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Kingston 10 Jamaica

SAMPLE ANALYSIS REPORT

Project Number:	**J15022-02**
Report Date:	**March 18, 2015**
Analysis Date:	**March 17, 2015**
Receipt Date:	**March 17, 2015**
Client project #	
Instrument	**Gas Chromatography/Mass Spectrometry (GC/MS)**
Method:	**VPOC.1**
Sample Type:	**3M Passive Diffusion Monitor**

RESULTS	**Unit :**	**µg/m^3**		
Sample I.D.	**CAS #**	**#1 HWT**	**#2 JPSCo**	**#2 JPSCo Repeat**
Pentane (nC_5)	**109-66-0**	**12.4**	**21.9**	**21.6**
Ethanol	**64-17-5**	**13.5**	**9.94**	**9.96**
2,2-Dimethylbutane	**75-83-2**	**2.13**	**1.08**	**1.09**
iso-Propyl alcohol (IPA)	**67-63-0**	**2.83**	**2.48**	**2.64**
Dichloromethane	**75-09-2**	**< 0.2**	**< 0.2**	**< 0.2**
Methyl t-butyl ether (MTBE)	**1634-04-4**	**< 0.2**	**< 0.2**	**< 0.2**
Hexane (nC_6)	**110-54-3**	**2.84**	**5.48**	**5.33**
Methyl ethyl ketone (2-Butanone, MEK)	**78-93-3**	**0.78**	**3.70**	**3.85**
Ethyl acetate	**141-78-6**	**10.3**	**4.05**	**4.26**
Chloroform	**67-66-3**	**0.24**	**0.51**	**0.50**
2-Methylhexane	**591-76-4**	**1.16**	**0.99**	**1.01**
Carbon tetrachloride	**56-23-5**	**0.28**	**0.38**	**0.36**
1,2-Dichloroethane	**107-06-2**	**0.38**	**2.09**	**2.13**
Benzene	**71-43-2**	**7.87**	**84.2**	**83.0**
2,2,4-Trimethylpentane	**540-84-1**	**1.64**	**2.06**	**2.10**
Heptane	**142-82-5**	**1.68**	**5.51**	**5.34**
Trichloroethylene	**79-01-6**	**< 0.2**	**< 0.2**	**< 0.2**
2-Methylheptane	**107-83-5**	**0.90**	**1.63**	**1.58**
Methyl isobutyl ketone (MIBK)	**108-10-1**	**0.45**	**1.42**	**1.19**
Toluene	**108-88-3**	**17.9**	**41.0**	**40.5**
Octane (nC_8)	**111-65-9**	**1.90**	**4.85**	**4.52**
Tetrachloroethylene	**127-18-4**	**0.33**	**0.27**	**0.31**
n-Butyl acetate	**123-86-4**	**1.96**	**1.86**	**1.93**
Ethylbenzene	**100-41-4**	**3.83**	**38.2**	**37.8**
(m+p)-Xylene	**108-38-3 / 106-42-3**	**6.07**	**11.7**	**11.9**
o-Xylene	**95-47-6**	**2.35**	**5.04**	**5.05**
Styrene	**100-42-5**	**3.48**	**13.2**	**13.1**
Cumene	**98-82-8**	**0.39**	**5.89**	**5.76**
a-Pinene	**80-56-8**	**< 0.2**	**1.00**	**0.95**
1,1,2,2-Tetrachloroethane	**79-34-5**	**< 0.2**	**< 0.2**	**< 0.2**
Decane (nC_{10})	**124-18-5**	**3.95**	**9.74**	**9.59**
1,3,5-Trimethylbenzene	**108-67-8**	**0.57**	**1.82**	**1.78**
1,2,4-Trimethylbenzene	**95-63-6**	**1.90**	**2.32**	**2.37**
Pentachloroethane	**76-01-7**	**< 0.2**	**< 0.2**	**< 0.2**
d-Limonene	**5989-27-5**	**1.18**	**1.82**	**1.74**
p-Cymene	**99-87-6**	**< 0.2**	**1.20**	**1.14**
1,3-Dichlorobenzene	**541-73-1**	**< 0.2**	**< 0.2**	**< 0.2**
1,4-Dichlorobenzene	**106-46-7**	**< 0.2**	**0.42**	**0.45**
1,3-Diethylbenzene	**141-93-5**	**0.71**	**1.54**	**1.42**
Hexachloroethane	**67-72-1**	**< 0.2**	**< 0.2**	**< 0.2**
Dodecane (nC_{12})	**112-40-3**	**12.8**	**14.7**	**14.6**
1,2,4-Trichlorobenzene	**120-82-1**	**< 0.2**	**< 0.2**	**< 0.2**
Naphthalene	**91-20-3**	**0.39**	**2.31**	**3.87**
1,2,3-Trichlorobenzene	**87-61-6**	**< 0.2**	**< 0.2**	**< 0.2**
Tetradecane (nC_{14})	**629-59-4**	**15.5**	**12.9**	**12.9**
Hexadecane (nC_{16})	**544-76-3**	**4.67**	**5.98**	**5.82**
TVOC		**139**	**325**	**324**

Comments	**The samples were extracted with solvent. Compounds were determined by Gas Chromatography/Mass Spectrometry (GC/MS). The method detection limit is 0.2 µg/m^3. No other significant compounds were detected in GC-MS SCAN Mode.**
QA/QC	**Multipoint calibration curve (linear regression = 0.99). These samples were spiked with deuterated internal standards. Results were corrected with internal standard, lab blank and recovery.**
Analyst	**Henrik Li** 
Reviewer	**Phil Fellin**