



Mosaic Fertilizer, L.L.C.

Environmental Lab



NELAP Certification #
E 84578

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAP STANDARDS

Work Order Number: S109143

Client: DeSoto County

Project Name: DeSoto County - Split Sampling

Date Received: 09/16/2021

Time Received: 11:50

Lab ID: S109143-01 (Water) Sample Description: FTG - 005
 Date Sampled: 09/16/2021 Sample Method: Grab
 Time Sampled: 10:20 Source ID: 019005

Parameter	Result	Error	Qualifier	Units	MDL	PQL	Procedure	Analysis		Analyst
								Date	Time	
Chlorophyll a	6.14			ug/L	0.14	0.56	EPA 445	09/27/2021	08:51	DJ
Fluoride	1.18			mg/L	0.250	1.00	EPA 300.0	09/21/2021	02:55	AC
Nitrate-Nitrite	0.0560			mg/L	0.0100	0.0380	EPA 353.2	09/22/2021	12:50	KW
Phosphorus, Total	0.685			mg/L	0.0100	0.0400	EPA 365.4	09/24/2021	10:14	KW
Residue-fixed	1.00			mg/L	1.00	1.00	EPA 160.4	09/22/2021	07:02	DJ
Residue-nonfilterable (TSS)	1.80			mg/L	1.00	1.00	SM 2540 D	09/22/2021	07:02	DJ
Sulfate	43.8			mg/L	2.00	8.00	EPA 300.0	09/21/2021	02:55	AC
Total Kjeldahl Nitrogen	0.856			mg/L	0.100	0.400	EPA 351.2	09/24/2021	10:14	KW
Total N	0.912			mg/L	0.110	0.438	TKN + Total nitrate-nitrite	09/24/2021	10:14	KW
Dissolved Oxygen Saturation	43.1			per cent			FT 1500	09/16/2021	10:20	KC
Flow Rate	85.1			MGD			FT 1800	09/16/2021	10:20	KC
pH	7.25			SU			FT 1100	09/16/2021	10:20	KC
Specific Conductance	413			umhos/cm			FT 1200	09/16/2021	10:20	KC
Staff Gauge	1.23			feet			Calculated	09/16/2021	10:20	KC
Water Temperature	27.4			°C			FT 1400	09/16/2021	10:20	KC
Turbidity	1.61			NTU			FT 1600	09/16/2021	10:20	KC
Gross-Alpha	2.7	+/- 1.7		pCi/L	1.5	1.5	EPA 900.0	09/23/2021	09:50	FRS
Arsenic	1.82		I	UG/L	0.689	2.756	SM 3113 B	10/06/2021	13:46	Bench
Oil and Grease	3.08		I	MG/L	1.37	5.48	EPA 1664A	09/20/2021	09:22	Bench



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QC REPORT

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Work Order Number: S109143
Project Name: DeSoto County - Split Sampling

