

7/6/2023

Hydro-Environmental Technology, Inc.
Mr. Stewart Stover, Jr.
91 Apollo Rd
Scott, LA, 70583

Ref: Report Number: 23-172-0025
Project Description: Gamble
Project Number: 8070.00
Longstreet, LA

Dear Mr. Stewart Stover, Jr.:

Waypoint Analytical Louisiana, Inc. received sample(s) on 6/21/2023 for the analyses presented in the following report. The above referenced project has been analyzed per your instructions. Unless otherwise noted, the analyses were performed in our laboratory in accordance with Standard Methods, The Solid Waste Manual SW-846, EPA Methods for Chemical Analysis of Water and Wastes and /or 40 CFR part 136.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance. Analyses reported which indicate "Field" for these parameters were analyzed by the client in the field. Results for solid samples are reported on an as received or "wet weight" basis unless otherwise specified.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

All quality control measures undertaken in accordance with Waypoint Analytical Louisiana, Inc. CompQAP990807A and revisions under the terms of the Louisiana Environmental Laboratory Accreditation Program (Certificate #02041) are within acceptance ranges established in that document with the exception of the items indicated and/or discussed in a Case Narrative.

The results are shown on the attached analysis sheet(s). Be aware that the time analyzed for certain samples (e.g. - BOD, CBOD, etc.) refer to the time the sample batch was begun and not necessarily to the time an individual sample was begun. Thank you for allowing Waypoint Analytical Louisiana, Inc. to serve you. Should I be of further assistance, if you have any questions or need additional information please contact me or client services.

Sincerely,



Amy Jackson
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis. This report may be reproduced in full only with the written permission of the laboratory and/or the entity to which it is addressed. Results contained herein relate only to the sample(s) submitted to the laboratory.



Certification Summary

Laboratory ID: WP MLA: Waypoint Analytical Louisiana, Inc., Marrero, LA

State	Program	Lab ID	Expiration Date
Georgia	State Program	02041	06/30/2024
Louisiana	State Program - NELAP	02041	06/30/2024

Sample Summary Table

Report Number: 23-172-0025
Client Project Description: Gamble
Project Number: 8070.00
Longstreet, LA

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
55396	239274 B-1 (8-10')	Solids	06/19/2023 11:45	06/21/2023
55397	239274 B-2 (8-10')	Solids	06/19/2023 12:20	06/21/2023
55398	239274 B-3 (8-10')	Solids	06/19/2023 13:00	06/21/2023
55399	239592 B-1 (8-10')	Solids	06/19/2023 14:05	06/21/2023
55400	239592 SB-2R (8-10')	Solids	06/19/2023 14:35	06/21/2023
55401	239592 B-2 (8-10')	Solids	06/19/2023 15:25	06/21/2023
55402	240037 SB-2R (0-2')	Solids	06/20/2023 08:20	06/21/2023
55403	240037 SB-2R (6-8')	Solids	06/20/2023 08:30	06/21/2023
55404	240037 SB-2R (8-10')	Solids	06/20/2023 08:35	06/21/2023
55405	240037 SB-2R (10-12')	Solids	06/20/2023 08:40	06/21/2023
55406	240037 B-1 (0-2')	Solids	06/20/2023 08:45	06/21/2023
55407	240037 B-2 (0-2')	Solids	06/20/2023 08:55	06/21/2023
55408	240037 B-3 (0-2')	Solids	06/20/2023 09:30	06/21/2023
55409	240035 MW-1R (6-8')	Solids	06/20/2023 10:45	06/21/2023
55410	240035 MW-1R (8-10')	Solids	06/20/2023 11:05	06/21/2023
55411	240035 MW-1R (10-12')	Solids	06/20/2023 11:05	06/21/2023
55412	240035 MW-1R (12-14')	Solids	06/20/2023 11:25	06/21/2023
55413	240035 B-1 (0-2')	Solids	06/20/2023 11:35	06/21/2023
55414	240035 B-1 (8-10')	Solids	06/20/2023 11:40	06/21/2023
55415	240035 SB-2R (8-10')	Solids	06/20/2023 12:10	06/21/2023
55416	240035 B-2 (8-10')	Solids	06/20/2023 12:35	06/21/2023
55417	240035 B-3 (0-2')	Solids	06/20/2023 12:50	06/21/2023
55418	240035 B-3 (8-10')	Solids	06/20/2023 13:00	06/21/2023
55419	240035 B-4 (0-2')	Solids	06/20/2023 13:10	06/21/2023
55420	Field Duplicate	Solids	06/20/2023 11:10	06/21/2023
55421	Field Duplicate 2	Solids	06/20/2023 13:15	06/21/2023



Sample Summary Table

Report Number: 23-172-0025
Client Project Description: Gamble
Project Number: 8070.00
Longstreet, LA

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
55422	Equipment Blank	Aqueous	06/20/2023 11:10	06/21/2023
55423	Equipment Blank 2	Aqueous	06/20/2023 13:15	06/21/2023
55425	239592 SB-2R (8-10')	TCLP	06/19/2023 14:35	06/21/2023
56386	240037 SB-2R (8-10')	Solids	06/20/2023 08:35	06/21/2023
56387	240035 B-1 (8-10')	Solids	06/20/2023 11:40	06/21/2023
56388	240035 SB-2R (8-10')	Solids	06/20/2023 12:10	06/21/2023



Client: Hydro-Environmental Technology, Inc.
Project: Gamble
Lab Report Number: 23-172-0025
Date: 7/6/2023

CASE NARRATIVE

Methods

Methods reported as 29B are from the Laboratory Procedures for Analysis of Exploration & Production Waste – LDNR Office of Conservation Injection and Mining Division – Revised 11/2011.

Results

- 6010D/7471A metals are reported AR - As Received by adjusting the data using the percent moisture result.
- True Total Barium results are reported dry weight
- Oil & Grease results reported dry weight
- TX1006 results are reported as received
- VPH/EPH results reported as received
- PAH results reported as received

Metals Analysis Method 6010D

Sample 55412 (240035 MW-1R (12-14'))

QC Batch No: A83656/A83580/A83545

One or more Internal Standards are outside method acceptance criteria. Re-analysis and/or sample dilutions are required.

Sample 55410 (240035 MW-1R (8-10'))

Analyte: Barium

QC Batch No: A83656/A83580/A83545

Relative Percent Difference (RPD) for the duplicate analysis was outside of the allowable QC limits.

Sample 55410 (240035 MW-1R (8-10'))

Analyte: Barium

QC Batch No: A83656/A83580/A83545

The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A post digestion spike was performed and passed quality control acceptance ranges. No matrix interference is suspected.

Sample 55419 (240035 B-4 (0-2'))

Analyte: Barium

QC Batch No: A83656/A83582/A83546

The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A dilution test was performed and passed quality control acceptance ranges. No matrix interference is suspected.



Sample 55040 (SS-169 (2-4'))

Analyte: Barium

QC Batch No: A83683/A83625

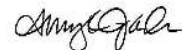
The matrix spike and/or the matrix spike duplicate was outside quality control acceptance ranges. A dilution test was performed and passed quality control acceptance ranges. No matrix interference is suspected.

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Report Number : **23-172-0025**

REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55396**

Matrix: **Solids**

Sample ID : **239274 B-1 (8-10')**

Sampled: **6/19/2023 11:45**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	13.9	%		1	06/23/23 15:20	TIS	SW-DRYWT
Total Barium	25.3	mg/Kg AR	0.500	1	06/26/23 18:58	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55397**

Matrix: **Solids**

Sample ID : **239274 B-2 (8-10')**

Sampled: **6/19/2023 12:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	14.5	%		1	06/23/23 15:20	TIS	SW-DRYWT
Total Barium	34.4	mg/Kg AR	0.500	1	06/26/23 19:02	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

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Amy Jackson
Project Manager

Lab No : **55398**

Matrix: **Solids**

Sample ID : **239274 B-3 (8-10')**

Sampled: **6/19/2023 13:00**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	14.4	%		1	06/23/23 15:20	TIS	SW-DRYWT
Total Barium	39.6	mg/Kg AR	0.500	1	06/26/23 19:06	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55399**

Matrix: **Solids**

Sample ID : **239592 B-1 (8-10')**

Sampled: **6/19/2023 14:05**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	19.8	%		1	06/23/23 15:20	TIS	SW-DRYWT
Total Barium	132	mg/Kg AR	0.500	1	06/26/23 19:10	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55400**

Matrix: **Solids**

Sample ID : **239592 SB-2R (8-10')**

Sampled: **6/19/2023 14:35**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	24.3	%		1	06/23/23 15:20	TIS	SW-DRYWT
Total Barium	389	mg/Kg AR	0.500	1	06/27/23 19:59	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55401**

Matrix: **Solids**

Sample ID : **239592 B-2 (8-10')**

Sampled: **6/19/2023 15:25**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	20.3	%		1	06/23/23 15:20	TIS	SW-DRYWT
Total Barium	380	mg/Kg AR	0.500	1	06/26/23 19:14	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55402**

Matrix: **Solids**

Sample ID : **240037 SB-2R (0-2')**

Sampled: **6/20/2023 8:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	12.1	%		1	06/23/23 15:20	TIS	SW-DRYWT
Total Barium	229	mg/Kg AR	0.500	1	06/26/23 19:18	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55403**

Matrix: **Solids**

Sample ID : **240037 SB-2R (6-8')**

Sampled: **6/20/2023 8:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	15.4	%		1	06/23/23 15:20	TIS	SW-DRYWT
Total Barium	51.9	mg/Kg AR	0.500	1	06/26/23 19:22	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

09996

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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55404**

Matrix: **Solids**

Sample ID : **240037 SB-2R (8-10')**

Sampled: **6/20/2023 8:35**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	16.8	%		1	06/23/23 15:20	TIS	SW-DRYWT
Total Barium	668	mg/Kg AR	0.500	1	06/26/23 19:26	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

09996

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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55405**

