



ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Laboratory Report

Prepared For:

**Safety-Kleen Corporation - Elgin
1502 E. Villa Street
Elgin, IL 60120**

Attention: Mr. Bob Schoepke

Report Number: AUK0547

March 07, 2012

Project: Tampa, FL

Project #:110859-0100

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Approved:


Project Manager

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All test results relate only to the samples analyzed.



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ANALYTICAL REPORT FOR SAMPLES

<u>Sample ID</u>	<u>Laboratory ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
Septic Tank	AUK0547-01	Waste Water	11/16/11 09:20	11/17/11 09:45



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Case Narrative

Revised report 03/07/12:
Per client request, report Fe and Mn on Septic Tank (AUK0547-01) sample only.



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Report No.: AUK0547

Project: Tampa, FL

Client ID: Septic Tank

Lab Number ID: AUK0547-01

Date/Time Sampled: 11/16/2011 9:20:00AM

Date/Time Received: 11/17/2011 9:45:00AM

Matrix: Waste Water

Analyte	Result	RL	MDL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Metals, Total											
Iron	0.554	0.040	0.001	mg/L	EPA 6010C		1	11/29/11 09:25	11/29/11 16:55	1110695	FBS
Manganese	0.033	0.040	0.001	mg/L	EPA 6010C	J	1	11/29/11 09:25	11/29/11 16:55	1110695	FBS



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Metals, Total - Quality Control

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1110695 - EPA 3010A											
Blank (1110695-BLK1)						Prepared & Analyzed: 11/29/11					
Iron	ND	0.040	0.005	mg/L							
Manganese	ND	0.040	0.001	mg/L							
LCS (1110695-BS1)						Prepared & Analyzed: 11/29/11					
Iron	1.03	0.040	0.005	mg/L	1.0000		103	80-120			
Manganese	1.01	0.040	0.001	mg/L	1.0000		101	80-120			
Matrix Spike (1110695-MS1)						Source: AUK0550-01		Prepared & Analyzed: 11/29/11			
Iron	1.12	0.040	0.005	mg/L	1.0000	0.095	103	75-125			
Manganese	1.22	0.040	0.001	mg/L	1.0000	0.214	101	75-125			
Matrix Spike Dup (1110695-MSD1)						Source: AUK0550-01		Prepared & Analyzed: 11/29/11			
Iron	1.13	0.040	0.005	mg/L	1.0000	0.095	104	75-125	0.9	20	
Manganese	1.22	0.040	0.001	mg/L	1.0000	0.214	101	75-125	0.08	20	
Post Spike (1110695-PS1)						Source: AUK0550-01		Prepared & Analyzed: 11/29/11			
Iron	1.13			mg/L	1.0000	0.095	103	80-120			
Manganese	1.20			mg/L	1.0000	0.214	99	80-120			



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Laboratory Certifications

Code	Description	Number	Expires
LA	Louisiana	02069	06/30/2012
NC	North Carolina	381	12/31/2012
NELAC	NELAC (Non-Potable Water, Solids)	E87315	06/30/2012
SC	South Carolina	98011001	06/30/2012
TX	Texas	T104704397-08-TX	03/31/2012
VA	Virginia	1340	12/14/2012



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Legend

Definition of Laboratory Terms

- ND** - Not Detected at levels equal to or greater than the MDL
BRL - Not Detected at levels equal to or greater than the RL
RL - Reporting Limit **MDL** - Method Detection Limit
SOP - Method run per ASI Standard Operating Procedure
CFU - Colony Forming Units
DF - Dilution Factor **TIC** - Tentatively Identified Compound
* - Analyte not included in the NELAC list of certified analytes.

Sample Information

N-Nitrosodiphenylamine breaks down to diphenylamine in the GCMS; both analytes are reported as N-Nitrosodiphenylamine. ASI is not NELAC certified for N-Nitrosodiphenylamine.

Phthalic acid and phthalic anhydride are reported as dimethyl phthalate

Maleic acid and maleic anhydride are reported as dimethyl malate

1,2-Diphenylhydrazine breaks down to azobenzene in the GCMS; both analytes are reported as azobenzene

Definition of Qualifiers

- J** Estimated value less than Reporting Limit (RL) but greater than Method Detection Limit(MDL) (CLP J-Flag).

Note: Unless otherwise noted, all results are reported on an as received basis.



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LOG-IN CHECKLIST

Printed: 3/7/2012 11:43:08AM

Attn: Mr. Bob Schoepke

Client: Safety-Kleen Corporation - Elgin

Project: Tampa, FL

Date Received: 11/17/11 09:45

Work Order: AUK0547

Logged In By: Charles Hawks

OBSERVATIONS

#Samples: 3

#Containers: 15

Minimum Temp(C): 1.0

Maximum Temp(C): 1.0

Custody Seal(s) Used: Yes

CHECKLIST ITEMS

COC included with Samples	YES
Sample Container(s) Intact	YES
Chain of Custody Complete	YES
Sample Container(s) Match COC	YES
Custody seal Intact	YES
Temperature in Compliance	YES
Sufficient Sample Volume for Analysis	YES
Zero Headspace Maintained for VOA Analyses	YES
Samples labeled preserved (If Applicable)	YES
Samples received within Allowable Hold Times	YES
Samples Received on Ice	YES
Preservation Confirmed	YES

Comments: