Nano Media (RNM)	Total/NA	Water	7470A	38792

Analysis Batch: 38987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-21149-1	Regenerated Nano Media (RNM)	Total Recoverable	Water	6020B	37652
705-21149-2	Regenerated Swollen Nano Media (RSNM)	Total Recoverable	Water	6020B	37652
MB 705-37652/1-A	Method Blank	Total Recoverable	Water	6020B	37652
LCS 705-37652/2-A	Lab Control Sample	Total Recoverable	Water	6020B	37652
705-21149-1 MS	Regenerated Nano Media (RNM)	Total Recoverable	Water	6020B	37652
705-21149-1 MSD	Regenerated Nano Media (RNM)	Total Recoverable	Water	6020B	37652

Analysis Batch: 39319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-21149-1	Regenerated Nano Media (RNM)	Total/NA	Water	6010D	38470
705-21149-2	Regenerated Swollen Nano Media (RSNM)	Total/NA	Water	6010D	38470
MB 705-38470/1-A	Method Blank	Total/NA	Water	6010D	38470
LCS 705-38470/2-A	Lab Control Sample	Total/NA	Water	6010D	38470
705-21149-2 MS	Regenerated Swollen Nano Media (RSNM)	Total/NA	Water	6010D	38470
705-21149-2 MSD	Regenerated Swollen Nano Media (RSNM)	Total/NA	Water	6010D	38470

Lab Chronicle

Client: Georgia Aquarium Inc
Project/Site: Nano Project - ACF

Job ID: 705-21149-1

Client Sample ID: Regenerated Nano Media (RNM)

Lab Sample ID: 705-21149-1

Date Collected: 02/19/25 14:15
Date Received: 02/19/25 15:25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	39024	OM	EET ATL	02/28/25 17:21
Total/NA	Prep	3010A			38470	EF	EET ATL	02/26/25 11:04
Total/NA	Analysis	6010D		1	38911	DS	EET ATL	02/27/25 19:48
Total/NA	Prep	3010A			38470	EF	EET ATL	02/26/25 11:04
Total/NA	Analysis	6010D		1	39319	DS	EET ATL	03/03/25 11:26
Total Recoverable	Prep	3005A			37652	BR	EET ATL	02/24/25 06:10
Total Recoverable	Analysis	6020B		1	38773	IF	EET ATL	02/26/25 19:17
Total Recoverable	Prep	3005A			37652	BR	EET ATL	02/24/25 06:10
Total Recoverable	Analysis	6020B		2000	38987	IF	EET ATL	02/27/25 19:52
Total/NA	Prep	7470A			38792	GR	EET ATL	02/27/25 12:05
Total/NA	Analysis	7470A		1	38930	GR	EET ATL	02/27/25 15:30

Client Sample ID: Regenerated Swollen Nano Media (RSNM)

Lab Sample ID: 705-21149-2

Date Collected: 02/19/25 14:15
Date Received: 02/19/25 15:25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	39024	OM	EET ATL	02/28/25 17:46
Total/NA	Prep	3010A			38470	EF	EET ATL	02/26/25 11:04
Total/NA	Analysis	6010D		1	38911	DS	EET ATL	02/27/25 19:27
Total/NA	Prep	3010A			38470	EF	EET ATL	02/26/25 11:04
Total/NA	Analysis	6010D		1	39319	DS	EET ATL	03/03/25 11:17
Total Recoverable	Prep	3005A			37652	BR	EET ATL	02/24/25 06:10
Total Recoverable	Analysis	6020B		1	38773	IF	EET ATL	02/26/25 19:29
Total Recoverable	Prep	3005A			37652	BR	EET ATL	02/24/25 06:10
Total Recoverable	Analysis	6020B		2000	38987	IF	EET ATL	02/27/25 20:09
Total/NA	Prep	7470A			38792	GR	EET ATL	02/27/25 12:05
Total/NA	Analysis	7470A		1	38930	GR	EET ATL	02/27/25 15:45

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Accreditation/Certification Summary

Client: Georgia Aquarium Inc
Project/Site: Nano Project - ACF

Job ID: 705-21149-1

Laboratory: Eurofins Atlanta

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
AIHA LAP, LLC	Environmental Lead Laboratory Accreditation Program (ELLAP)	LAP-100671	11-01-25
AIHA LAP, LLC	Industrial Hygiene Laboratory Accreditation Program (IHLAP)	LAP-100671	11-01-25
Florida	NELAP	E87582	06-30-25
Georgia	State	E87582	06-30-25
Georgia (DW)	State	800	04-25-26
Kentucky (UST)	State	123046	06-30-25
North Carolina (WW/SW)	State	562	12-31-25
South Carolina	State	98016	06-30-25
USDA	US Federal Programs	525-23-143-96227A1	05-23-26

Method Summary

Client: Georgia Aquarium Inc
Project/Site: Nano Project - ACF

Job ID: 705-21149-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET ATL
6010D	Metals (ICP)	SW846	EET ATL
6020B	Metals (ICP/MS)	SW846	EET ATL
7470A	Mercury (CVAA)	SW846	EET ATL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ATL
3010A	Preparation, Total Metals	SW846	EET ATL
5030B	Purge and Trap	SW846	EET ATL
7470A	Preparation, Mercury	SW846	EET ATL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Sample Summary

Client: Georgia Aquarium Inc
Project/Site: Nano Project - ACF

Job ID: 705-21149-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
705-21149-1	Regenerated Nano Media (RNM)	Water	02/19/25 14:15	02/19/25 15:25
705-21149-2	Regenerated Swollen Nano Media (RSNM)	Water	02/19/25 14:15	02/19/25 15:25

Eurofins Atlanta
3080 Presidential Dr
Atlanta, GA 30340
Phone (770) 457-8177

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Lee Camp	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: Lee Camp	Phone: 404-538-0949	E-Mail: David Fuller@et.eurofinsus com	State of Origin: GA	Page: Page 1 of 1
Company: Georgia Aquarium Inc	PWSID:			Job #:

Analysis Requested

Address: 225 Baker Street	Due Date Requested: 2/26/25
City: Atlanta	TAT Requested (days): Standard
State, Zip: GA 30313	Compliance Project: Δ Yes (No)
Phone: 404-538-0949 (Tel)	Lab Project #: (DO NOT REMOVE) 68030124
Email: lcamp@georgiaaquarium.org	PO #:
Project Name: Nano Project	Project #:
Site: ACF	SSOW#:

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Y	Trizma
		Z	other (specify)

Other

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - Total Metals - Water (EET-ATL)	(EET-ATL)6010D - Boron - Water (EET-ATL)	7470A - Mercury - Water (EET-ATL)	8260D - VOCs - Water (EET-ATL)	Add Phosphorus to All 6010D tests											Total Number of containers	Special Instructions for Receiving: USE EET-ATL (705) JOB FOR LOGIN OF SAMPLES
			Preservation Code:				D	D	D	A													
Regenerated Nano Media (RNM)	2/19/25	2:15pm	G	W	N	N	X	X	X	X	X											4	
Regenerated Swollen Nano Media (RSNM)	2/19/25	2:15pm	G	W	N	N	X	X	X	X	X												

705 21149 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, (II), III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Lee Camp	2/19/25 3:25pm			2.19.25 1525	Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:
		5.6° # 2665

Login Sample Receipt Checklist

Client: Georgia Aquarium Inc

Job Number: 705-21149-1

Login Number: 21149

List Source: Eurofins Atlanta

List Number: 1

Creator: Pomuti, Carmen

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	Headspace larger than 1/4".
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

END OF REPORT