Wet Chemistry - Quality Control

Analyte	Result	Qualifiers	Units	MDL	PQL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B109204 - Anion Prep											
Blank (B109204-BLK1)						Prepared & Analyzed: 09/20/21					
Fluoride	0.0500	U	mg/L	0.0500	0.200						
Sulfate	0.400	U	mg/L	0.400	1.60						
LCS (B109204-BS1)						Prepared & Analyzed: 09/20/21					
Fluoride	0.504		mg/L	0.0500	0.200	0.500		101	90-110		
Sulfate	4.77		mg/L	0.400	1.60	5.00		95.4	90-110		
Duplicate (B109204-DUP1)						Source: S109133-03 Prepared & Analyzed: 09/20/21					
Sulfate	7.20	J-3	mg/L	0.400	1.60		6.52			9.95	20
Fluoride	0.293		mg/L	0.0500	0.200		0.298			1.73	20
Duplicate (B109204-DUP2)						Source: S109133-07 Prepared & Analyzed: 09/20/21					
Sulfate	154	J-3	mg/L	0.400	1.60		154			0.0655	20
Fluoride	1.89	J-3	mg/L	0.0500	0.200		1.89			0.259	20
Matrix Spike (B109204-MS1)						Source: S109133-03 Prepared & Analyzed: 09/20/21					
Fluoride	0.786		mg/L	0.0500	0.200	0.500	0.298	97.7	90-110		
Sulfate	12.2	J-3	mg/L	0.400	1.60	5.00	6.52	113	90-110		
Matrix Spike (B109204-MS2)						Source: S109133-07 Prepared & Analyzed: 09/20/21					
Fluoride	2.33	J-3	mg/L	0.0500	0.200	0.500	1.89	86.8	90-110		
Sulfate	156	J-3	mg/L	0.400	1.60	5.00	154	28.2	90-110		
Reference (B109204-SRM1)						Prepared & Analyzed: 09/20/21					
Fluoride	10.3		mg/L	0.0500	0.200	10.0		103	90-110		
Sulfate	98.3		mg/L	0.400	1.60	100		98.3	90-110		
Reference (B109204-SRM2)						Prepared & Analyzed: 09/20/21					
Fluoride	0.996		mg/L	0.0500	0.200	1.00		99.6	90-110		
Sulfate	9.62		mg/L	0.400	1.60	10.0		96.2	90-110		



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Work Order Number: S109143
Project Name: DeSoto County - Split Sampling

Wet Chemistry - Quality Control

Analyte	Result	Qualifiers	Units	MDL	PQL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B109231 - Nutrient Prep											
Blank (B109231-BLK1) Prepared & Analyzed: 09/24/21											
Phosphorus, Total	0.0100	U	mg/L	0.0100	0.0400						
Total Kjeldahl Nitrogen	0.100	U	mg/L	0.100	0.400						
Blank (B109231-BLK2) Prepared & Analyzed: 09/24/21											
Total Kjeldahl Nitrogen	0.100	U	mg/L	0.100	0.400						
Phosphorus, Total	0.0100	U	mg/L	0.0100	0.0400						
LCS (B109231-BS1) Prepared & Analyzed: 09/24/21											
Total Kjeldahl Nitrogen	2.18		mg/L	0.100	0.400	2.00		109	90-110		
Phosphorus, Total	1.98		mg/L	0.0100	0.0400	2.00		98.9	90-110		
LCS (B109231-BS2) Prepared & Analyzed: 09/24/21											
Phosphorus, Total	2.01		mg/L	0.0100	0.0400	2.00		100	90-110		
Total Kjeldahl Nitrogen	2.15		mg/L	0.100	0.400	2.00		108	90-110		
Duplicate (B109231-DUP1) Source: S109133-01 Prepared & Analyzed: 09/24/21											
Phosphorus, Total	0.868		mg/L	0.0100	0.0400		0.878			1.15	30
Total Kjeldahl Nitrogen	1.57		mg/L	0.100	0.400		1.68			6.66	30
Duplicate (B109231-DUP2) Source: S109133-11 Prepared & Analyzed: 09/24/21											
Total Kjeldahl Nitrogen	0.836	J-3	mg/L	0.100	0.400		0.958			13.6	30
Phosphorus, Total	0.772		mg/L	0.0100	0.0400		0.775			0.388	30
Duplicate (B109231-DUP3) Source: S109144-04 Prepared & Analyzed: 09/24/21											
Total Kjeldahl Nitrogen	0.100	U	mg/L	0.100	0.400		U				30
Phosphorus, Total	0.0170	I	mg/L	0.0100	0.0400		0.0150			12.5	30
Matrix Spike (B109231-MS1) Source: S109133-01 Prepared & Analyzed: 09/24/21											
Total Kjeldahl Nitrogen	2.72		mg/L	0.100	0.400	1.00	1.68	104	90-110		
Phosphorus, Total	1.82		mg/L	0.0100	0.0400	1.00	0.878	94.6	90-110		



