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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 :	$\mu\text{g}/\text{m}^3$		
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
α -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 $0.2 \mu\text{g}/\text{m}^3$. 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 			

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