Matrix: **Solids**

Sample ID : **240037 SB-2R (10-12')**

Sampled: **6/20/2023 8:40**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	16.6	%		1	06/23/23 15:20	TIS	SW-DRYWT
Total Barium	77.7	mg/Kg AR	0.500	1	06/26/23 19:39	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

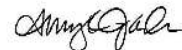
Method Quantitation Limit

09996

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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55406**

Matrix: **Solids**

Sample ID : **240037 B-1 (0-2')**

Sampled: **6/20/2023 8:45**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	11.9	%		1	06/23/23 16:13	TIS	SW-DRYWT
Total Barium	37.0	mg/Kg AR	0.500	1	06/26/23 19:43	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

09996

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Project Gamble
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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55407**

Matrix: **Solids**

Sample ID : **240037 B-2 (0-2')**

Sampled: **6/20/2023 8:55**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	16.8	%		1	06/23/23 16:13	TIS	SW-DRYWT
Total Barium	96.9	mg/Kg AR	0.500	1	06/26/23 19:47	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

09996

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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55408**

Matrix: **Solids**

Sample ID : **240037 B-3 (0-2')**

Sampled: **6/20/2023 9:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	18.3	%		1	06/23/23 16:13	TIS	SW-DRYWT
Total Barium	35.7	mg/Kg AR	0.500	1	06/26/23 19:51	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

09996

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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55409**

Matrix: **Solids**

Sample ID : **240035 MW-1R (6-8')**

Sampled: **6/20/2023 10:45**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	11.3	%		1	06/23/23 16:13	TIS	SW-DRYWT
Total Barium	19.9	mg/Kg AR	0.500	1	06/26/23 19:55	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55410**

Matrix: **Solids**

Sample ID : **240035 MW-1R (8-10')**

Sampled: **6/20/2023 11:05**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	14.8	%		1	06/23/23 16:13	TIS	SW-DRYWT
Total Barium	27.0	mg/Kg AR	0.500	1	06/26/23 19:59	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55411**

Matrix: **Solids**

Sample ID : **240035 MW-1R (10-12')**

Sampled: **6/20/2023 11:05**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	19.8	%		1	06/23/23 16:13	TIS	SW-DRYWT
Total Barium	146	mg/Kg AR	0.500	1	06/26/23 20:28	APB	6010D

Qualifiers/ Definitions

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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55412**

Matrix: **Solids**

Sample ID : **240035 MW-1R (12-14')**

Sampled: **6/20/2023 11:25**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	18.4	%		1	06/23/23 16:13	TIS	SW-DRYWT
Total Barium	234	mg/Kg AR	2.50	5	06/27/23 11:58	APB	6010D

Qualifiers/ Definitions

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Amy Jackson
Project Manager

Lab No : **55413**

Matrix: **Solids**

Sample ID : **240035 B-1 (0-2')**

Sampled: **6/20/2023 11:35**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	16.0	%		1	06/23/23 16:13	TIS	SW-DRYWT
Total Barium	43.9	mg/Kg AR	0.500	1	06/26/23 20:36	APB	6010D

Qualifiers/ Definitions

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REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55414**

Matrix: **Solids**

Sample ID : **240035 B-1 (8-10')**

Sampled: **6/20/2023 11:40**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	20.2	%		1	06/23/23 16:13	TIS	SW-DRYWT
Total Barium	888	mg/Kg AR	0.500	1	06/26/23 20:40	APB	6010D

Qualifiers/ Definitions

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Report Number : **23-172-0025**

REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55415**

Matrix: **Solids**

Sample ID : **240035 SB-2R (8-10')**

Sampled: **6/20/2023 12:10**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	22.7	%		1	06/23/23 16:13	TIS	SW-DRYWT
Total Barium	872	mg/Kg AR	0.500	1	06/26/23 20:45	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

09996

Hydro-Environmental Technology, Inc.
Mr. Stewart Stover, Jr.
91 Apollo Rd
Scott, LA 70583

Project Gamble
Information : Project Number: 8070.00
Longstreet, LA

Report Date : 07/06/2023
Received : 06/21/2023



Report Number : **23-172-0025**

REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55416**

Matrix: **Solids**

Sample ID : **240035 B-2 (8-10')**

Sampled: **6/20/2023 12:35**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	15.9	%		1	06/23/23 16:24	TIS	SW-DRYWT
Total Barium	72.2	mg/Kg AR	0.500	1	06/26/23 21:01	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

09996

Hydro-Environmental Technology, Inc.
Mr. Stewart Stover, Jr.
91 Apollo Rd
Scott, LA 70583

Project Gamble
Information : Project Number: 8070.00
Longstreet, LA

Report Date : 07/06/2023
Received : 06/21/2023



Report Number : **23-172-0025**

REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55417**

Matrix: **Solids**

Sample ID : **240035 B-3 (0-2')**

Sampled: **6/20/2023 12:50**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	15.0	%		1	06/23/23 16:24	TIS	SW-DRYWT
Total Barium	34.1	mg/Kg AR	0.500	1	06/26/23 21:05	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

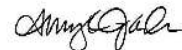
Method Quantitation Limit

09996

Hydro-Environmental Technology, Inc.
Mr. Stewart Stover, Jr.
91 Apollo Rd
Scott , LA 70583

Project Gamble
Information : Project Number: 8070.00
Longstreet, LA

Report Date : 07/06/2023
Received : 06/21/2023



Report Number : **23-172-0025**

REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55418**

Matrix: **Solids**

Sample ID : **240035 B-3 (8-10')**

Sampled: **6/20/2023 13:00**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	13.0	%		1	06/23/23 16:24	TIS	SW-DRYWT
Total Barium	49.8	mg/Kg AR	0.500	1	06/26/23 21:18	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

09996

Hydro-Environmental Technology, Inc.
Mr. Stewart Stover, Jr.
91 Apollo Rd
Scott, LA 70583

Project Gamble
Information : Project Number: 8070.00
Longstreet, LA

Report Date : 07/06/2023
Received : 06/21/2023



Report Number : **23-172-0025**

REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55419**

Matrix: **Solids**

Sample ID : **240035 B-4 (0-2')**

Sampled: **6/20/2023 13:10**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	11.3	%		1	06/23/23 16:24	TIS	SW-DRYWT
Total Barium	62.8	mg/Kg AR	0.500	1	06/26/23 21:22	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

09996

Hydro-Environmental Technology, Inc.
Mr. Stewart Stover, Jr.
91 Apollo Rd
Scott , LA 70583

Project Gamble
Information : Project Number: 8070.00
Longstreet, LA

Report Date : 07/06/2023
Received : 06/21/2023



Report Number : **23-172-0025**

REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55420**

Matrix: **Solids**

Sample ID : **Field Duplicate**

Sampled: **6/20/2023 11:10**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	11.9	%		1	06/23/23 16:24	TIS	SW-DRYWT
Total Barium	42.7	mg/Kg AR	0.500	1	06/26/23 21:42	APB	6010D

Qualifiers/ Definitions

DF Dilution Factor

MQL Method Quantitation Limit

09996

Hydro-Environmental Technology, Inc.
Mr. Stewart Stover, Jr.
91 Apollo Rd
Scott, LA 70583

Project Gamble
Information : Project Number: 8070.00
Longstreet, LA

Report Date : 07/06/2023
Received : 06/21/2023



Report Number : **23-172-0025**

REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55421**

Matrix: **Solids**

Sample ID : **Field Duplicate 2**

Sampled: **6/20/2023 13:15**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
% Moisture	11.1	%		1	06/23/23 16:24	TIS	SW-DRYWT
Total Barium	83.5	mg/Kg AR	0.500	1	06/26/23 21:46	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

09996

Hydro-Environmental Technology, Inc.
Mr. Stewart Stover, Jr.
91 Apollo Rd
Scott, LA 70583

Project Gamble

Information : Project Number: 8070.00
Longstreet, LA

Report Date : 07/06/2023
Received : 06/21/2023



Report Number : **23-172-0025**

REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55422**

Sample ID : **Equipment Blank**

Matrix: **Aqueous**

Sampled: **6/20/2023 11:10**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	0.072	mg/L	0.010	1	06/23/23 14:22	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

09996

Hydro-Environmental Technology, Inc.
Mr. Stewart Stover, Jr.
91 Apollo Rd
Scott, LA 70583

Project Gamble

Information : Project Number: 8070.00
Longstreet, LA

Report Date : 07/06/2023
Received : 06/21/2023



Report Number : **23-172-0025**

REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55423**

Sample ID : **Equipment Blank 2**

Matrix: **Aqueous**
Sampled: **6/20/2023 13:15**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	0.015	mg/L	0.010	1	06/23/23 14:26	APB	6010D

Qualifiers/ Definitions

DF Dilution Factor

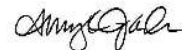
MQL Method Quantitation Limit

09996

Hydro-Environmental Technology, Inc.
Mr. Stewart Stover, Jr.
91 Apollo Rd
Scott, LA 70583

Project Gamble
Information : Project Number: 8070.00
Longstreet, LA

Report Date : 07/06/2023
Received : 06/21/2023



Report Number : **23-172-0025**

REPORT OF ANALYSIS

Amy Jackson
Project Manager

Lab No : **55425**

Matrix: **TCLP**

Sample ID : **239592 SB-2R (8-10')**

Sampled: **6/19/2023 14:35**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
SPLP Extraction	Leachate			1	06/27/23 16:00	AJA	1312
SPLP Barium	0.0863	mg/L	0.0250	1	06/29/23 12:09	APB	6010D

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

Quality Control Data

Client ID: Hydro-Environmental Technology, Inc.
Project Description: Gamble
Report No: 23-172-0025

QC Prep: A83554 **QC Analytical Batch(es):** A83620
QC Prep Batch Method: 3005A **Analysis Method:** 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-A83554 Matrix: AQU
Associated Lab Samples: 55422, 55423

Parameter	Units	Blank Result	MQL	Analyzed
Barium	mg/L	< 0.010	0.010	06/23/23 13:41

Laboratory Control Sample & LCSD LCS-A83554 LCSD-A83554

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Barium	mg/L	1.00	1.00	1.03	100	103	80-120	2.9	20.0

Matrix Spike & Matrix Spike Duplicate A 55212-MS-A83554 A 55212-MSD-A83554

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Barium	mg/L	0.528	1.00	1.00	1.59	1.60	106	107	75-125	0.6	20.0

Quality Control Data

Client ID: Hydro-Environmental Technology, Inc.