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Analyte	Result	Qualifiers	Units	MDL	PQL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B109231 - Nutrient Prep											
Matrix Spike (B109231-MS2)			Source: S109133-11			Prepared & Analyzed: 09/24/21					
Total Kjeldahl Nitrogen	2.21	J-3	mg/L	0.100	0.400	1.00	0.958	125	90-110		
Phosphorus, Total	1.84		mg/L	0.0100	0.0400	1.00	0.775	106	90-110		
Matrix Spike (B109231-MS3)			Source: S109144-04			Prepared & Analyzed: 09/24/21					
Total Kjeldahl Nitrogen	1.01		mg/L	0.100	0.400	1.00	U	101	90-110		
Phosphorus, Total	1.01		mg/L	0.0100	0.0400	1.00	0.0150	99.7	90-110		
Reference (B109231-SRM1)			Prepared & Analyzed: 09/24/21								
Phosphorus, Total	2.01		mg/L	0.0100	0.0400	2.00		100	90-110		
Total Kjeldahl Nitrogen	2.00		mg/L	0.100	0.400	2.00		100	90-110		
Batch B109232 - Nutrient Prep											
Blank (B109232-BLK1)			Prepared & Analyzed: 09/22/21								
Nitrate-Nitrite	0.0100	U	mg/L	0.0100	0.0380						
Blank (B109232-BLK2)			Prepared & Analyzed: 09/22/21								
Nitrate-Nitrite	0.0100	U	mg/L	0.0100	0.0380						
LCS (B109232-BS1)			Prepared & Analyzed: 09/22/21								
Nitrate-Nitrite	1.04		mg/L	0.0100	0.0380	1.00		104	90-110		
LCS (B109232-BS2)			Prepared & Analyzed: 09/22/21								
Nitrate-Nitrite	1.10		mg/L	0.0100	0.0380	1.00		110	90-110		
Duplicate (B109232-DUP1)			Source: S109133-01			Prepared & Analyzed: 09/22/21					
Nitrate-Nitrite	0.353	J-3	mg/L	0.0100	0.0380		0.352			0.284	30



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Analyte	Result	Qualifiers	Units	MDL	PQL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B109232 - Nutrient Prep											
Duplicate (B109232-DUP2)			Source: S109133-11			Prepared & Analyzed: 09/22/21					
Nitrate-Nitrite	0.256		mg/L	0.0100	0.0380		0.250			2.37	30
Duplicate (B109232-DUP3)			Source: S109146-01			Prepared & Analyzed: 09/22/21					
Nitrate-Nitrite	0.0100	U	mg/L	0.0100	0.0380		0.0110				30
Matrix Spike (B109232-MS1)			Source: S109133-01			Prepared & Analyzed: 09/22/21					
Nitrate-Nitrite	0.945	J-3	mg/L	0.0100	0.0380	0.500	0.352	119	90-110		
Matrix Spike (B109232-MS2)			Source: S109133-11			Prepared & Analyzed: 09/22/21					
Nitrate-Nitrite	0.785		mg/L	0.0100	0.0380	0.500	0.250	107	90-110		
Matrix Spike (B109232-MS3)			Source: S109146-01			Prepared & Analyzed: 09/22/21					
Nitrate-Nitrite	0.560		mg/L	0.0100	0.0380	0.500	0.0110	110	90-110		
Reference (B109232-SRM1)						Prepared & Analyzed: 09/22/21					
Nitrate-Nitrite	1.04		mg/L	0.0100	0.0380	1.00		104	90-110		
Batch B109235 - DEFAULT PREP Wet Chem											
Blank (B109235-BLK1)						Prepared & Analyzed: 09/22/21					
Residue-nonfilterable (TSS)	1.00	U	mg/L	1.00	1.00						
LCS (B109235-BS1)						Prepared & Analyzed: 09/22/21					
Residue-nonfilterable (TSS)	48.0		mg/L	1.00	1.00	46.2		104	90-110		
Duplicate (B109235-DUP1)			Source: S109140-01			Prepared & Analyzed: 09/22/21					
Residue-nonfilterable (TSS)	4.60		mg/L	1.00	1.00		4.60			0.00	5



