Quanterra

REC'D

JUL 06 1999

RESP

CASE NARRATIVE

North American Galvanizing
1461 Kinard Ct.
St. Louis, MO 63132
Attn.: Eddie Sloan

May 27, 1999

Quanterra Project Number	: 858.01
SDG/ Login Number	: 21307
Date Received by Lab	: May 12, 1999
Number of Samples	: One
Sample Matrix	: Solid

I. Introduction

On May 12, 1999 samples were received at the Quanterra St. Louis laboratory from the Bridgeton Landfill Authority. A listing of the samples and the Quanterra identification numbers is attached. A listing of the abbreviations and data qualifiers used with the laboratory data is also attached.

II. Analytical Results/Methodology

The analytical results for this report are presented by analytical tests. Each set of data will include sample identification information, the analytical results, and the appropriate detection limits.

III. Quality Control

The QA/QC information can be found immediately following the analytical data. This QA/QC data are used to assess the laboratory's accuracy and precision during the analytical procedure.

IV. Comments/Nonconformances

There were no nonconformances experienced with these samples.

Respectfully submitted,

John Powell
Project Manager

R00141793
RCRA RECORDS CENTER

Quanterra ID	Client ID	Matrix	Date Collected	Date Received
21307-001	SAND	Solid	12-May-99	12-May-99

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Abbreviations and Data Qualifiers

NC	No criteria at this time
NA	Not applicable
ND	Non - detect
PCI/L	Picocuries per liter
PCI/G	Picocuries per gram
MG/L	Milligrams per liter
UG/L	Micrograms per liter
MG/KG	Milligrams per kilogram
UG/G	Micrograms per gram
%REC	Percent Recovery
QCBLK	Method Blank
QCLCS	Laboratory Control Sample
CRDL	Customer Required Detection Limit
RPD	Relative Percent Difference
DL	PQL
J	Estimated Value (Organics only)
D	Diluted
U	Non - Detect
B	Value greater than IDL but less than CRDL (Metals only)
B	Analyte found in the blank (Organics only)
E	Exceeds calibration
E	FOUND IN FULL CLP TYPE DATA PACKAGE METALS ONLY: Serial diution result for samples with concentrations greater than 50 times the IDL are not within 10% of the original sample result.
N	FOUND IN FULL CLP TYPE DATA PACKAGE METALS ONLY: Matrix Spike or matrix spike duplicate is outside expected recovery limits.
IDL	Instrument detection limit
MDL	Method detection limit
MDA	Minimal detectable activity

North American Galvanizing
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Project: 858.01

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Sample Date : 05/12/99
Receipt Date : 05/12/99
Report Date : 05/26/99

Category : TCLP Metals
Matrix : Solid

Client ID: SAND

Quanterra ID : 21307-001

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Mercury	EPA 7470	05/20/99	05/24/99	05/24/99	ND	MG/L		0.00080	0.20	4
Arsenic	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		1.2	5.0	4
Barium	EPA 6010	05/20/99	05/24/99	05/25/99	0.17	MG/L	B	0.80	100	4
Cadmium	EPA 6010	05/20/99	05/24/99	05/25/99	0.0039	MG/L	B	0.020	1.0	4
Chromium	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		0.040	5.0	4
Lead	EPA 6010	05/20/99	05/24/99	05/25/99	0.055	MG/L	B	0.40	5.0	4
Selenium	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		1.0	1.0	4
Silver	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		0.040	5.0	4

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Project: 858.01

Sample Date : NA
Receipt Date : NA
Report Date : 05/26/99

Category : TCLP Metals
Matrix : Solid

Client ID: NA

Quanterra ID : EXTBLK199710-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Mercury	EPA 7470	05/20/99	05/24/99	05/24/99	ND	MG/L		0.00080	0.20	4
Arsenic	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		1.2	5.0	4
Barium	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		0.80	100	4
Cadmium	EPA 6010	05/20/99	05/24/99	05/25/99	0.0066	MG/L	B	0.020	1.0	4
Chromium	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		0.040	5.0	4
Lead	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		0.40	5.0	4
Selenium	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		1.0	1.0	4
Silver	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		0.040	5.0	4

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Sample Date : NA
Receipt Date : NA
Report Date : 05/26/99

Category : TCLP Metals
Matrix : Solid

Client ID: NA

Quanterra ID : QCLCS199902-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Mercury	EPA 7470	NA	05/24/99	05/24/99	102	%REC				1

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Project: 858.01

Sample Date : NA
Receipt Date : NA
Report Date : 05/26/99

Quanterra ID : QCLCS199909-1

Category : TCLP Metals
Matrix : Water

Client ID: NA

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Arsenic	EPA 6010	NA	05/24/99	05/25/99	102	%REC				1
Barium	EPA 6010	NA	05/24/99	05/25/99	103	%REC				1
Cadmium	EPA 6010	NA	05/24/99	05/25/99	100	%REC				1
Chromium	EPA 6010	NA	05/24/99	05/25/99	96	%REC				1
Lead	EPA 6010	NA	05/24/99	05/25/99	96	%REC				1
Selenium	EPA 6010	NA	05/24/99	05/25/99	99	%REC				1
Silver	EPA 6010	NA	05/24/99	05/25/99	99	%REC				1

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Project: 858.01

Sample Date : NA
Receipt Date : NA
Report Date : 05/26/99

Category : TCLP Metals
Matrix : Solid

Client ID: NA

Quanterra ID : QCBLK199902-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Mercury	EPA 7470	NA	05/24/99	05/24/99	ND	MG/L		0.00020	0.20	1

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Project: 858.01

Sample Date : NA
Receipt Date : NA
Report Date : 05/26/99

Category : TCLP Metals
Matrix : Water

Client ID: NA

Quanterra ID : QCBLK199909-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Arsenic	EPA 6010	NA	05/24/99	05/25/99	ND	MG/L		0.30	5.0	1
Barium	EPA 6010	NA	05/24/99	05/25/99	ND	MG/L		0.20	100	1
Cadmium	EPA 6010	NA	05/24/99	05/25/99	ND	MG/L		0.0050	1.0	1
Chromium	EPA 6010	NA	05/24/99	05/25/99	ND	MG/L		0.010	5.0	1
Lead	EPA 6010	NA	05/24/99	05/25/99	ND	MG/L		0.10	5.0	1
Selenium	EPA 6010	NA	05/24/99	05/25/99	ND	MG/L		0.25	1.0	1
Silver	EPA 6010	NA	05/24/99	05/25/99	ND	MG/L		0.010	5.0	1

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Project: 858.01

Sample Date : NA
Receipt Date : NA
Report Date : 05/27/99

Category : TCLP Metals
Matrix : Solid

Client ID: NA

Quanterra ID : EXTBLK199710-1

Analyte	Method	Extract Date	Prep Date	Analyses Date	Result	Units	Qual.	Detection Limit	Regulatory Level	Dilution
Mercury	EPA 7470	05/20/99	05/24/99	05/24/99	ND	MG/L		0.00020	0.20	1
Arsenic	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		0.30	5.0	1
Barium	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		0.20	100	1
Cadmium	EPA 6010	05/20/99	05/24/99	05/25/99	0.0017	MG/L	B	0.0050	1.0	1
Chromium	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		0.010	5.0	1
Lead	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		0.10	5.0	1
Selenium	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		0.25	1.0	1
Silver	EPA 6010	05/20/99	05/24/99	05/25/99	ND	MG/L		0.010	5.0	1