Project Description: Gamble

Report No: 23-172-0025

QC Prep:	A83580	QC Analytical Batch(es):	A83656
QC Prep Batch Method:	3050B	Analysis Method:	6010D
		Analysis Description:	Metals Analysis

Lab Reagent Blank LRB-A83580 Matrix: SOL
Associated Lab Samples: 55396, 55397, 55398, 55399, 55401, 55402, 55403, 55404, 55405, 55406, 55407, 55408, 55409, 55410, 55411, 55412, 55413, 55414, 55415

Parameter	Units	Blank Result	MQL	Analyzed
Total Barium	mg/Kg AR	< 0.500	0.500	06/26/23 18:37

Laboratory Control Sample & LCSD LCS-A83580 LCSD-A83580

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Total Barium	mg/Kg AR	50.0	46.3	46.7	93.0	93.0	80-120	0.8	20.0

Matrix Spike & Matrix Spike Duplicate A 55410-A83545-MS-A83580 A 55410-A83545-MSD-A83580

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Total Barium	mg/Kg AR	27.0	49.7	49.3	265	81.7	479*	111	75-125	106*	20.0

Quality Control Data

Client ID: Hydro-Environmental Technology, Inc.
Project Description: Gamble
Report No: 23-172-0025

QC Prep: A83582 **QC Analytical Batch(es):** A83656
QC Prep Batch Method: 3050B **Analysis Method:** 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-A83582 Matrix: SOL
Associated Lab Samples: 55416, 55417, 55418, 55419, 55420, 55421

Parameter	Units	Blank Result	MQL	Analyzed
Total Barium	mg/Kg AR	< 0.500	0.500	06/26/23 20:49

Laboratory Control Sample & LCSD LCS-A83582 LCSD-A83582

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Total Barium	mg/Kg AR	50.0	45.4	45.2	91.0	90.0	80-120	0.4	20.0

Matrix Spike & Matrix Spike Duplicate A 55419-A83546-MS-A83582 A 55419-A83546-MSD-A83582

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Total Barium	mg/Kg AR	62.8	49.9	48.7	124	132	123	142*	75-125	6.2	20.0

Quality Control Data

Client ID: Hydro-Environmental Technology, Inc.
Project Description: Gamble
Report No: 23-172-0025

QC Prep: A83625 **QC Analytical Batch(es):** A83683,A83684
QC Prep Batch Method: 3050B **Analysis Method:** 6010D
Analysis Description: Metals Analysis

Laboratory Control Sample & LCSD LCS-A83625 LCSD-A83625

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Total Barium	mg/Kg AR	50.0	50.5	49.9	101	100	80-120	1.1	20.0

Matrix Spike & Matrix Spike Duplicate A 55040-A83412-MS-A83625 A 55040-A83412-MSD-A83625

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Total Barium	mg/Kg AR	182	49.9	49.4	338	244	313*	125	75-125	32.3*	20.0

Quality Control Data

Client ID: Hydro-Environmental Technology, Inc.

Project Description: Gamble

Report No: 23-172-0025

QC Prep: A83695

QC Prep Batch Method: 3005A

QC Analytical Batch(es): A83740

Analysis Method: 6010D

Analysis Description: Metals Analysis (SPLP)

Lab Reagent Blank

LRB-A83695

Matrix: TCL

Associated Lab Samples: 55425

Parameter	Units	Blank Result	MQL	Analyzed
SPLP Barium	mg/L	< 0.0250	0.0250	06/29/23 11:56

Laboratory Control Sample & LCSD

LCS-A83695

LCSD-A83695

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
SPLP Barium	mg/L	1.00	1.05	1.06	105	106	80-120	0.9	20.0

Matrix Spike & Matrix Spike Duplicate

A 55425-MS-A83695

A 55425-MSD-A83695

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
SPLP Barium	mg/L	0.0863	1.00	1.00	1.11	1.10	102	101	75-125	0.9	20.0



Quality Control Data

Client ID: Hydro-Environmental Technology, Inc.
Project Description: Gamble
Report No: 23-172-0025

QC Analytical Batch: A83557
Analysis Method: SW-DRYWT
Analysis Description: Dry Weight Determination

Duplicate A 55396-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
% Moisture	%	13.9	13.3	4.4	20.0	06/23/23 15:20



Quality Control Data

Client ID: Hydro-Environmental Technology, Inc.
Project Description: Gamble
Report No: 23-172-0025

QC Analytical Batch: A83558
Analysis Method: SW-DRYWT
Analysis Description: Dry Weight Determination

Duplicate A 55406-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
% Moisture	%	11.9	12.2	2.4	20.0	06/23/23 16:13

Quality Control Data

Client ID: Hydro-Environmental Technology, Inc.
Project Description: Gamble
Report No: 23-172-0025

QC Analytical Batch: A83559
Analysis Method: SW-DRYWT
Analysis Description: Dry Weight Determination

Duplicate A 55416-DUP

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
% Moisture	%	15.9	15.8	0.6	20.0	06/23/23 16:24

Shipment Receipt Form

Customer Number: **09996**

Customer Name: **Hydro-Environmental Technology, Inc.**

Report Number: **23-172-0025**

Shipping Method

☐ Fed Ex	☐ US Postal	☒ Lab	☐ Other :	
☐ UPS	☐ Client	☐ Courier	Thermometer ID:	IR 1

Shipping container/cooler uncompromised?	☒ Yes	☐ No
Number of coolers/boxes received	1	
Custody seals intact on shipping container/cooler?	☐ Yes	☐ No ☒ Not Present
Custody seals intact on sample bottles?	☐ Yes	☐ No ☒ Not Present
Chain of Custody (COC) present?	☒ Yes	☐ No
COC agrees with sample label(s)?	☒ Yes	☐ No
COC properly completed	☒ Yes	☐ No
Samples in proper containers?	☒ Yes	☐ No
Sample containers intact?	☒ Yes	☐ No
Sufficient sample volume for indicated test(s)?	☒ Yes	☐ No
All samples received within holding time?	☒ Yes	☐ No
Cooler temperature in compliance?	☒ Yes	☐ No
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	☒ Yes	☐ No
Water - Sample containers properly preserved	☐ Yes	☐ No ☒ N/A
Water - VOA vials free of headspace	☐ Yes	☐ No ☒ N/A
Trip Blanks received with VOAs	☐ Yes	☐ No ☒ N/A
Soil VOA method 5035 – compliance criteria met	☐ Yes	☐ No ☒ N/A
☐ High concentration container (48 hr)	☐ Low concentration EnCore samplers (48 hr)	
☐ High concentration pre-weighed (methanol -14 d)	☐ Low conc pre-weighed vials (Sod Bis -14 d)	
Special precautions or instructions included?	☐ Yes	☒ No

Comments:

Signature:

Christina R. Varuso

Date & Time:

06/21/2023 16:00:27



HYDRO-ENVIRONMENTAL TECHN
Environmental Consulta
P.O. Box 60295
Lafayette, LA 70596-02
Phone (337) 261-1963 FAX (337)



Hydro-Environmental Technology, Inc.
Gamble

23-172-0025
09996
06-21-2023
15:58:38

SAMPLE CHAIN-OF-CUSTODY RECORD

Project Name: Gamble Laboratory: Waypoint
Project Number: 8070.00 Collected By: EM
Project Location: Longstreet, LA Company: Hydro-Environmental Technology, Inc.
Date: 6/19/2023

Sample I.D.	Type	Date/Time Sampled	Containers	Analysis Requested/Method	Comments
239274 B-1 (8-10') 55396	SO	6/19/2023 11:45	(1) 16oz Glass	Total Barium	4°C
239274 B-2 (8-10') 55397	SO	6/19/2023 12:20	(1) 16oz Glass	Total Barium	4°C
239274 B-3 (8-10') 55398	SO	6/19/2023 13:00	(1) 16oz Glass	Total Barium	4°C
239592 B-1 (8-10') 55399	SO	6/19/2023 14:20 14:05	(1) 16oz Glass	Total Barium	4°C
239592 SB-2R (8-10') 55400, 55425	SO	6/19/2023 14:35	(1) 16oz Glass	Total Barium, SPLP Barium	4°C
239592 B-2 (8-10') 55401	SO	6/19/2023 15:25	(1) 16oz Glass	Total Barium	4°C

Hold for possible additional analysis

Relinquished By: Gene Mauter
Date/Time: 6/21/23 8:10

Received By: P. Howard
Date/Time: 6/21/23 8:10

Relinquished By: P. Howard
Date/Time: 6/21/23 9:55

Received By: Kathy Hendrix
Date/Time: 6/21/23 0956
Relinquished By: Kathy Hendrix
Date/Time: 6/21/23 1251

Analysis Due: Verbal:

Written:

Rec'd By: [Signature] 6/21/23 1251
Relinquished By: [Signature] 6/21/23 1451
Rec'd By: [Signature] 6/21/23 1451



HYDRO-ENVIRONMENTAL TECHNOLOGY, INC.
Environmental Consultants
P.O. Box 60295
Lafayette, LA 70596-0295
Phone (337) 261-1963 FAX (337) 261-1953

SAMPLE CHAIN-OF-CUSTODY RECORD

Project Name: Gamble **Laboratory:** Waypoint
Project Number: 8070.00 **Collected By:** EM
Project Location: Longstreet, LA **Company:** Hydro-Environmental Technology, Inc.
Date: 6/19/2023

Sample I.D.	Type	Date/Time Sampled	Containers	Analysis Requested/Method	Comments
240037 SB-2R (0-2') 55402	SO	6/20/2023 8:20	(1) 16oz Glass	Total Barium	4°C
240037 SB-2R (6-8') 55403	SO	6/20/2023 8:30	(1) 16oz Glass	Total Barium	4°C
240037 SB-2R (8-10') 55404	SO	6/20/2023 8:35	(1) 16oz Glass	Total Barium	4°C
240037 SB-2R (10-12') 55405	SO	6/20/2023 8:40	(1) 16oz Glass	Total Barium	4°C
240037 B-1 (0-2') 55406	SO	6/20/2023 8:45	(1) 16oz Glass	Total Barium	4°C
240037 B-2 (0-2') 55407	SO	6/20/2023 8:55	(1) 16oz Glass	Total Barium	4°C

Hold for possible additional analysis

Relinquished By: <u>Eric Mauterano</u>	Received By: <u>P. Howard</u>
Date/Time: <u>6/21/23 8:14</u>	Date/Time: <u>6/21/23 8:10</u>
Relinquished By: <u>P. Howard</u>	Received By: <u>Kathy Underlin</u>
Date/Time: <u>6/21/23 9:55</u>	Date/Time: <u>06/21/23 09:50</u>

Relinquished By: Kathy Underlin
Date/Time: 06/21/23 12:51

Analysis Due: Verbal: _____ Written: _____

Rec'd By: [Signature] 6/21/23 12:51
Rec'd By: [Signature] 6/21/23 14:51
Relinquished By: [Signature] 6/21/23 14:51
Page 46 of 50



HYDRO-ENVIRONMENTAL TECHNOLOGY, INC.
Environmental Consultants
P.O. Box 60295
Lafayette, LA 70596-0295
Phone (337) 261-1963 FAX (337) 261-1953

SAMPLE CHAIN-OF-CUSTODY RECORD

Project Name: Gamble **Laboratory:** Waypoint
Project Number: 8070.00 **Collected By:** EM
Project Location: Longstreet, LA **Company:** Hydro-Environmental Technology, Inc.
Date: 6/19/2023

Sample I.D.	Type	Date/Time Sampled	Containers	Analysis Requested/Method	Comments
240037 B-3 (0-2') 55408	SO	6/20/2023 9:30	(1) 16oz Glass	Total Barium	4°C
240035 MW-1R (6-8') 55409	SO	6/20/2023 10:45	(1) 16oz Glass	Total Barium	4°C
240035 MW-1R (8-10') 55410	SO	6/20/2023 11:05	(1) 16oz Glass	Total Barium	4°C
240035 MW-1R (10-12') 55411	SO	6/20/2023 11:05	(1) 16oz Glass	Total Barium	4°C
240035 MW-1R (12-14') 55412	SO	6/20/2023 11:25	(1) 16oz Glass	Total Barium	4°C
240035 B-1 (0-2') 55413	SO	6/20/2023 11:35	(1) 16oz Glass	Total Barium	4°C

Hold for possible additional analysis

Relinquished By: Eric Mauter
Date/Time: 6/21/23 810

Received By: P. Howard
Date/Time: 6/21/23 810

Relinquished By: P. Howard
Date/Time: 6/21/23 9:55

Received By: Kathy Hendrix
Date/Time: 06/21/23 0956

Relinquished By: Kathy Hendrix
Date/Time: 06/21/23 1257

Analysis Due: Verbal:

Written:

Rec'd by: [Signature] 6/21/23 1257
Rec'd by: [Signature] 6/21/23 1457

Relinquished By: [Signature] 6/21/23 1457



HYDRO-ENVIRONMENTAL TECHNOLOGY, INC.
Environmental Consultants
P.O. Box 60295
Lafayette, LA 70596-0295
Phone (337) 261-1963 FAX (337) 261-1953

SAMPLE CHAIN-OF-CUSTODY RECORD

Project Name: Gamble **Laboratory:** Waypoint
Project Number: 8070.00 **Collected By:** EM
Project Location: Longstreet, LA **Company:** Hydro-Environmental Technology, Inc.
Date: 6/19/2023

Sample I.D.	Type	Date/Time Sampled	Containers	Analysis Requested/Method	Comments
240035 B-1 (8-10') 55414	SO	6/20/2023 11:40	(1) 16oz Glass	Total Barium	4°C
240035 SB-2R (8-10') 55415	SO	6/20/2023 12:10	(1) 16oz Glass	Total Barium	4°C
240035 B-2 (8-10') 55416	SO	6/20/2023 12:35	(1) 16oz Glass	Total Barium	4°C
240035 B-3 (0-2') 55417	SO	6/20/2023 12:50	(1) 16oz Glass	Total Barium	4°C
240035 B-3 (8-10') 55418	SO	6/20/2023 13:00	(1) 16oz Glass	Total Barium	4°C
240035 B-4 (0-2') 55419	SO	6/20/2023 13:10	(1) 8oz Glass	Total Barium	4°C

Hold for possible additional analysis

Relinquished By: <u>Eric M. Cantelero</u>	Received By: <u>P. Howard</u>
Date/Time: <u>6/21/23 810</u>	Date/Time: <u>6/21/23 810</u>
Relinquished By: <u>P. Howard</u>	Received By: <u>Kathy Hendrix</u>
Date/Time: <u>6/21/23 9:55</u>	Date/Time: <u>6/21/23 0956</u>
	Relinquished By: <u>Kathy Hendrix</u>
	Date/Time: <u>6/21/23 1251</u>

Analysis Due: Verbal: _____ Written: _____

Rec'd By: [Signature] 6/21/23 1257 Relinquished By: [Signature] 6/21/23 1451
Rec'd By: [Signature] 6/21/23 1451



HYDRO-ENVIRONMENTAL TECHNOLOGY, INC.
Environmental Consultants
P.O. Box 60295
Lafayette, LA 70596-0295
Phone (337) 261-1963 FAX (337) 261-1953

SAMPLE CHAIN-OF-CUSTODY RECORD

Project Name: Gamble **Laboratory:** Waypoint
Project Number: 8070.00 **Collected By:** EM
Project Location: Longstreet, LA **Company:** Hydro-Environmental Technology, Inc.
Date: 6/19/2023

Sample I.D.	Type	Date/Time Sampled	Containers	Analysis Requested/Method	Comments
Field Duplicate 55420	SO	6/20/2023 11:10	(1) 8oz Glass	Total Barium	4°C
Matrix Spike 55410	SO	6/20/2023 11:15	(1) 8oz Glass	Total Barium	4°C
Matrix Spike Duplicate 55421	SO	6/20/2023 11:20	(1) 8oz Glass	Total Barium	4°C
Field Duplicate 2 55421	SO	6/20/2023 13:15	(1) 4oz Glass	Total Barium	4°C
Matrix Spike 2 55414	SO	6/20/2023 13:20	(1) 4oz Glass	Total Barium	4°C
Matrix Spike 2 Duplicate 55419	SO	6/20/2023 13:25	(1) 4oz Glass	Total Barium	4°C

Hold for possible additional analysis

Relinquished By: Eric Matthews
Date/Time: 6/21/23 8:10

Received By: P. Howard
Date/Time: 6/21/23 8:10

Relinquished By: P. Howard
Date/Time: 6/21/23 9:55

Received By: Kathy Hendrix Relinquished By: Kathy Hendrix
Date/Time: 06/21/23 09:56 Date/Time: 06/21/23 12:57

Analysis Due: Verbal:

Written:

Rec'd By: [Signature]
Rec'd By: [Signature] 6/21/23 14:51

Relinquished By: [Signature] 6/21/23 14:57
Page 5 of 6



HYDRO-ENVIRONMENTAL TECHNOLOGY, INC.
Environmental Consultants
P.O. Box 60295
Lafayette, LA 70596-0295
Phone (337) 261-1963 FAX (337) 261-1953

SAMPLE CHAIN-OF-CUSTODY RECORD

Project Name: Gamble **Laboratory:** Waypoint
Project Number: 8070.00 **Collected By:** EM
Project Location: Longstreet, LA **Company:** Hydro-Environmental Technology, Inc.
Date: 6/19/2023

Sample I.D.	Type	Date/Time Sampled	Containers	Analysis Requested/Method	Comments
Equipment Blank 55422	AQ	6/19/2023 11:15	(1) 250mL plastic Nitric	Total Barium	4°C
Equipment Blank 2 55423	AQ	6/20/2023 7:45	(1) 250mL plastic Nitric	Total Barium	4°C

Hold for possible additional analysis

Relinquished By: <u>Eric Wade</u>	Received By: <u>P. Haynes</u>
Date/Time: <u>6/21/23 8:10</u>	Date/Time: <u>6/21/23 8:10</u>
Relinquished By: <u>P. Haynes</u>	Received By: <u>Kathy Hendrix</u>
Date/Time: <u>6/21/23 9:55</u>	Date/Time: <u>6/21/23 0956</u>
	Relinquished By: <u>Kathy Hendrix</u>
	Date/Time: <u>6/21/23 1257</u>

Analysis Due: Verbal: _____ Written: _____

Rec'd By: [Signature] 6/21/23 Relinquished By: [Signature] 6/21/23
Rect'd By: [Signature] 1457 Page 50 of 50 Page 6 of 6

6/23/2023

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport, LA, 71137

Ref: Analytical Testing
Lab Report Number: 23-171-0017
Client Project Description: Gamble Property
Longstreet, Desoto Parish, LA
239274

Dear Mr. Jordy Babineaux:
Waypoint Analytical Mississippi, Inc. received sample(s) on 6/20/2023 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

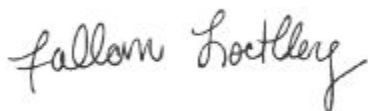
The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Fallon Lockley
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.



Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/29/2024
Arkansas	State Program	88-0650	02/07/2024
California	State Program	2904	06/30/2023
Florida	State Program - NELAP	E871157	06/30/2023
Georgia	State Program	C044	11/14/2025
Georgia	State Program	04015	06/30/2023
Illinois	State Program - NELAP	200078	10/10/2023
Kentucky	State Program	80215	06/30/2023
Kentucky	State Program	KY90047	12/31/2023
Louisiana	State Program - NELAP	LA037	12/31/2023
Louisiana	State Program - NELAP	04015	06/30/2023
Mississippi	State Program	MS	11/14/2025
North Carolina	State Program	47701	07/31/2023
North Carolina	State Program	415	12/31/2023
Pennsylvania	State Program - NELAP	68-03195	05/31/2024
South Carolina	State Program	84002	06/30/2023
Tennessee	State Program	02027	11/14/2025
Texas	State Program - NELAP	T104704180	09/30/2023
Virginia	State Program	00106	06/30/2023
Virginia	State Program - NELAP	460181	09/14/2023

Laboratory ID: WP RMS: Waypoint Analytical Mississippi, Inc., Ridgeland, MS

State	Program	Lab ID	Expiration Date
Arkansas	State Program	88-1409	02/01/2024
Kentucky	State Program	KY98013	12/31/2023
Louisiana	State Program - NELAP	04023	06/30/2023
North Carolina	State Program	694	12/31/2023



Sample Summary Table

Report Number: 23-171-0017
Client Project Description: Gamble Property
Longstreet, Desoto Parish, LA
239274

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
67856	239274 B-1 (8-10')	Solids	06/19/2023 11:45	06/20/2023	6010D	WP MTN
67857	239274 B-2 (8-10')	Solids	06/19/2023 12:20	06/20/2023	6010D	WP MTN
67858	239274 B-3 (8-10')	Solids	06/19/2023 13:00	06/20/2023	6010D	WP MTN

Summary of Detected Analytes

Project: Gamble Property

Report Number: 23-171-0017

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
239274 B-1 (8-10')	G 67856					
6010D	Barium	19.9	mg/Kg	0.500	06/22/2023 23:20	
239274 B-2 (8-10')	G 67857					
6010D	Barium	290	mg/Kg	0.500	06/22/2023 23:35	
239274 B-3 (8-10')	G 67858					
6010D	Barium	22.1	mg/Kg	0.500	06/22/2023 23:41	

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble Property
Information : Longstreet, Desoto Parish, LA
239274

Report Date : 06/23/2023
Received : 06/20/2023

Report Number : **23-171-0017**

REPORT OF ANALYSIS

Lab No : **67856**

Matrix: **Solids**

Sample ID : **239274 B-1 (8-10')**

Sampled: **6/19/2023 11:45**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	19.9	mg/Kg	0.500	1	06/22/23 23:20	TJS	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble Property
Information : Longstreet, Desoto Parish, LA
239274

Report Date : 06/23/2023
Received : 06/20/2023

Report Number : **23-171-0017**

REPORT OF ANALYSIS

Lab No : **67857**

Matrix: **Solids**

Sample ID : **239274 B-2 (8-10')**

Sampled: **6/19/2023 12:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	290	mg/Kg	0.500	1	06/22/23 23:35	TJS	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble Property
Information : Longstreet, Desoto Parish, LA
239274

Report Date : 06/23/2023
Received : 06/20/2023

Report Number : **23-171-0017**

REPORT OF ANALYSIS

Lab No : **67858**

Matrix: **Solids**

Sample ID : **239274 B-3 (8-10')**

Sampled: **6/19/2023 13:00**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	22.1	mg/Kg	0.500	1	06/22/23 23:41	TJS	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

Quality Control Data

Client ID: Approach Environmental, LLC.
Project Description: Gamble Property
Report No: 23-171-0017

QC Prep: L688941 **QC Analytical Batch(es):** L689414
QC Prep Batch Method: 3050B **Analysis Method:** 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L688941 Matrix: SOL
Associated Lab Samples: 67856, 67857, 67858

Parameter	Units	Blank Result	MQL	Analyzed
Barium	mg/Kg	<0.500	0.500	06/22/23 21:42

Laboratory Control Sample LCS-L688941

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Barium	mg/Kg	50.0	50.1	100	80-120

Matrix Spike & Matrix Spike Duplicate L 88215-MS-L688941 L 88215-MSD-L688941

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Barium	mg/Kg	7.23	43.1	43.1	45.0	45.8	88.0	90.0	75-125	1.7	20

Shipment Receipt Form

Customer Number: **01367**

Customer Name: **Approach Environmental, LLC.**

Report Number: **23-171-0017**

Shipping Method

☐ Fed Ex	☐ US Postal	☒ Lab	☐ Other :	
☐ UPS	☐ Client	☐ Courier	Thermometer ID:	IR Gun #4

Shipping container/cooler uncompromised?	☒ Yes	☐ No
Number of coolers/boxes received	1	
Custody seals intact on shipping container/cooler?	☐ Yes	☐ No ☒ Not Present
Custody seals intact on sample bottles?	☐ Yes	☐ No ☒ Not Present
Chain of Custody (COC) present?	☒ Yes	☐ No
COC agrees with sample label(s)?	☒ Yes	☐ No
COC properly completed	☒ Yes	☐ No
Samples in proper containers?	☒ Yes	☐ No
Sample containers intact?	☒ Yes	☐ No
Sufficient sample volume for indicated test(s)?	☒ Yes	☐ No
All samples received within holding time?	☒ Yes	☐ No
Cooler temperature in compliance?	☒ Yes	☐ No
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	☒ Yes	☐ No
Water - Sample containers properly preserved	☐ Yes	☐ No ☒ N/A
Water - VOA vials free of headspace	☐ Yes	☐ No ☒ N/A
Trip Blanks received with VOAs	☐ Yes	☐ No ☒ N/A
Soil VOA method 5035 – compliance criteria met	☐ Yes	☐ No ☒ N/A
☐ High concentration container (48 hr)	☐ Low concentration EnCore samplers (48 hr)	
☐ High concentration pre-weighed (methanol -14 d)	☐ Low conc pre-weighed vials (Sod Bis -14 d)	
Special precautions or instructions included?	☐ Yes	☒ No

Comments:

Signature:

Krysti Townsend

Date & Time:

06/20/2023 13:28:23

[illegible]

6/23/2023

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport, LA, 71137

Ref: Analytical Testing
Lab Report Number: 23-171-0016
Client Project Description: Gamble Property
Long Street, Desoto Parish, LA
239592

Dear Mr. Jordy Babineaux:
Waypoint Analytical Mississippi, Inc. received sample(s) on 6/20/2023 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

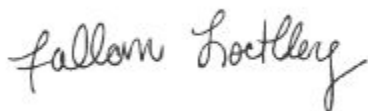
The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Fallon Lockley
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.



Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/29/2024
Arkansas	State Program	88-0650	02/07/2024
California	State Program	2904	06/30/2023
Florida	State Program - NELAP	E871157	06/30/2023
Georgia	State Program	C044	11/14/2025
Georgia	State Program	04015	06/30/2023
Illinois	State Program - NELAP	200078	10/10/2023
Kentucky	State Program	80215	06/30/2023
Kentucky	State Program	KY90047	12/31/2023
Louisiana	State Program - NELAP	LA037	12/31/2023
Louisiana	State Program - NELAP	04015	06/30/2023
Mississippi	State Program	MS	11/14/2025
North Carolina	State Program	47701	07/31/2023
North Carolina	State Program	415	12/31/2023
Pennsylvania	State Program - NELAP	68-03195	05/31/2024
South Carolina	State Program	84002	06/30/2023
Tennessee	State Program	02027	11/14/2025
Texas	State Program - NELAP	T104704180	09/30/2023
Virginia	State Program	00106	06/30/2023
Virginia	State Program - NELAP	460181	09/14/2023

Laboratory ID: WP RMS: Waypoint Analytical Mississippi, Inc., Ridgeland, MS

State	Program	Lab ID	Expiration Date
Arkansas	State Program	88-1409	02/01/2024
Kentucky	State Program	KY98013	12/31/2023
Louisiana	State Program - NELAP	04023	06/30/2023
North Carolina	State Program	694	12/31/2023



Sample Summary Table

Report Number: 23-171-0016
Client Project Description: Gamble Property
Long Street, Desoto Parish, LA
239592

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
67852	239592 B-1 (8-10')	Solids	06/19/2023 14:05	06/20/2023	6010D	WP MTN
67853	239592 B-2R (8-10')	Solids	06/19/2023 14:35	06/20/2023	6010D	WP MTN
67854	239592 B-2R (8-10')	TCLP	06/19/2023 14:35	06/20/2023	1312	WP MTN
67854	239592 B-2R (8-10')	TCLP	06/19/2023 14:35	06/20/2023	6010D	WP MTN
67855	239592 B-2 (8-10')	Solids	06/19/2023 15:25	06/20/2023	6010D	WP MTN

Summary of Detected Analytes

Project: Gamble Property

Report Number: 23-171-0016

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
239592 B-1 (8-10')	G 67852					
6010D	Barium	28.0	mg/Kg	0.500	06/22/2023 23:04	
239592 B-2R (8-10')	G 67853					
6010D	Barium	345	mg/Kg	0.500	06/22/2023 23:09	
239592 B-2R (8-10')	G 67854					
1312	SPLP Extraction	Leachate			06/21/2023 13:30	
6010D	SPLP Barium	1.18	mg/L	0.0277	06/22/2023 16:46	
239592 B-2 (8-10')	G 67855					
6010D	Barium	236	mg/Kg	0.500	06/22/2023 23:15	

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble Property
Information : Long Street, Desoto Parish, LA
239592

Report Date : 06/23/2023
Received : 06/20/2023

Report Number : **23-171-0016**

REPORT OF ANALYSIS

Lab No : **67852**

Matrix: **Solids**

Sample ID : **239592 B-1 (8-10')**

Sampled: **6/19/2023 14:05**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	28.0	mg/Kg	0.500	1	06/22/23 23:04	TJS	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble Property
Information : Long Street, Desoto Parish, LA
239592

Report Date : 06/23/2023
Received : 06/20/2023

Report Number : **23-171-0016**

REPORT OF ANALYSIS

Lab No : **67853**

Matrix: **Solids**

Sample ID : **239592 B-2R (8-10')**

Sampled: **6/19/2023 14:35**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	345	mg/Kg	0.500	1	06/22/23 23:09	TJS	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble Property
Information : Long Street, Desoto Parish, LA
239592