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Analyte	Result	Qualifiers	Units	MDL	PQL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B109235 - DEFAULT PREP Wet Chem											
Duplicate (B109235-DUP2)			Source: S109157-01			Prepared & Analyzed: 09/22/21					
Residue-nonfilterable (TSS)	7.60	J-2	mg/L	1.00	1.00		5.20			37.5	5
Batch B109236 - DEFAULT PREP Wet Chem											
Blank (B109236-BLK1)			Prepared & Analyzed: 09/22/21								
Residue-fixed	1.00	U	mg/L	1.00	1.00						
Duplicate (B109236-DUP1)			Source: S109140-01			Prepared & Analyzed: 09/22/21					
Residue-fixed	3.00	J-2	mg/L	1.00	1.00		2.40			22.2	5
Duplicate (B109236-DUP2)			Source: S109158-01			Prepared & Analyzed: 09/22/21					
Residue-fixed	4.20	J-2	mg/L	1.00	1.00		4.80			13.3	5
Batch B109265 - DEFAULT PREP Wet Chem											
Blank (B109265-BLK1)			Prepared: 09/23/21 Analyzed: 09/27/21								
Chlorophyll a	0.14	U	ug/L	0.14	0.56						
LCS (B109265-BS1)			Prepared: 09/24/21 Analyzed: 09/27/21								
Chlorophyll a	61.3		ug/L	0.14	0.56	58.7		104	90-110		
Duplicate (B109265-DUP1)			Source: S109133-04			Prepared: 09/16/21 Analyzed: 09/27/21					
Chlorophyll a	5.10		ug/L	0.14	0.56		5.12			0.391	30



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Courtney McManus

10/12/2021

Courtney McManus For Joshua Lipham / Technical Director

Date

DATA QUALIFIERS THAT MAY APPLY:

- U = Not detected at or above the adjusted reporting limit
- I = The value is between the MDL and the PQL
- V = The analyte was detected in both the sample and the associated method blank
- J-3 = A sample matrix interference is suspected. Does not interfere with data usability.
- J-2 = The reported value failed to meet the established quality control criteria for either precision or accuracy. The data usability is not effected.

NOTES:

- MDL = Method Detection Limit
- PQL = Practical Quantification Limit
- %REC = Percent Recovery
- RPD = Relative Percent Difference

For questions and comments regarding these results, please contact Joshua Lipham @ (863) 428-2732 (email: Joshua.Lipham@mosaicco.com).
Results relate only to the samples.

Mosaic
Minerals Environmental
13830 Circa Crossing Dr.

Date: 9-16-21
COC #: _____

Mosaic Environmental
7450 CR 630
Mulberry, FL. 33860
(863) 534 - 9769

Lithia, FL 33547

Samples For:

5109143

Owner: Mike Mooneyham

Revision Date: 09/7/2021

Sampled By (Print):

Phillip Baxter

Sampler Signature:

Project Name: DeSoto County Split Sampling

Date:	Time:	LAB ID #	SOURCE ID #	Sample ID	Type	Unpreserved 950 ml: FSS, FSS	Unpreserved 250 ml: F, SO4	H2SO4 500ML: TOTAL P, TOTAL N	Unpreserved 500 ml Amber: Chloro-A	H2SO4 950ml Glass Amber: Oil and Grease	HN03 250ML: AS	HN03 112 gal: GA15, RA 226/228	COMMENTS
9-16-21	10:20	-01		FIG-005	G	1	1	1	1	1	1	1	

Items:

Relinquished By:

Accepted By:

Date / Time:

7 *[Signature]*

Kceppony

9-16-21 @ 11:50



TEMP 5.8 C
THERMOMETER ID
1080409
PHX2 ✓ INIT. KC
PH PAPER ID
0051201



SURFACE WATER DATA SHEET

Project: Split Sampling
(Desoto County) FT G-005

Sampler(s): P. Baxter

Date: 9-16-21

FDEP-FT-1100 FDEP-FT-1200 FDEP-FT-1400 FDEP-FT-1600 FDEP-FT-1500

Source ID	Location	TYPE	TIME	PH	COND	TEMP	Turbidity	DO	DO Sat	SAMPLE DEPTH	FLOW	STAFF GAUGE	WATER ELEVATION	COLOR
		Grab/Comp.		6.0< PH <8.5 S.U.	<1275 μ S	$^{\circ}$ C	<29 NTU's	>5.0 mg/L	>38 %	Feet	MGD	Feet	MSL	
	FT G-005	G	10:20	7.25	413	27.4	1.61	-	43.1	70NE	85.08	1.23	93.50	L.T.

