



ANALYTICS CORPORATION
 8040 VILLA PARK DRIVE, SUITE 250
 RICHMOND, VIRGINIA 23228
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Group No. F268-003
 Account No. 45209005
 Report Date: 09/26/01
 DEL MERRINER
 AMERICAN MEDICAL LABORATORIES
 INDUSTRIAL HYGIENE DEPARTMENT
 P O BOX 10841
 CHANTILLY, VA 22021-3718

Final Report

Date Received: 09/25/01
 Sample Type: 2 - Air Sample(s)
 Project: 7673-173979

PO Number:

Analytical Results

Lab	Parameter	Volume	Amount	LOQ	Concentration	Analysis
-001	08-760337	Silica Gel	200/400 (Specially Cleaned)			
-	HBr Front		< 5.00 ug	5 ug		09/25/01
-	HBr Rear		ND	5 ug		09/25/01
-	HBr Total	64.4 L	< 5.00 ug	5 ug	< 0.078 mg/M3	09/25/01
-	HCl Front		5.24 ug	2.5 ug		09/25/01
-	HCl Rear		ND	2.5 ug		09/25/01
-	HCl Total	64.4 L	5.24 ug	2.5 ug	0.081 mg/M3	09/25/01
-	HF Front		< 10.0 ug	10 ug		09/25/01
-	HF Rear		ND	10 ug		09/25/01
-	HF Total	64.4 L	< 10.0 ug	10 ug	< 0.155 mg/M3	09/25/01
-	HNO3 Front		< 5.00 ug	5 ug		09/25/01
-	HNO3 Rear		ND	5 ug		09/25/01
-	HNO3 Total	64.4 L	< 5.00 ug	5 ug	< 0.078 mg/M3	09/25/01
-	H3PO4 Front		< 10.0 ug	10 ug		09/25/01
-	H3PO4 Rear		ND	10 ug		09/25/01
-	H3PO4 Total	64.4 L	< 10.0 ug	10 ug	< 0.155 mg/M3	09/25/01
-	H2SO4 Front		9.39 ug	5 ug		09/25/01
-	H2SO4 Rear		ND	5 ug		09/25/01
-	H2SO4 Total	64.4 L	9.39 ug	5 ug	0.146 mg/M3	09/25/01
-002	08-760338	Silica Gel	200/400 (Specially Cleaned)			
-	HBr Front		< 5.00 ug	5 ug		09/25/01
-	HBr Rear		ND	5 ug		09/25/01
-	HBr Total	0 L	< 5.00 ug	5 ug	--	09/25/01
-	HCl Front		< 2.50 ug	2.5 ug		09/25/01

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Quality Industrial Hygiene and Environmental Laboratory Testing

06.002460

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CITY_21MC100_003416461

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008



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Lab	Parameter	Volume	Amount	LOQ	Concentration	Analysis
-	HCl Rear		ND	2.5 ug		09/25/01
-	HCl Total	0 L	< 2.50 ug	2.5 ug	--	09/25/01
-	HF Front		< 10.0 ug	10 ug		09/25/01
-	HF Rear		ND	10 ug		09/25/01
-	HF Total	0 L	< 10.0 ug	10 ug	--	09/25/01
-	HNO3 Front		< 5.00 ug	5 ug		09/25/01
-	HNO3 Rear		ND	5 ug		09/25/01
-	HNO3 Total	0 L	< 5.00 ug	5 ug	--	09/25/01
-	H3PO4 Front		< 10.0 ug	10 ug		09/25/01
-	H3PO4 Rear		ND	10 ug		09/25/01
-	H3PO4 Total	0 L	< 10.0 ug	10 ug	--	09/25/01
-	H2SO4 Front		< 5.00 ug	5 ug		09/25/01
-	H2SO4 Rear		ND	5 ug		09/25/01
-	H2SO4 Total	0 L	< 5.00 ug	5 ug	--	09/25/01

Abbreviations: ug = micrograms, mg = milligrams, mg/M3 = milligrams per cubic meter of air, g = grams, ug/M3 = micrograms per cubic meter of air, L = liters, w/w = percent weight basis, all Volumes given in liters, ppm = parts per million, ppb = parts per billion, Areas given in square feet; ND = Not Detected.

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Summary of Analytical Methods

Compound Name	Analytical Method	Abbreviation
Hydrobromic Acid Total	NIOSH 7903	HBr Total
Hydrochloric Acid Total	NIOSH 7903	HCl Total
Hydrofluoric Acid Total	NIOSH 7903	HF Total
Nitric Acid Total	NIOSH 7903	HNO3 Total
Phosphoric Acid Total	NIOSH 7903	H3PO4 Total
Sulfuric Acid Total	NIOSH 7903	H2SO4 Total

Notes

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