Report Date : 06/23/2023
Received : 06/20/2023

Report Number : **23-171-0016**

REPORT OF ANALYSIS

Lab No : **67854**

Matrix: **TCLP**

Sample ID : **239592 B-2R (8-10')**

Sampled: **6/19/2023 14:35**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
SPLP Barium	1.18	mg/L	0.0277	1	06/22/23 16:46	TJS	6010D
SPLP Extraction	Leachate			1	06/21/23 13:30	ALM	1312

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble Property
Information : Long Street, Desoto Parish, LA
239592

Report Date : 06/23/2023
Received : 06/20/2023

Report Number : **23-171-0016**

REPORT OF ANALYSIS

Lab No : **67855**

Matrix: **Solids**

Sample ID : **239592 B-2 (8-10')**

Sampled: **6/19/2023 15:25**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	236	mg/Kg	0.500	1	06/22/23 23:15	TJS	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

Quality Control Data

Client ID: Approach Environmental, LLC.
Project Description: Gamble Property
Report No: 23-171-0016

QC Prep: L688941 **QC Analytical Batch(es):** L689414
QC Prep Batch Method: 3050B **Analysis Method:** 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L688941 Matrix: SOL
Associated Lab Samples: 67852, 67853, 67855

Parameter	Units	Blank Result	MQL	Analyzed
Barium	mg/Kg	<0.500	0.500	06/22/23 21:42

Laboratory Control Sample LCS-L688941

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Barium	mg/Kg	50.0	50.1	100	80-120

Matrix Spike & Matrix Spike Duplicate L 88215-MS-L688941 L 88215-MSD-L688941

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Barium	mg/Kg	7.23	43.1	43.1	45.0	45.8	88.0	90.0	75-125	1.7	20

Quality Control Data

Client ID: Approach Environmental, LLC.
Project Description: Gamble Property
Report No: 23-171-0016

QC Prep: L689108 **QC Analytical Batch(es):** L689415
QC Prep Batch Method: 3015A **Analysis Method:** 6010D
Analysis Description: Metals Analysis (SPLP)

Lab Reagent Blank LRB-L689108 Matrix: TCL
Associated Lab Samples: 67854

Parameter	Units	Blank Result	MQL	Analyzed
SPLP Barium	mg/Kg	<0.0250	0.0250	06/22/23 15:15

Laboratory Control Sample LCS-L689108

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
SPLP Barium	mg/Kg	1.00	1.03	103	80-120

Matrix Spike & Matrix Spike Duplicate A 55169-MS-L689108 A 55169-MSD-L689108

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
SPLP Barium	mg/Kg	<0.250	50.0	50.0	49.5	49.0	99.0	98.0	75-125	1.0	20

Shipment Receipt Form

Customer Number: **01367**

Customer Name: **Approach Environmental, LLC.**

Report Number: **23-171-0016**

Shipping Method

☐ Fed Ex	☐ US Postal	☒ Lab	☐ Other :	
☐ UPS	☐ Client	☐ Courier	Thermometer ID:	IR Gun #4

Shipping container/cooler uncompromised?	☒ Yes	☐ No
Number of coolers/boxes received	1	
Custody seals intact on shipping container/cooler?	☐ Yes	☐ No ☒ Not Present
Custody seals intact on sample bottles?	☐ Yes	☐ No ☒ Not Present
Chain of Custody (COC) present?	☒ Yes	☐ No
COC agrees with sample label(s)?	☒ Yes	☐ No
COC properly completed	☒ Yes	☐ No
Samples in proper containers?	☒ Yes	☐ No
Sample containers intact?	☒ Yes	☐ No
Sufficient sample volume for indicated test(s)?	☒ Yes	☐ No
All samples received within holding time?	☒ Yes	☐ No
Cooler temperature in compliance?	☒ Yes	☐ No
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	☒ Yes	☐ No
Water - Sample containers properly preserved	☐ Yes	☐ No ☒ N/A
Water - VOA vials free of headspace	☐ Yes	☐ No ☒ N/A
Trip Blanks received with VOAs	☐ Yes	☐ No ☒ N/A
Soil VOA method 5035 – compliance criteria met	☐ Yes	☐ No ☒ N/A
☐ High concentration container (48 hr)	☐ Low concentration EnCore samplers (48 hr)	
☐ High concentration pre-weighed (methanol -14 d)	☐ Low conc pre-weighed vials (Sod Bis -14 d)	
Special precautions or instructions included?	☐ Yes	☒ No

Comments:

Signature:

Krysti Townsend

Date & Time:

06/20/2023 13:18:44

[illegible]

6/28/2023

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport, LA, 71137

Ref: Analytical Testing
Lab Report Number: 23-174-0052
Client Project Description: Gamble - St. Lucia Property (240037)
Longstreet, Desoto Parish, LA

Dear Mr. Jordy Babineaux:
Waypoint Analytical Mississippi, Inc. received sample(s) on 6/23/2023 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

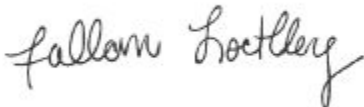
The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Fallon Lockley
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.



Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/29/2024
Arkansas	State Program	88-0650	02/07/2024
California	State Program	2904	06/30/2023
Florida	State Program - NELAP	E871157	06/30/2023
Georgia	State Program	C044	11/14/2025
Georgia	State Program	04015	06/30/2023
Illinois	State Program - NELAP	200078	10/10/2023
Kentucky	State Program	80215	06/30/2023
Kentucky	State Program	KY90047	12/31/2023
Louisiana	State Program - NELAP	LA037	12/31/2023
Louisiana	State Program - NELAP	04015	06/30/2023
Mississippi	State Program	MS	11/14/2025
North Carolina	State Program	47701	07/31/2023
North Carolina	State Program	415	12/31/2023
Pennsylvania	State Program - NELAP	68-03195	05/31/2024
South Carolina	State Program	84002	06/30/2023
Tennessee	State Program	02027	11/14/2025
Texas	State Program - NELAP	T104704180	09/30/2023
Virginia	State Program	00106	06/30/2023
Virginia	State Program - NELAP	460181	09/14/2023

Laboratory ID: WP RMS: Waypoint Analytical Mississippi, Inc., Ridgeland, MS

State	Program	Lab ID	Expiration Date
Arkansas	State Program	88-1409	02/01/2024
Kentucky	State Program	KY98013	12/31/2023
Louisiana	State Program - NELAP	04023	06/30/2023
North Carolina	State Program	694	12/31/2023

Sample Summary Table

Report Number: 23-174-0052
Client Project Description: Gamble - St. Lucia Property (240037)
Longstreet, Desoto Parish, LA

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
68403	240037 SB-2R (0-2')	Solids	06/20/2023 08:20	06/23/2023	6010D	WP MTN
68404	240037 SB-2R (6-8')	Solids	06/20/2023 08:30	06/23/2023	6010D	WP MTN
68405	240037 SB-2R (8-10')	Solids	06/20/2023 08:35	06/23/2023	6010D	WP MTN
68406	240037 SB-2R (10-12')	Solids	06/20/2023 08:40	06/23/2023	6010D	WP MTN
68407	240037 B-1 (0-2')	Solids	06/20/2023 08:45	06/23/2023	6010D	WP MTN
68408	240037 B-2 (0-2')	Solids	06/20/2023 08:55	06/23/2023	6010D	WP MTN
68409	240037 B-3 (2-3')	Solids	06/20/2023 09:30	06/23/2023	6010D	WP MTN

Summary of Detected Analytes

Project: Gamble - St. Lucia Property (240037)

Report Number: 23-174-0052

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
240037 SB-2R (0-2')	G 68403					
6010D	Barium	125	mg/Kg	0.500	06/27/2023 22:03	
240037 SB-2R (6-8')	G 68404					
6010D	Barium	50.2	mg/Kg	0.500	06/27/2023 22:08	
240037 SB-2R (8-10')	G 68405					
6010D	Barium	185	mg/Kg	0.500	06/27/2023 22:13	
240037 SB-2R (10-12')	G 68406					
6010D	Barium	33.2	mg/Kg	0.500	06/27/2023 22:19	
240037 B-1 (0-2')	G 68407					
6010D	Barium	49.6	mg/Kg	0.500	06/27/2023 22:34	
240037 B-2 (0-2')	G 68408					
6010D	Barium	79.7	mg/Kg	0.500	06/27/2023 22:39	
240037 B-3 (2-3')	G 68409					
6010D	Barium	33.4	mg/Kg	0.500	06/27/2023 22:44	

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble - St. Lucia Property (240037)
Information : Longstreet, Desoto Parish, LA

Report Date : 06/28/2023
Received : 06/23/2023

Report Number : **23-174-0052**

REPORT OF ANALYSIS

Lab No : **68403**

Matrix: **Solids**

Sample ID : **240037 SB-2R (0-2')**

Sampled: **6/20/2023 8:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	125	mg/Kg	0.500	1	06/27/23 22:03	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble - St. Lucia Property (240037)
Information : Longstreet, Desoto Parish, LA

Report Date : 06/28/2023
Received : 06/23/2023

Report Number : **23-174-0052**

REPORT OF ANALYSIS

Lab No : **68404**

Matrix: **Solids**

Sample ID : **240037 SB-2R (6-8')**

Sampled: **6/20/2023 8:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	50.2	mg/Kg	0.500	1	06/27/23 22:08	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble - St. Lucia Property (240037)
Information : Longstreet, Desoto Parish, LA

Report Date : 06/28/2023
Received : 06/23/2023

Report Number : **23-174-0052**

REPORT OF ANALYSIS

Lab No : **68405**

Matrix: **Solids**

Sample ID : **240037 SB-2R (8-10')**

Sampled: **6/20/2023 8:35**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	185	mg/Kg	0.500	1	06/27/23 22:13	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble - St. Lucia Property (240037)
Information : Longstreet, Desoto Parish, LA