Source ID	Location	Width (ft)	x Depth (ft)	x Velocity (ft/s)	= CFS	x 0.64632 = MGD

Sampling Sequence: VOC, Organics, Metals, Microbio, Inorganics/Physical, Rad

BEGIN TIME 10:20 END TIME 10:50

FIELD CONDITIONS FOR SAMPLING DATE :

CLOUD COVER: 0 Clear / Scattered / Broken / Overcast

WIND DIRECTION: 0 N / NE / E / SE / S / SW / W / NW / Variable / Calm

AMBIENT TEMP. ($^{\circ}$ C) start: 29.8 end: 30.0

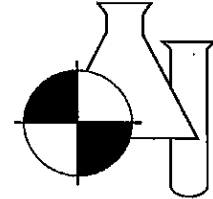
VISIBILITY start: 29.8 end: 30.0
Clear Clear

COMMENTS:

Owner: Mike Mooneyham Effective: 09/24/2019

BENCHMARK

EnviroAnalytical Inc.



NELAC Certification #E84167

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number : 21091060

Mosaic Fertilizer, L L C
13830 Circa Crossing Drive
Lithia, FL 33547

Project Name : DESOTO COUNTY - SPLIT SAMPLING

Project ID : S109143

Date Received : 09/17/2021

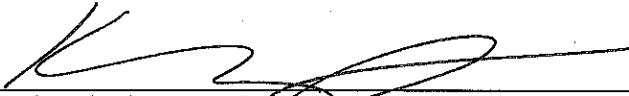
Time Received : 1400

Joshua Lipham

Submission Number: 21091060
Sample Number: 001
Sample Date: 09/16/2021
Sample Time: 1020

Sample Point:
Sample ID: S109143-01
Sample Description: FTG - 005
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
OIL & GREASE	3.08	MG/L	1.37	5.48	1664A	09/20/2021 09:22	CE
ARSENIC	1.82	UG/L	0.689	2.756	SM3113B	10/06/2021 13:46	IE


Dale D. Dixon / Laboratory Director
Tulay Tanrisever - Technical Director/QC Officer
Kara Peterson / QA Officer

10/07/2021
Date

DATA QUALIFIERS THAT MAY APPLY:

A = Value reported is an average of two or more determinations.
G2 = Accuracy standard exceeds acceptable control limits. Duplicate and spike values are within control limits. Reported data are usable.
B = Results based upon colony counts outside the ideal range.
H = Value based on field kit determination. Results may not be accurate.
I = Reported value is between the laboratory MDL and the PQL.
J1 = Estimated value. Surrogate recovery limits exceeded.
J2 = Estimated value. No quality control criteria exists for component.
J3 = Estimated value. Quality control criteria for precision or accuracy not met.
J4 = Estimated value. Sample matrix interference suspected.
J5 = Estimated value. Data questionable due to improper lab or field protocols.
K = Off-scale low. Value is known to be < the value reported.
L = Off-scale high. Value is known to be > the value reported.
N = Presumptive evidence of presence of material.
O = Sampled, but analysis lost or not performed.
Q = Sample held beyond accepted hold time.

T = Value reported is < MDL. Reported for informational purposes only and shall not be used in statistical analysis.
U = Analyte analyzed but not detected at the value indicated.
V = Analyte detected in sample and method blank. Results for this analyte in associated samples may be biased high. Standard, Duplicate and Spike values are within control limits. Reported data are usable.
Y = Analysis performed on an improperly preserved sample. Data may be inaccurate.
Z = Too many colonies were present (TNTC). The numeric value represents the filtration volume.
I = Data deviate from historically established concentration ranges.
? = Data rejected and should not be used. Some or all of QC data were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
* = Not reported due to interference.
Oil & Grease - If client does not send sufficient sample quantity for spike evaluation surface water samples are supplied by the laboratory.

