



ANALYTICAL REPORT

Report Date: December 30, 2008

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Client Project ID: **Tetra Tech 122208**
DCL Workorder: **8357020**
DCL Project Manager: Rand Potter

Analytical Results

Sample ID: CAMU A1-121708	Media: SKC 226-10-03 Sorbent Tube, Treated Silica Gel Tube	Collected: 12/17/2008
Lab ID: 8357020001		Received: 12/20/2008
Sampling Location: BMI-CAMU		

Method: NIOSH 7903		Sampling Parameter: Air Volume 60 L		Analyzed: 12/24/2008
Analyte	ug/sample	mg/m ³	ppm	RL (ug/sample)
Hydrofluoric acid	<0.53	<0.0088	<0.011	0.53
Hydrochloric acid	0.87	0.015	0.0098	0.52
Hydrobromic acid	<0.51	<0.0085	<0.0026	0.51
Nitric acid	<0.51	<0.0085	<0.0033	0.51
Phosphoric acid	<0.52	<0.0087	<0.0022	0.52
Sulfuric acid	7.6	0.13	0.032	0.52

Sample ID: CAMU A2-121708	Media: SKC 226-10-03 Sorbent Tube, Treated Silica Gel Tube	Collected: 12/17/2008
Lab ID: 8357020002		Received: 12/20/2008
Sampling Location: BMI-CAMU		

Method: NIOSH 7903		Sampling Parameter: Air Volume 60.8 L		Analyzed: 12/24/2008
Analyte	ug/sample	mg/m ³	ppm	RL (ug/sample)
Hydrofluoric acid	<0.53	<0.0087	<0.011	0.53
Hydrochloric acid	0.83	0.014	0.0091	0.52
Hydrobromic acid	<0.51	<0.0084	<0.0025	0.51
Nitric acid	0.63	0.010	0.0040	0.51
Phosphoric acid	<0.52	<0.0086	<0.0021	0.52
Sulfuric acid	<0.52	<0.0086	<0.0021	0.52

Sample ID: CAMU A1-121808	Media: SKC 226-10-03 Sorbent Tube, Treated Silica Gel Tube	Collected: 12/18/2008
Lab ID: 8357020003		Received: 12/20/2008
Sampling Location: BMI-CAMU		

Method: NIOSH 7903		Sampling Parameter: Air Volume 74.8 L		Analyzed: 12/24/2008
Analyte	ug/sample	mg/m ³	ppm	RL (ug/sample)
Hydrofluoric acid	<0.53	<0.0071	<0.0087	0.53
Hydrochloric acid	<0.52	<0.0070	<0.0047	0.52

Results Continued on Next Page

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DCL Workorder: **8357020**
DCL Project Manager: Rand Potter

Analytical Results

Sample ID: CAMU A1-121808	Media: SKC 226-10-03 Sorbent Tube, Treated Silica Gel Tube	Collected: 12/18/2008
Lab ID: 8357020003		Received: 12/20/2008
Sampling Location: BMI-CAMU		

Method: NIOSH 7903		Sampling Parameter: Air Volume 74.8 L		Analyzed: 12/24/2008	
Analyte	ug/sample	mg/m³	ppm	RL (ug/sample)	
Hydrobromic acid	<0.51	<0.0068	<0.0021	0.51	
Nitric acid	<0.51	<0.0068	<0.0027	0.51	
Phosphoric acid	<0.52	<0.0070	<0.0017	0.52	
Sulfuric acid	<0.52	<0.0070	<0.0017	0.52	

Sample ID: CAMU A3-121808	Media: SKC 226-10-03 Sorbent Tube, Treated Silica Gel Tube	Collected: 12/18/2008
Lab ID: 8357020004		Received: 12/20/2008
Sampling Location: BMI-CAMU		

Method: NIOSH 7903		Sampling Parameter: Air Volume 74.8 L		Analyzed: 12/24/2008	
Analyte	ug/sample	mg/m³	ppm	RL (ug/sample)	
Hydrofluoric acid	<0.53	<0.0071	<0.0087	0.53	
Hydrochloric acid	<0.52	<0.0070	<0.0047	0.52	
Hydrobromic acid	<0.51	<0.0068	<0.0021	0.51	
Nitric acid	0.73	0.0098	0.0038	0.51	
Phosphoric acid	<0.52	<0.0070	<0.0017	0.52	
Sulfuric acid	<0.52	<0.0070	<0.0017	0.52	

Workorder Comments

8357020 NIOSH 7903: The reported results have been media blank corrected for hydrochloric, nitric and sulfuric acid.

Report Authorization

Method: NIOSH 7903
<div style="display: flex; justify-content: space-between;"> <div> <u>Laurie K. Jones</u> Analyst </div> <div> <u>Thomas T. McKay</u> Peer Review </div> </div>

Definitions

LOD = Limit of Detection = MDL = Method Detection Limit, A statistical estimate of method/media/instrument sensitivity.

LOQ = Limit of Quantitation = RL = Reporting Limit, A verified value of method/media/instrument sensitivity.

ND = Not Detected, Testing result not detected above the LOD or LOQ.

** No result could be reported, see sample comments for details.

< This testing result is less than the numerical value.

() This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.



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General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
Samples have not been blank corrected unless otherwise noted.
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