Report Date : 06/28/2023
Received : 06/23/2023

Report Number : **23-174-0052**

REPORT OF ANALYSIS

Lab No : **68406**

Matrix: **Solids**

Sample ID : **240037 SB-2R (10-12')**

Sampled: **6/20/2023 8:40**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	33.2	mg/Kg	0.500	1	06/27/23 22:19	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble - St. Lucia Property (240037)
Information : Longstreet, Desoto Parish, LA

Report Date : 06/28/2023
Received : 06/23/2023

Report Number : **23-174-0052**

REPORT OF ANALYSIS

Lab No : **68407**

Matrix: **Solids**

Sample ID : **240037 B-1 (0-2')**

Sampled: **6/20/2023 8:45**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	49.6	mg/Kg	0.500	1	06/27/23 22:34	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble - St. Lucia Property (240037)
Information : Longstreet, Desoto Parish, LA

Report Date : 06/28/2023
Received : 06/23/2023

Report Number : **23-174-0052**

REPORT OF ANALYSIS

Lab No : **68408**

Matrix: **Solids**

Sample ID : **240037 B-2 (0-2')**

Sampled: **6/20/2023 8:55**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	79.7	mg/Kg	0.500	1	06/27/23 22:39	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble - St. Lucia Property (240037)
Information : Longstreet, Desoto Parish, LA

Report Date : 06/28/2023
Received : 06/23/2023

Report Number : **23-174-0052**

REPORT OF ANALYSIS

Lab No : **68409**

Matrix: **Solids**

Sample ID : **240037 B-3 (2-3')**

Sampled: **6/20/2023 9:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	33.4	mg/Kg	0.500	1	06/27/23 22:44	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

Quality Control Data

Client ID: Approach Environmental, LLC.
Project Description: Gamble - St. Lucia Property (240037)
Report No: 23-174-0052

QC Prep: L689639 **QC Analytical Batch(es):** L689854
QC Prep Batch Method: 3050B **Analysis Method:** 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L689639 Matrix: SOL
Associated Lab Samples: 68403, 68404, 68405, 68406, 68407, 68408, 68409

Parameter	Units	Blank Result	MQL	Analyzed
Barium	mg/Kg	< 0.500	0.500	06/27/23 21:52

Laboratory Control Sample LCS-L689639

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Barium	mg/Kg	50.0	53.3	107	80-120

Matrix Spike & Matrix Spike Duplicate L 89659-MS-L689639 L 89659-MSD-L689639

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Barium	mg/Kg	29.0	45.8	49.1	78.7	80.9	108	106	75-125	2.7	20.0

Shipment Receipt Form

Customer Number: **01367**

Customer Name: **Approach Environmental, LLC.**

Report Number: **23-174-0052**

Shipping Method

☐ Fed Ex	☐ US Postal	☒ Lab	☐ Other :	
☐ UPS	☐ Client	☐ Courier	Thermometer ID:	IR Gun #4

Shipping container/cooler uncompromised?	☒ Yes	☐ No
Number of coolers/boxes received	1	
Custody seals intact on shipping container/cooler?	☐ Yes	☐ No ☒ Not Present
Custody seals intact on sample bottles?	☐ Yes	☐ No ☒ Not Present
Chain of Custody (COC) present?	☒ Yes	☐ No
COC agrees with sample label(s)?	☒ Yes	☐ No
COC properly completed	☒ Yes	☐ No
Samples in proper containers?	☒ Yes	☐ No
Sample containers intact?	☒ Yes	☐ No
Sufficient sample volume for indicated test(s)?	☒ Yes	☐ No
All samples received within holding time?	☒ Yes	☐ No
Cooler temperature in compliance?	☒ Yes	☐ No
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	☒ Yes	☐ No
Water - Sample containers properly preserved	☐ Yes	☐ No ☒ N/A
Water - VOA vials free of headspace	☐ Yes	☐ No ☒ N/A
Trip Blanks received with VOAs	☐ Yes	☐ No ☒ N/A
Soil VOA method 5035 – compliance criteria met	☐ Yes	☐ No ☒ N/A
☐ High concentration container (48 hr)	☐ Low concentration EnCore samplers (48 hr)	
☐ High concentration pre-weighed (methanol -14 d)	☐ Low conc pre-weighed vials (Sod Bis -14 d)	
Special precautions or instructions included?	☐ Yes	☒ No

Comments:

Signature:

Fallon Lockley

Date & Time:

06/23/2023 12:47:26

[illegible]

6/29/2023

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport, LA, 71137

Ref: Analytical Testing
Lab Report Number: 23-174-0051
Client Project Description: Gamble - St. Lucia Property (240035)
Longstreet, Desoto Parish, LA

Dear Mr. Jordy Babineaux:
Waypoint Analytical Mississippi, Inc. received sample(s) on 6/23/2023 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

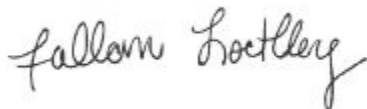
The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

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The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Fallon Lockley
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.



Certification Summary

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/29/2024
Arkansas	State Program	88-0650	02/07/2024
California	State Program	2904	06/30/2023
Florida	State Program - NELAP	E871157	06/30/2023
Georgia	State Program	C044	11/14/2025
Georgia	State Program	04015	06/30/2023
Illinois	State Program - NELAP	200078	10/10/2023
Kentucky	State Program	80215	06/30/2023
Kentucky	State Program	KY90047	12/31/2023
Louisiana	State Program - NELAP	LA037	12/31/2023
Louisiana	State Program - NELAP	04015	06/30/2023
Mississippi	State Program	MS	11/14/2025
North Carolina	State Program	47701	07/31/2023
North Carolina	State Program	415	12/31/2023
Pennsylvania	State Program - NELAP	68-03195	05/31/2024
South Carolina	State Program	84002	06/30/2023
Tennessee	State Program	02027	11/14/2025
Texas	State Program - NELAP	T104704180	09/30/2023
Virginia	State Program	00106	06/30/2023
Virginia	State Program - NELAP	460181	09/14/2023

Laboratory ID: WP RMS: Waypoint Analytical Mississippi, Inc., Ridgeland, MS

State	Program	Lab ID	Expiration Date
Arkansas	State Program	88-1409	02/01/2024
Kentucky	State Program	KY98013	12/31/2023
Louisiana	State Program - NELAP	04023	06/30/2023
North Carolina	State Program	694	12/31/2023

Sample Summary Table

Report Number: 23-174-0051
Client Project Description: Gamble - St. Lucia Property (240035)
Longstreet, Desoto Parish, LA

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
68381	240035 MW-1R (6-8')	Solids	06/20/2023 10:45	06/23/2023	6010D	WP MTN
68382	240035 MW-1R (8-10')	Solids	06/20/2023 11:05	06/23/2023	6010D	WP MTN
68383	240035 MW-1R (10-12')	Solids	06/20/2023 11:05	06/23/2023	6010D	WP MTN
68384	240035 MW-1R (12-14')	Solids	06/20/2023 11:25	06/23/2023	6010D	WP MTN
68385	240035 B-1 (0-2')	Solids	06/20/2023 11:35	06/23/2023	6010D	WP MTN
68386	240035 B-1 (8-10")	Solids	06/20/2023 11:40	06/23/2023	6010D	WP MTN
68387	240035 SB-2R (8-10')	Solids	06/20/2023 12:10	06/23/2023	6010D	WP MTN
68388	240035 B-2 (8-10')	Solids	06/20/2023 12:35	06/23/2023	6010D	WP MTN
68389	240035 B-3 (0-2')	Solids	06/20/2023 12:50	06/23/2023	6010D	WP MTN
68390	240035 B-3 (8-10')	Solids	06/20/2023 13:00	06/23/2023	6010D	WP MTN
68391	240035 B-4 (0-2')	Solids	06/20/2023 13:10	06/23/2023	6010D	WP MTN

Summary of Detected Analytes

Project: Gamble - St. Lucia Property (240035)

Report Number: 23-174-0051

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
240035 MW-1R (6-8')	G 68381					
6010D	Barium	34.3	mg/Kg	0.500	06/27/2023 17:42	
240035 MW-1R (8-10')	G 68382					
6010D	Barium	60.3	mg/Kg	0.500	06/27/2023 17:47	
240035 MW-1R (10-12')	G 68383					
6010D	Barium	360	mg/Kg	0.500	06/27/2023 17:52	
240035 MW-1R (12-14')	G 68384					
6010D	Barium	86.1	mg/Kg	2.50	06/28/2023 13:18	
240035 B-1 (0-2')	G 68385					
6010D	Barium	47.7	mg/Kg	0.500	06/27/2023 18:03	
240035 B-1 (8-10')	G 68386					
6010D	Barium	306	mg/Kg	0.500	06/27/2023 18:08	
240035 SB-2R (8-10')	G 68387					
6010D	Barium	29.3	mg/Kg	0.500	06/27/2023 18:13	
240035 B-2 (8-10')	G 68388					
6010D	Barium	111	mg/Kg	0.500	06/27/2023 18:29	
240035 B-3 (0-2')	G 68389					
6010D	Barium	90.1	mg/Kg	0.500	06/27/2023 18:34	
240035 B-3 (8-10')	G 68390					
6010D	Barium	24.5	mg/Kg	0.500	06/27/2023 18:39	
240035 B-4 (0-2')	G 68391					
6010D	Barium	66.6	mg/Kg	2.50	06/28/2023 12:58	



Client: Approach Environmental, LLC.
Project: Gamble - St. Lucia Property (240035)
Lab Report Number: 23-174-0051
Date: 6/29/2023

CASE NARRATIVE

Metals Analysis Method 6010D

Sample 68384 (240035 MW-1R (12-14')) 68391 (240035 B-4 (0-2'))

QC Batch No: L689854/L689636

One or more Internal Standards were outside method acceptance criteria. Re-analysis and/or sample dilutions were required.

