

Laboratory Sample #: 373802		Client Sample ID: GS-SS-1 Smith Res.		Sampled: 11/23/2004 15:15	
Total Mercury Analyzed by PAM on December 02, 2004 at 11:25.		Method: EPA245.5/SW7471A Prepped by PAM on December 01, 2004 at 10:00.		Prep. Method: SW7471	
Parameter	Result	Units	Reporting Limit	Client Limit	Qualifier
Total Mercury	0.011	mg/Kg	0.010	N/A	Q
Total Metals Analyzed by PAM on November 30, 2004 at 13:12.		Method: SW6010B Prepped by PAM on November 30, 2004 at 10:00.		Prep. Method: SW 3050B	
Parameter	Result	Units	Reporting Limit	Client Limit	Qualifier
Total Arsenic	6.26	mg/Kg	4.89	N/A	
Total Cadmium	< 0.489	mg/Kg	0.489	N/A	
Total Chromium	9.07	mg/Kg	0.978	N/A	
Total Copper	17	mg/Kg	0.489	N/A	
Total Iron	8,910	mg/Kg	4.89	N/A	
Total Magnesium	1,570	mg/Kg	4.89	N/A	
Total Manganese	177	mg/Kg	0.978	N/A	
Total Sodium	< 196	mg/Kg	196	N/A	
Total Zinc	35	mg/Kg	4.89	N/A	
3260 Sub Sub-Contracted Result. Please See Attached.		Method: N/A		Prep. Method: N/A	

All samples were received intact and properly preserved unless otherwise noted.

The results reported relate only to the samples tested.

This report shall not be reproduced except in full, without written approval of this laboratory.



Submitted by: James Frey

Client Manager: James Frey
 Please contact James Frey with any questions.

Specific tests covered by A2LA and NELAC accreditations meet the requirements of these accreditation standards.



Credited Lab Data for Today's Environment

2520 Regency Rd.
Lexington, KY 40503
Phone: 859-276-3506
Toll Free: 800-489-3506
Fax: 859-278-5665

E-mail: info@envirodatagroup.com

Data Qualifiers

Qualifier	Description
A	E. coli present.
A'	E. coli absent.
B	Analyte detected in associated MB.
C	Sample result confirmed.
D	Results reported from dilution.
E	Analyte concentration exceeds calibration range.
F	Unable to analyze due to sample matrix interference.
H	Sample was received or analyzed past the established holding time.
J	Estimated concentration.
K	Sample contained lighter hydrocarbon fractions.
L	Sample contained heavier hydrocarbon fractions.
M	MS and/or MSD recovery outside acceptance limits.
N	Presumptive evidence of analyte present.
O	Sample hydrocarbon pattern does not match calibration standard pattern.
P	Percent difference between primary and secondary column concentrations exceeds acceptance limit.
Q	LCS outside acceptance limits.
R	Data unusable.
S	Surrogate outside acceptance limits on initial and reanalysis.
S'	Surrogates diluted below detection.
T	Sample received improperly preserved.
U	Analyte not detected.
W	Raised quantitation or reporting limit due to limited sample volume.
Y	Replicate/Duplicate precision outside acceptance limits.
Z'	Calibration criteria exceeded but for this situation acceptable by method.
Z	Calibration criteria exceeded.
M'	Result from Method of Standard Additions (MSA).
Q'	LCS/LCD analyzed due to insufficient sample for MS/MSD.

The uncertainty of analytical results can be calculated using the following equation:

$$n = t \cdot s / 1.414$$

where

t=12.706 (Students t value for 95% confidence interval of two replicates)

s= standard deviation of sample and duplicate data

1.414 is square root of the number of replicates (two)

Abbreviations

- Laboratory Control Sample (LCS)
- Laboratory Control Duplicate (LCD)
- Matrix Spike (MS)
- Matrix Spike Duplicate (MSD)
- Method Blank (MB)

FREE-COL LABORATORIES

11618 COTTON ROAD
MEADVILLE, PENNSYLVANIA 16335
PHONE: (814) 724-6242
FAX: (814) 333-1466
EMAIL: service@freecol.com

Certificate Of Analysis

Delivery Group ID: 2004:0013326

2 Sample(s) are included in this Delivery Group.

Company Name: Enviro Data Group, LLC

Date Received: 12/4/04

Contact Name: Mr. James Frey

Time Received: 13:45

Delivered By: Fed Ex

2520 Regency Rd.
Lexington KY 40503

P.O. 1204004

Project Name: Martin Co. Spill

Printed on 12/14/2004 at 11:24AM

Sample ID:	Client's Sample ID:	SW-SS-1	Date Received:	12/4/04		
Date Sampled:	Time Sampled:	14:45				
Analyte	Result	Units Analyzed	Date	Start Time	Analyst	Method Source
Prep Group						
Prep: Semi-Volatile Soxhlet Extraction			12/08/04	16:30	Hindie	SW-846 3540C
Organics						
Acrylamide	<2.5	mg/kg	12/09/04	15:35	Davis	SW-846 8270C
General Chemistry						
Solids, %	71.6	%	12/06/04	09:00	Davis	SM 2540 G

Results expressed as mg/kg are calculated on a dry weight basis.
The sample holding time for Acrylamide analysis had expired at the laboratory. The analysis was performed at the client's request.

Sample ID:	Client's Sample ID:	GS-SS-1	Date Received:	12/4/04		
Date Sampled:	Time Sampled:	15:15				
Analyte	Result	Units Analyzed	Date	Start Time	Analyst	Method Source
Prep Group						
Prep: Semi-Volatile Soxhlet Extraction			12/08/04	16:30	Hindie	SW-846 3540C
Organics						
Acrylamide	<2.5	mg/kg	12/09/04	16:21	Davis	SW-846 8270C
General Chemistry						
Solids, %	85.3	%	12/06/04	09:00	Davis	SM 2540 G

Results expressed as mg/kg are calculated on a dry weight basis.
The sample holding time for Acrylamide analysis had expired at the laboratory. The analysis was performed at the client's request.

John R. Parasta

QUALITY ASSURANCE SUPERVISOR