COMMENTS:

NOTES:

PQL = 4xMDL.
MBAS calculated as LAS; molecular weight = 340.
ND = Not detected at or above the adjusted reporting limit.

For questions and comments regarding these results, please contact us at (941) 723-9986.

Results relate only to the samples.

SUBCONTRACT ORDER
Mosaic Fertilizer, LLC Environmental Laboratory



DeSoto County
DeSoto County - Split Sampling

S109143

SENDING LABORATORY:

Mosaic Fertilizer, LLC Environmental Laboratory
7450 CR 630 Building 1
Mulberry, FL 33865
Phone: 863-428-2764
Project Manager: Joshua Lipham

RECEIVING LABORATORY:

Benchmark Analytical
1711 12th St. E.
Palmetto, FL 34221
Phone : (941) 723-9986

Sub Lab ID

Sample ID: S109143-01 DeSoto County Split Sampling
FTG - 005 Water Sampled: 09/16/21 10:20

S109143-01

Oil & Grease, EPA 1664A
As, Total SM3113 B

Sample Receipt Temp. 2.9 °C
Thermometer ID: 258
pH < 2 Init. NH

Containers

2

Released By

Received By

Date

9-17-21 @ 1250

2

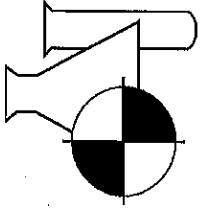
Released By

Received By

Date

9/17/21 1400

2 of 2



BENCHMARK

EnviroAnalytical Inc.

NELAC Certification #E84167

Submission Number: 21091060
 Project Name: DESOTO COUNTY - SPLIT SAMPLING

QC REPORT

SUBMISSION NUMBER	SAMPLE NUMBER	METHOD	ANALYTE	ANALYSIS DATE/TIME	QC FLAG	QC VALUE	SAMPLE RESULT	LR RESULT	LR %RSD	SPK RESULT	STD-SPK %REC
		1664A	OIL & GREASE	09/20/2021 09:22	MB	0.00	0.700				
		1664A	OIL & GREASE	09/20/2021 09:22	MB	0.00	0.700				
		1664A	OIL & GREASE	09/20/2021 09:22	MB	0.00	0.500				
21091099 - 001	595400	1664A	OIL & GREASE	09/20/2021 09:22	SPK	40.00	0.500	44.900		44.900	111.0
21091099 - 001	595400	1664A	OIL & GREASE	09/20/2021 09:22	SPK	40.00	0.500	44.900		44.900	111.0
		1664A	OIL & GREASE	09/20/2021 09:22	STD	40.00	38.900				97.3
		1664A	OIL & GREASE	09/20/2021 09:22	STD	40.00	38.900				97.3
		1664A	OIL & GREASE	09/20/2021 09:22	STD	40.00	38.700				96.8
		SM3113B	ARSENIC	10/06/2021 11:31	LCS MID	20.00	19.200				96.0
		SM3113B	ARSENIC	10/06/2021 12:51	LCS MID	20.00	18.500				92.5
		SM3113B	ARSENIC	10/06/2021 13:52	LCS MID	20.00	21.700				108.5
		SM3113B	ARSENIC	10/06/2021 10:00	MB	0.00	0.000				
		SM3113B	ARSENIC	10/06/2021 11:28	MB	0.00	0.000				
		SM3113B	ARSENIC	10/06/2021 12:48	MB	0.00	0.372				
		SM3113B	ARSENIC	10/06/2021 13:49	MB	0.00	0.000				
21091930 - 001	596799	SM3113B	ARSENIC	10/06/2021 10:22	MS	20.00	1.420	20.200		20.200	93.9
21091999 - 001	596882	SM3113B	ARSENIC	10/06/2021 11:43	MS	20.00	3.230	23.600		23.600	101.8
21100003 - 008	596948	SM3113B	ARSENIC	10/06/2021 13:34	MS	20.00	1.700	20.500	1.47	20.500	94.0
21091930 - 001	596799	SM3113B	ARSENIC	10/06/2021 10:28	MSD		20.200	24.900	5.63	24.900	
21091999 - 001	596882	SM3113B	ARSENIC	10/06/2021 11:49	MSD		23.600	18.900	8.07	18.900	
21100003 - 008	596948	SM3113B	ARSENIC	10/06/2021 13:40	MSD		20.500	20.700		20.700	103.0
		SM3113B	ARSENIC	10/06/2021 10:03	QCS	20.00					

