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ANALYTICAL REPORT

Report Date: February 02, 2017

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Workorder: **34-1703278**
Client Project ID: PH3-BR1-28012017-81 012817
Purchase Order: 6-013017-075134-0001
Project Manager: Paul Pope

Analytical Results

Sample ID: **PH3-BR1-28012017-81** Collected: 01/28/2017
Lab ID: 1703278001 Sampling Location: Bedroom 1 Received: 01/31/2017
Method: **OSHA 1003 Mod.** Media: SKC 225-9018, Glass fiber & polyester filter (Mercuric chloride on polyester) Prepared: 01/31/2017
Sampling Parameter: **Air Volume 240 L** Analyzed: 02/01/2017

Analyte	Result (ug/sample)	Result (mg/m³)	Result (ppm)	RL (ug/sample)
Phosphine	**6.3** JT	**0.026** JT	**0.019** JT	5.5

Sample ID: **PH3-BR2-28012017-81** Collected: 01/28/2017
Lab ID: 1703278002 Sampling Location: Bedroom 2 Received: 01/31/2017
Method: **OSHA 1003 Mod.** Media: SKC 225-9018, Glass fiber & polyester filter (Mercuric chloride on polyester) Prepared: 01/31/2017
Sampling Parameter: **Air Volume 240 L** Analyzed: 02/01/2017

Analyte	Result (ug/sample)	Result (mg/m³)	Result (ppm)	RL (ug/sample)
Phosphine	**6.4** JT	**0.027** JT	**0.019** JT	5.5

Sample ID: **PH3-BR3-28012017-81** Collected: 01/28/2017
Lab ID: 1703278003 Sampling Location: Bedroom 3 Received: 01/31/2017
Method: **OSHA 1003 Mod.** Media: SKC 225-9018, Glass fiber & polyester filter (Mercuric chloride on polyester) Prepared: 01/31/2017
Sampling Parameter: **Air Volume 240 L** Analyzed: 02/01/2017

Analyte	Result (ug/sample)	Result (mg/m³)	Result (ppm)	RL (ug/sample)
Phosphine	<5.5	<0.023	<0.016	5.5

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ANALYTICAL REPORT

Workorder: **34-1703278**
Client Project ID: PH3-BR1-28012017-81 012817
Purchase Order: 6-013017-075134-0001
Project Manager: Paul Pope

Analytical Results

Sample ID: **PH3-BTH1-28012017-81** Collected: 01/28/2017
Lab ID: 1703278004 Sampling Location: Bathroom 1 Received: 01/31/2017
Method: OSHA 1003 Mod. **Media:** SKC 225-9018, Glass fiber & polyester filter (Mercuric chloride on polyester) **Prepared:** 01/31/2017
Sampling Parameter: Air Volume 240 L **Analyzed:** 02/01/2017

Analyte	Result (ug/sample)	Result (mg/m³)	Result (ppm)	RL (ug/sample)
Phosphine	**5.8** J+	**0.024** J+	**0.018** J+	5.5

Sample ID: **PH3-BTH1-28012017-82** Collected: 01/28/2017
Lab ID: 1703278005 Sampling Location: Bathroom 1 Received: 01/31/2017
Method: OSHA 1003 Mod. **Media:** SKC 225-9018, Glass fiber & polyester filter (Mercuric chloride on polyester) **Prepared:** 01/31/2017
Sampling Parameter: Air Volume 240 L **Analyzed:** 02/01/2017

Analyte	Result (ug/sample)	Result (mg/m³)	Result (ppm)	RL (ug/sample)
Phosphine	**7.1** J+	**0.030** J+	**0.021** J+	5.5

Sample ID: **PH3-BTH2-28012017-81** Collected: 01/28/2017
Lab ID: 1703278006 Sampling Location: Bathroom 2 Received: 01/31/2017
Method: OSHA 1003 Mod. **Media:** SKC 225-9018, Glass fiber & polyester filter (Mercuric chloride on polyester) **Prepared:** 01/31/2017
Sampling Parameter: Air Volume 240 L **Analyzed:** 02/01/2017