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble - St. Lucia Property (240035)
Information : Longstreet, Desoto Parish, LA

Report Date : 06/29/2023
Received : 06/23/2023

Report Number : **23-174-0051**

REPORT OF ANALYSIS

Lab No : **68381**

Matrix: **Solids**

Sample ID : **240035 MW-1R (6-8')**

Sampled: **6/20/2023 10:45**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	34.3	mg/Kg	0.500	1	06/27/23 17:42	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble - St. Lucia Property (240035)
Information : Longstreet, Desoto Parish, LA

Report Date : 06/29/2023
Received : 06/23/2023

Report Number : **23-174-0051**

REPORT OF ANALYSIS

Lab No : **68382**

Matrix: **Solids**

Sample ID : **240035 MW-1R (8-10')**

Sampled: **6/20/2023 11:05**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	60.3	mg/Kg	0.500	1	06/27/23 17:47	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble - St. Lucia Property (240035)
Information : Longstreet, Desoto Parish, LA

Report Date : 06/29/2023
Received : 06/23/2023

Report Number : **23-174-0051**

REPORT OF ANALYSIS

Lab No : **68383**

Matrix: **Solids**

Sample ID : **240035 MW-1R (10-12')**

Sampled: **6/20/2023 11:05**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	360	mg/Kg	0.500	1	06/27/23 17:52	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble - St. Lucia Property (240035)
Information : Longstreet, Desoto Parish, LA

Report Date : 06/29/2023
Received : 06/23/2023

Report Number : **23-174-0051**

REPORT OF ANALYSIS

Lab No : **68384**

Matrix: **Solids**

Sample ID : **240035 MW-1R (12-14')**

Sampled: **6/20/2023 11:25**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	86.1	mg/Kg	2.50	5	06/28/23 13:18	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble - St. Lucia Property (240035)
Information : Longstreet, Desoto Parish, LA

Report Date : 06/29/2023
Received : 06/23/2023

Report Number : **23-174-0051**

REPORT OF ANALYSIS

Lab No : **68385**

Matrix: **Solids**

Sample ID : **240035 B-1 (0-2')**

Sampled: **6/20/2023 11:35**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	47.7	mg/Kg	0.500	1	06/27/23 18:03	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

Approach Environmental, LLC.
Mr. Jordy Babineaux
PO Box 7192
Shreveport , LA 71137

Project Gamble - St. Lucia Property (240035)
Information : Longstreet, Desoto Parish, LA

Report Date : 06/29/2023
Received : 06/23/2023

Report Number : **23-174-0051**

REPORT OF ANALYSIS

Lab No : **68386**

Matrix: **Solids**

Sample ID : **240035 B-1 (8-10")**

Sampled: **6/20/2023 11:40**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	306	mg/Kg	0.500	1	06/27/23 18:08	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

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Report Number : **23-174-0051**

REPORT OF ANALYSIS

Lab No : **68387**

Matrix: **Solids**

Sample ID : **240035 SB-2R (8-10')**

Sampled: **6/20/2023 12:10**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	29.3	mg/Kg	0.500	1	06/27/23 18:13	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

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Report Number : **23-174-0051**

REPORT OF ANALYSIS

Lab No : **68388**

Matrix: **Solids**

Sample ID : **240035 B-2 (8-10')**

Sampled: **6/20/2023 12:35**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	111	mg/Kg	0.500	1	06/27/23 18:29	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



01367

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REPORT OF ANALYSIS

Lab No : **68389**

Matrix: **Solids**

Sample ID : **240035 B-3 (0-2')**

Sampled: **6/20/2023 12:50**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	90.1	mg/Kg	0.500	1	06/27/23 18:34	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

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REPORT OF ANALYSIS

Lab No : **68390**

Matrix: **Solids**

Sample ID : **240035 B-3 (8-10')**

Sampled: **6/20/2023 13:00**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	24.5	mg/Kg	0.500	1	06/27/23 18:39	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

01367

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Project Gamble - St. Lucia Property (240035)
Information : Longstreet, Desoto Parish, LA

Report Date : 06/29/2023
Received : 06/23/2023

Report Number : **23-174-0051**

REPORT OF ANALYSIS

Lab No : **68391**

Matrix: **Solids**

Sample ID : **240035 B-4 (0-2')**

Sampled: **6/20/2023 13:10**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Barium	66.6	mg/Kg	2.50	5	06/28/23 12:58	BKN	6010D

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

Quality Control Data

Client ID: Approach Environmental, LLC.
Project Description: Gamble - St. Lucia Property (240035)
Report No: 23-174-0051

QC Prep: L689636 **QC Analytical Batch(es):** L689854
QC Prep Batch Method: 3050B **Analysis Method:** 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-L689636 Matrix: SOL
Associated Lab Samples: 68381, 68382, 68383, 68384, 68385, 68386, 68387, 68388, 68389, 68390

Parameter	Units	Blank Result	MQL	Analyzed
Barium	mg/Kg	< 0.500	0.500	06/27/23 16:34

Laboratory Control Sample LCS-L689636

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Barium	mg/Kg	50.0	50.5	101	80-120

Matrix Spike & Matrix Spike Duplicate G 68390-MS-L689636 G 68390-MSD-L689636

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Barium	mg/Kg	24.5	43.9	44.2	68.6	68.4	100	99.0	75-125	0.2	20.0

Quality Control Data

Client ID: Approach Environmental, LLC.
Project Description: Gamble - St. Lucia Property (240035)
Report No: 23-174-0051

QC Prep:	L689639	QC Analytical Batch(es):	L689854
QC Prep Batch Method:	3050B	Analysis Method:	6010D
		Analysis Description:	Metals Analysis

Lab Reagent Blank LRB-L689639 Matrix: SOL
Associated Lab Samples: 68391

Parameter	Units	Blank Result	MQL	Analyzed
Barium	mg/Kg	< 0.500	0.500	06/27/23 21:52

Laboratory Control Sample LCS-L689639

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Barium	mg/Kg	50.0	53.3	107	80-120

Matrix Spike & Matrix Spike Duplicate L 89659-MS-L689639 L 89659-MSD-L689639

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Barium	mg/Kg	29.0	45.8	49.1	78.7	80.9	108	106	75-125	2.7	20.0

Shipment Receipt Form

Customer Number: **01367**

Customer Name: **Approach Environmental, LLC.**

Report Number: **23-174-0051**

Shipping Method

☐ Fed Ex	☐ US Postal	☒ Lab	☐ Other :	
☐ UPS	☐ Client	☐ Courier	Thermometer ID:	IR Gun #4

Shipping container/cooler uncompromised?	☒ Yes	☐ No
Number of coolers/boxes received	1	
Custody seals intact on shipping container/cooler?	☐ Yes	☐ No ☒ Not Present
Custody seals intact on sample bottles?	☐ Yes	☐ No ☒ Not Present
Chain of Custody (COC) present?	☒ Yes	☐ No
COC agrees with sample label(s)?	☒ Yes	☐ No
COC properly completed	☒ Yes	☐ No
Samples in proper containers?	☒ Yes	☐ No
Sample containers intact?	☒ Yes	☐ No
Sufficient sample volume for indicated test(s)?	☒ Yes	☐ No
All samples received within holding time?	☒ Yes	☐ No
Cooler temperature in compliance?	☒ Yes	☐ No
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	☒ Yes	☐ No
Water - Sample containers properly preserved	☐ Yes	☐ No ☒ N/A
Water - VOA vials free of headspace	☐ Yes	☐ No ☒ N/A
Trip Blanks received with VOAs	☐ Yes	☐ No ☒ N/A
Soil VOA method 5035 – compliance criteria met	☐ Yes	☐ No ☒ N/A
☐ High concentration container (48 hr)	☐ Low concentration EnCore samplers (48 hr)	
☐ High concentration pre-weighed (methanol -14 d)	☐ Low conc pre-weighed vials (Sod Bis -14 d)	
Special precautions or instructions included?	☐ Yes	☒ No

Comments:

Signature:

Fallon Lockley

Date & Time:

06/23/2023 12:40:53

Client Name/Address Approach Environmental, LLC 23-174-0051 01367 06-23-2023 12:39:45		Billing Information RUSH - Additional charges apply Special Detection Limit(s) Date Results Needed		Client Project Manager/Contact Jordy Babineaux		Method of ☐ Fed Ex ☒ Courier Other	
Project Description Gamble - St. Lucia Property (240035)		Project/Site Location (City/State) Longstreet, Desoto Parish, LA		Project Manager Email jorjyphb@approachenv.com		Purchase Order Number	
Project Number 985-789-0711		Project Manager Phone # 985-789-0711		Matrix (Refer to Key)		Site/Facility ID #	
Waypoint ANALYTICAL 235 Highpoint Drive Ridgeland, MS 39157 (601)957-2676		Sample Identification Unless noted, all containers per Table II of 40 CFR Part 136.		Number of Containers		Required Analysis / Preservative	
Date		Time		Matrix (Refer to Key)		Comments/Notes	
6/20	1045	240035	MW-1R (6-8')	2	S		
6/20	1105	240035	MW-1R (8-10')	2	S		
6/20	1105	240035	MW-1R (10-12')	2	S		
6/20	1125	240035	MW-1R (12-14')	2	S		
6/20	1135	240035	B-1 (0-2')	2	S		
6/20	1140	240035	B-1 (8-10')	2	S		
6/20	1210	240035	SB-2R (8-10')	2	S		
6/20	1235	240035	B-2 (8-10')	2	S		
6/20	1250	240035	B-3 (0-2')	2	S		
6/20	1300	240035	B-3 (8-10')	2	S		
For Laboratory Use Only				Client Remarks/Comments			
Ice (N) N		Custody Seals Y/N		Sampled by (Name - Print) Jacob, Salem			
Blank/Cooler Temp 5.3°C		Lab Comments		Relinquished by: (SIGNATURE) [Signature]		Date Time 6/23/23 12:30	
Blank/Cooler Temp 5.3°C		Lab Comments		Relinquished by: (SIGNATURE) [Signature]		Date Time 6/23/23 12:30	
Blank/Cooler Temp 5.3°C		Lab Comments		Relinquished by: (SIGNATURE) [Signature]		Date Time 6/23/23 12:30	

[illegible]