Comments:

QC FLAGS: MB or BLK = METHOD BLANK LR = LAB REPLICATE MSD = MATRIX SPIKE DUPLICATE STD or LCS = STANDARD SPK or MS = MATRIX SPIKE



Florida Radiochemistry Services, Inc.

Contact: Michael J. Naumann

5456 Hoffner Ave., Suite 201 Orlando, FL 32812

Phone: (407) 382-7733 Fax: (407)382-7744

Certification I. D. # E83033

Work Order #: 2109110

Report Date: 09/24/21

Report to:

Mosaic Fertilizer, LLC.

13830 Circe Crossing Drive

Lithia, FL 33547

Attention: Joshua Lipham / Adriana Rivers

I do hereby affirm that this record contains no willful misrepresentations and that this information given by me is true to the best of my knowledge and belief. I further certify that the methods and quality control measures used to produce these laboratory results were implemented in accordance with the requirements of this laboratory's certification and TNI Standards. The test results in this report relate only to the samples received.

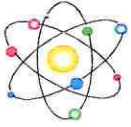
Signed

Michael J. Naumann – President

Shawn M. Naumann – Laboratory Manager

Date

9.24.21



Florida Radiochemistry Services, Inc.

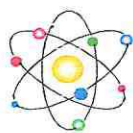
Sample Login

Client:	The Mosaic Company	Date / Time Received	Work order #
		09/21/21 11:18	2109110
Client Contact:	Joshua Lipham/Adriana Rivers		
Project I.D.	Desoto County DeSoto County - Split Sampling		
Lab Sample I.D.	Client Sample I.D.	Sample Date/Time	Analysis Requested
2109110-01	S109143-01 FTG-005	09/16/21 10:20	Gross Alpha

Analysis Results

Gross Alpha	2.7
Error +/-	1.7
MDL	1.5
EPA Method	900.0
Prep Date	09/22/21
Prep Time	08:50
Analysis Date	09/23/21
Analysis Time	09:50
Analyst	MJN

Units **pCi/l**



QA Page

Analyte	Sample #	Date Analyzed	Sample Result	Amount Spiked	Spike Result	Spike /Dup Result	Spike % Rec.	Spike Dup % Rpd
Gross Alpha	2109106-02	09/23/21	2.4	10.0	12.7	13.7	103	7.6

	Quality	Control	Limits
	% RPD		% Rec.
Gross Alpha	20.0		70-130

SUBCONTRACT ORDER
Mosaic Fertilizer, LLC Environmental Laboratory



DeSoto County
DeSoto County - Split Sampling

S109143

SENDING LABORATORY:

Mosaic Fertilizer, LLC Environmental Laboratory
7450 CR 630 Building 1
Mulberry, FL 33865
Phone: 863-428-2764
Project Manager: Joshua Lipham

RECEIVING LABORATORY:

Florida Radiochemistry Service
5456 Hoffner Avenue #201
Orlando, FL 32812-2517
Phone :(407) 382-7733

Sub Lab ID

Sample ID: S109143-01 DeSoto County Split Sampling
FTG - 005 Water Sampled: 09/16/21 10:20

GA 15

Containers:

J. Cooper
Released By

Michael ...
Received By

9-21-21 @ 11:10
Date

Released By

Received By

Date