



Analytical Laboratory Report

Report ID: S70958.01(01)
Generated on 01/25/2016

Report to

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Report Summary

Lab Sample ID(s): S70958.01-S70958.03
Project: Flint River Testing
Collected Date: 01/21/2016 - 01/22/2016
Submitted Date/Time: 01/22/2016 14:24
Sampled by: Jaime Welch
P.O. #:

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Maya Murshak
Technical Director



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General Report Notes

Results relate only to items tested as received by laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Full accreditation certificates are available upon request.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

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Report Narrative

There is no additional narrative for this analytical report



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Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods



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Method Summary

Method	Version
E200.8	EPA Method 200.8 Revision 5.4
E325.3	EPA Method 325.3 Editorial Revision 1978
SW3015A	SW 846 Method 3015A Revision 1 February 2007



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Sample Summary (3 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S70958.01	Site 1 Irish Rd	Water	01/21/16 17:15
S70958.02	Site 2 E. Blvd	Water	01/21/16 17:45
S70958.03	Site 3 Francisco Rd Flushing	Water	01/22/16 13:20



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Lab Sample ID: S70958.01
 Sample Tag: Site 1 Irish Rd
 Collected Date/Time: 01/21/2016 17:15
 Matrix: Water
 COC Reference: 80506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.2	IR
1	250ml Plastic	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	01/25/16 12:00	PER		
Inorganics								
Chloride	49	mg/L	10	E325.3	01/22/16 15:38	JBL	16887-00-6	
Metals								
Lead	Not detected	mg/L	0.001	E200.8	01/25/16 15:05	PER	7439-92-1	



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Lab Sample ID: S70958.02
Sample Tag: Site 2 E. Blvd
Collected Date/Time: 01/21/2016 17:45
Matrix: Water
COC Reference: 80506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.2	IR
1	250ml Plastic	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	01/25/16 12:00	PER		
Inorganics								
Chloride	52	mg/L	10	E325.3	01/22/16 15:44	JBL	16887-00-6	
Metals								
Lead	Not detected	mg/L	0.001	E200.8	01/25/16 15:07	PER	7439-92-1	



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Lab Sample ID: S70958.03
Sample Tag: Site 3 Francisco Rd Flushing
Collected Date/Time: 01/22/2016 13:20
Matrix: Water
COC Reference: 80506

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125ml Plastic	HNO3	Yes	5.2	IR
1	250ml Plastic	None	Yes	5.2	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
Metal Digestion	Completed			SW3015A	01/25/16 12:00	PER		
Inorganics								
Chloride	86	mg/L	10	E325.3	01/22/16 15:50	JBL	16887-00-6	
Metals								
Lead	Not detected	mg/L	0.001	E200.8	01/25/16 15:08	PER	7439-92-1	

