



June 26, 2009

Charles E. Martin
Modern Safety Techniques
11370 Breininger Road
Hicksville, OH 43526

Order No: 0906168

TEL: (419) 542-6645
FAX: (419) 542-6475

RE:

Dear Charles E. Martin:

DHL Analytical received 2 sample(s) on 6/18/2009 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

A handwritten signature in black ink that reads "John DuPont". The signature is written in a cursive style.

John DuPont
Lab Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number:
T104704211-09-TX



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Sample Receipt Checklist

Client Name Modern Safety Techniques

Date Received: 6/18/2009

Work Order Number 0906168

Received by JB

Checklist completed by: [Signature] Date: [Date] Reviewed by: [Initials] [Date]

Carrier name: UPS Blue

- Shipping container/cooler in good condition? Yes [checked] No [] Not Present []
Custody seals intact on shipping container/cooler? Yes [] No [] Not Present [checked]
Custody seals intact on sample bottles? Yes [] No [] Not Present [checked]
Chain of custody present? Yes [checked] No []
Chain of custody signed when relinquished and received? Yes [checked] No []
Chain of custody agrees with sample labels? Yes [checked] No []
Samples in proper container/bottle? Yes [checked] No []
Sample containers intact? Yes [checked] No []
Sufficient sample volume for indicated test? Yes [checked] No []
All samples received within holding time? Yes [checked] No []
Container/Temp Blank temperature in compliance? Yes [checked] No [] 24.4 °C
Water - VOA vials have zero headspace? Yes [] No [] No VOA vials submitted [checked]
Water - pH acceptable upon receipt? Yes [] No [] Not Applicable [checked]

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

CLIENT: Modern Safety Techniques
Project:
Lab Order: 0906168

CASE NARRATIVE

The samples were analyzed using the method outlined in the following reference:

Method SW1311/6020 - TCLP Metals

LOG IN

A total of 2 samples were received and logged-in on 6/18/2009. The samples arrived in good condition and were properly packaged.

TCLP METALS ANALYSIS

For TCLP Metals analysis, Copper was detected below the reporting limit for the TCLP Method Blank (MB-35621 TCLP). All associated samples showed Copper at greater than ten times the concentration detected in the TCPL MB. This analyte was not detected in the Method Blank for this batch (MB-35630). No further corrective actions were taken.

All sample results were below TCLP or RCRA characterization limits. The samples are therefore non-hazardous for the parameters that were analyzed.

CLIENT: Modern Safety Techniques
Project:
Lab Order: 0906168

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
0906168-01	606212		06/15/09 01:00 PM	06/18/09
0906168-02	906092		06/15/09 01:00 PM	06/18/09

CLIENT: Modern Safety Techniques
 Project:
 Lab Order: 0906168

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0906168-01A	606212	06/15/09 01:00 PM	Solid	SW3005A	Aq Prep Metals : ICP-MS	06/24/09 09:00 AM	35630
	606212	06/15/09 01:00 PM	Solid	SW3005A	Aq Prep Metals : ICP-MS	06/24/09 09:00 AM	35630
0906168-02A	906092	06/15/09 01:00 PM	Solid	SW3005A	Aq Prep Metals : ICP-MS	06/24/09 09:00 AM	35630
	906092	06/15/09 01:00 PM	Solid	SW3005A	Aq Prep Metals : ICP-MS	06/24/09 09:00 AM	35630

CLIENT: Modern Safety Techniques
Project:
Lab Order: 0906168

TCLP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0906168-01A	606212	06/15/09 01:00 PM	Solid	SW1311	TCLP Sample Prep (Metals)	06/23/09 04:30 PM	35621
0906168-02A	906092	06/15/09 01:00 PM	Solid	SW1311	TCLP Sample Prep (Metals)	06/23/09 04:30 PM	35621

CLIENT: Modern Safety Techniques
 Project:
 Lab Order: 0906168

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0906168-01A	606212	Solid	SW1311/6020	TCLP Metals	35630	1	06/24/09 03:18 PM	ICP-MS2_090624A
	606212	Solid	SW1311/6020	TCLP Metals	35630	50	06/24/09 04:40 PM	ICP-MS2_090624A
0906168-02A	906092	Solid	SW1311/6020	TCLP Metals	35630	1	06/24/09 03:23 PM	ICP-MS2_090624A
	906092	Solid	SW1311/6020	TCLP Metals	35630	100	06/24/09 04:45 PM	ICP-MS2_090624A

CLIENT: Modern Safety Techniques

Client Sample ID: 606212

Project:

Lab ID: 0906168-01

Project No:

Collection Date: 06/15/09 01:00 PM

Lab Order: 0906168

Matrix: Solid

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TCLP Metals		SW1311/6020					Analyst: KW
Copper	262	1.00	5.00		mg/L	50	06/24/09 04:40 PM
Nickel	0.911	0.0300	0.100		mg/L	1	06/24/09 03:18 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

CLIENT: Modern Safety Techniques

Client Sample ID: 906092

Project:

Lab ID: 0906168-02

Project No:

Collection Date: 06/15/09 01:00 PM

Lab Order: 0906168

Matrix: Solid

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TCLP Metals		SW1311/6020					Analyst: KW
Copper	508	2.00	10.0		mg/L	100	06/24/09 04:45 PM
Nickel	17.8	0.0300	0.100		mg/L	1	06/24/09 03:23 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

CLIENT: Modern Safety Techniques
 Work Order: 0906168
 Project:

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_090624A

Sample ID:	MB-35630	Batch ID:	35630	TestNo:	SW1311/6020	Units:	mg/L			
SampType:	MBLK	Run ID:	ICP-MS2_090624A	Analysis Date:	06/24/09 02:51 PM	Prep Date:	06/24/09			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Copper	ND	0.0100								
Nickel	ND	0.0100								

Sample ID:	MB-35621 TCLP	Batch ID:	35630	TestNo:	SW1311/6020	Units:	mg/L			
SampType:	MBLK	Run ID:	ICP-MS2_090624A	Analysis Date:	06/24/09 02:56 PM	Prep Date:	06/24/09			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Copper	0.0347	0.100								
Nickel	ND	0.100								

Sample ID:	LCS-35630	Batch ID:	35630	TestNo:	SW1311/6020	Units:	mg/L			
SampType:	LCS	Run ID:	ICP-MS2_090624A	Analysis Date:	06/24/09 03:02 PM	Prep Date:	06/24/09			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Copper	0.196	0.0100	0.2000	0	97.8	80	120			
Nickel	0.199	0.0100	0.2000	0	99.6	80	120			

Sample ID:	LCSD-35630	Batch ID:	35630	TestNo:	SW1311/6020	Units:	mg/L			
SampType:	LCSD	Run ID:	ICP-MS2_090624A	Analysis Date:	06/24/09 03:07 PM	Prep Date:	06/24/09			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Copper	0.196	0.0100	0.2000	0	98.2	80	120	0.357	15	
Nickel	0.196	0.0100	0.2000	0	98.2	80	120	1.47	15	

Sample ID:	0906201-01A SD	Batch ID:	35630	TestNo:	SW1311/6020	Units:	mg/L			
SampType:	SD	Run ID:	ICP-MS2_090624A	Analysis Date:	06/24/09 04:18 PM	Prep Date:	06/24/09			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Copper	0	0.500	0	0.02442				0	10	
Nickel	0	0.500	0	0				0	10	

Sample ID:	0906201-01A PDS	Batch ID:	35630	TestNo:	SW1311/6020	Units:	mg/L			
SampType:	PDS	Run ID:	ICP-MS2_090624A	Analysis Date:	06/24/09 04:24 PM	Prep Date:	06/24/09			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Copper	1.82	0.100	2.000	0.02442	89.8	75	125			
Nickel	1.81	0.100	2.000	0	90.7	75	125			

Sample ID:	0906201-01A MS	Batch ID:	35630	TestNo:	SW1311/6020	Units:	mg/L			
SampType:	MS	Run ID:	ICP-MS2_090624A	Analysis Date:	06/24/09 04:29 PM	Prep Date:	06/24/09			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Copper	1.88	0.100	2.000	0.02442	92.6	80	120			
Nickel	1.87	0.100	2.000	0	93.4	80	120			

Sample ID:	0906201-01A MSD	Batch ID:	35630	TestNo:	SW1311/6020	Units:	mg/L			
SampType:	MSD	Run ID:	ICP-MS2_090624A	Analysis Date:	06/24/09 04:34 PM	Prep Date:	06/24/09			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Copper	1.84	0.100	2.000	0.02442	90.8	80	120	1.99	15	
Nickel	1.85	0.100	2.000	0	92.6	80	120	0.860	15	

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified

CLIENT: Modern Safety Techniques
 Work Order: 0906168
 Project:

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_090624A

Sample ID:	ICV1-090624	Batch ID:	R43965	TestNo:	SW1311/6020	Units:	mg/L			
SampType:	ICV	Run ID:	ICP-MS2_090624A	Analysis Date:	06/24/09 02:23 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Copper	0.102	0.0100	0.100	0	102	90	110			
Nickel	0.101	0.0100	0.100	0	101	90	110			

Sample ID:	CCV1-090624	Batch ID:	R43965	TestNo:	SW1311/6020	Units:	mg/L			
SampType:	CCV	Run ID:	ICP-MS2_090624A	Analysis Date:	06/24/09 03:51 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Copper	0.211	0.0100	0.200	0	106	90	110			
Nickel	0.200	0.0100	0.200	0	100	90	110			

Sample ID:	CCV2-090624	Batch ID:	R43965	TestNo:	SW1311/6020	Units:	mg/L			
SampType:	CCV	Run ID:	ICP-MS2_090624A	Analysis Date:	06/24/09 04:50 PM	Prep Date:				
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Copper	0.197	0.0100	0.200	0	98.5	90	110			
Nickel	0.198	0.0100	0.200	0	99.0	90	110			

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	J	Analyte detected between SDL and RL
	ND	Not Detected at the Method Detection Limit	N	Parameter not NELAC certified