Analyte	Result (ug/sample)	Result (mg/m³)	Result (ppm)	RL (ug/sample)
Phosphine	<5.5	<0.023	<0.016	5.5

Sample ID: **PH3-FB-28012017-85** Collected: 01/28/2017
Lab ID: 1703278007 Received: 01/31/2017
Method: OSHA 1003 Mod. **Media:** SKC 225-9018, Glass fiber & polyester filter (Mercuric chloride on polyester) **Prepared:** 01/31/2017
Sampling Parameter: Air Volume Not Applicable **Analyzed:** 02/01/2017

Analyte	Result (ug/sample)	Result (mg/m³)	Result (ppm)	RL (ug/sample)
Phosphine	**6.6** J+	NA	NA	5.5

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ANALYTICAL REPORT

Workorder: **34-1703278**
Client Project ID: PH3-BR1-28012017-81 012817
Purchase Order: 6-013017-075134-0001
Project Manager: Paul Pope

Analytical Results

Sample ID: **PH3-HVAC-28012017-81** Collected: 01/28/2017
Lab ID: 1703278008 Sampling Location: HVAC System Received: 01/31/2017
Method: **OSHA 1003 Mod.** Media: SKC 225-9018, Glass fiber & polyester filter (Mercuric chloride on polyester) Prepared: 01/31/2017
Sampling Parameter: **Air Volume 240 L** Analyzed: 02/01/2017

Analyte	Result (ug/sample)		Result (mg/m³)		Result (ppm)		RL (ug/sample)
Phosphine	**7.9**	J+	**0.033**	J+	**0.024**	J+	5.5

Sample ID: **PH3-KTCH-28012017-81** Collected: 01/28/2017
Lab ID: 1703278009 Sampling Location: Kitchen Received: 01/31/2017
Method: **OSHA 1003 Mod.** Media: SKC 225-9018, Glass fiber & polyester filter (Mercuric chloride on polyester) Prepared: 01/31/2017
Sampling Parameter: **Air Volume 240 L** Analyzed: 02/01/2017

Analyte	Result (ug/sample)		Result (mg/m³)		Result (ppm)		RL (ug/sample)
Phosphine	**5.7**	J+	**0.024**	J+	**0.017**	J+	5.5

Sample ID: **PH3-LAUN-28012017-81** Collected: 01/28/2017
Lab ID: 1703278010 Sampling Location: Laundry Room Received: 01/31/2017
Method: **OSHA 1003 Mod.** Media: SKC 225-9018, Glass fiber & polyester filter (Mercuric chloride on polyester) Prepared: 01/31/2017
Sampling Parameter: **Air Volume 240 L** Analyzed: 02/01/2017

Analyte	Result (ug/sample)		Result (mg/m³)		Result (ppm)		RL (ug/sample)
Phosphine	**7.1**	J+	**0.029**	J+	**0.021**	J+	5.5

Sample ID: **PH3-LR-28012017-81** Collected: 01/28/2017
Lab ID: 1703278011 Sampling Location: Laundry Room Received: 01/31/2017
Method: **OSHA 1003 Mod.** Media: SKC 225-9018, Glass fiber & polyester filter (Mercuric chloride on polyester) Prepared: 01/31/2017
Sampling Parameter: **Air Volume 240 L** Analyzed: 02/01/2017

Analyte	Result (ug/sample)		Result (mg/m³)		Result (ppm)		RL (ug/sample)
Phosphine	**5.6**	J+	**0.024**	J+	**0.017**	J+	5.5

Comments

Workorder: 1703278

The reported results for phosphine [PH3] are based upon analysis for elemental phosphorus that has been calculated by mathematical conversion of the elemental result using the molecular weight ratio and molar ratio of phosphorus to phosphine. The reported value presumes that all phosphorus present is in the form of phosphine.

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