



EXAMPLE ANALYTICAL REPORT

LEED® IEQ Credit 3.2 – Air Testing

143 Midler Park Drive Syracuse, NY 13206
Phone (315) 431-9730 Fax (315) 431-9731
www.CentekLabs.com



Centek Laboratories, LLC

Date: 25-May-11

CLIENT: [Redacted]
Lab Order: C1105027
Project: TD Bank 17986
Lab ID: C1105027-001A

Client Sample ID: 1
Tag Number: 575,692 891,878
Collection Date: 5/16/2011
Matrix: AIR

All information here is gathered from the information detailed on your Chain-of-Custody

Analyses **Result** ****Limit** **Qual** **Units** **DF** **Date Analyzed**

FIELD PARAMETERS

FIELD PARAMETERS	Result	**Limit	Qual	Units	DF	Date Analyzed
Lab Vacuum In	-4			"Hg		5/17/2011
Lab Vacuum Out	-30			"Hg		5/17/2011
Sample Time	240			minutes		5/17/2011

Methods used by the Lab are circled in Red

You will receive reports in ppbV and in ug/m3

Analyst:

LEED CARBON MONOXIDE BY EPA METHOD IP-3

LEED CARBON MONOXIDE BY EPA METHOD IP-3	Result	**Limit	Qual	Units	DF	Date Analyzed
Carbon Monoxide	ND			ppm	1	5/24/2011

Analyst: LL

LEED FORMALDHYDE BY TO-15

LEED FORMALDHYDE BY TO-15	Result	**Limit	Qual	Units	DF	Date Analyzed
Formaldehyde	< 25	25		ppbV	1	5/21/2011 1:03:00 AM
Surr: Bromofluorobenzene	104	70-130		%REC	1	5/21/2011 1:03:00 AM

Analyst: LL

LEED VOC'S BY EPA IP-1A

LEED VOC'S BY EPA IP-1A	Result	**Limit	Qual	Units	DF	Date Analyzed
1,1,1-Trichloroethane	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
1,1,2-Trichloroethane	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
1,1-Dichloroethane	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
1,1-Dichloroethene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
1,2,4-Trichlorobenzene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
1,2,4-Trimethylbenzene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
1,2-Dibromoethane	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
1,2-Dichlorobenzene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
1,2-Dichloroethane	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
1,2-Dichloropropane	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
1,3,5-Trimethylbenzene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
1,3-butadiene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
1,3-Dichlorobenzene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
1,4-Dichlorobenzene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
1,4-Dioxane	< 10	10		ppbV	1	5/21/2011 1:03:00 AM
2,2,4-trimethylpentane	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
4-ethyltoluene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Acetone	40	10		ppbV	1	5/21/2011 1:03:00 AM
Allyl chloride	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Benzene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Benzyl chloride	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Bromodichloromethane	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Bromoform	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Bromomethane	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Carbon disulfide	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Carbon tetrachloride	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Chlorobenzene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Chloroethane	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM

TVOC totals are indicated below

LEED v.3.0 limits for formaldehyde are 27ppbv. <25 indicates a passing result.

surr: indicates the surrogate used. These are irrelevant

Qualifiers:

- ** Reporting Limit
- . Results reported are not blank corrected
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte, Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

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Client Sample ID: 1
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Collection Date: 5/16/2011
Matrix: AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
LEED VOC'S BY EPA IP-1A		TO-15			Analyst: LL	
Chloroform	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Chloromethane	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
cis-1,2-Dichloroethene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
cis-1,3-Dichloropropene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Cyclohexane	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Dibromochloromethane	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Ethyl acetate	< 10	10		ppbV	1	5/21/2011 1:03:00 AM
Ethylbenzene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Freon 11	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Freon 113	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Freon 114	< 5.0					0 AM
Freon 12	< 5.0					0 AM
Heptane	< 5.0					0 AM
Hexachloro-1,3-butadiene	< 5.0					0 AM
Hexane	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Isopropyl alcohol	33	5.0		ppbV	1	5/21/2011 1:03:00 AM
m&p-Xylene	< 10	10		ppbV	1	5/21/2011 1:03:00 AM
Methyl Butyl Ketone	< 10	10		ppbV	1	5/21/2011 1:03:00 AM
Methyl Ethyl Ketone	< 10	10		ppbV	1	5/21/2011 1:03:00 AM
Methyl Isobutyl Ketone	11	10		ppbV	1	5/21/2011 1:03:00 AM
Methyl tert-butyl ether	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Methylene chloride	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
o-Xylene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Propylene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Styrene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Tetrachloroethylene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Tetrahydrofuran	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Toluene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
trans-1,2-Dichloroethene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
trans-1,3-Dichloropropene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Trichloroethene	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Vinyl acetate	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Vinyl Bromide	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Vinyl chloride	< 5.0	5.0		ppbV	1	5/21/2011 1:03:00 AM
Surr: Bromofluorobenzene	104	70-130		%REC	1	5/21/2011 1:03:00 AM

Our analysis includes speciation of each VOC analyzed. This is a helpful tool in determining the source of contamination if necessary. These values are irrelevant if the TVOC number below indicates a passing result

NOTES:

TVOC are approximately 100ppbV and/or 281ug/m3. LEED v.3.0 TVOC limits = 500ug/m3, 281ug/m3 is less than 500 ug/m3 thus indicating a passing result

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
LEED 4-PCH BY TO-15					LL	
4-phenylcyclohexene	< 0.750	0.750		ppbV	1	5/20/2011 10:35:00 PM

refer to ug/m3 report below for 4-PCH

Qualifiers:

- ** Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- JN Non-routine analyte. Quantitation estimated.
- S Spike Recovery outside accepted recovery limits
- . Results reported are not blank corrected
- E Value above quantitation range
- J Analyte detected at or below quantitation limits
- ND Not Detected at the Reporting Limit

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Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
LEED 4-PCH BY TO-15						Analyst: LL
Surr: Bromofluorobenzene	114	70-130	%REC		1	5/20/2011 10:35:00 PM
LEED PM10 BY EPA METHOD IP-10A						Analyst: RJP
Total particulate	ND	1.0		ug/M3	1	5/19/2011

PM10 is reported in ug/m3. LEED v3.0 requires PM10 levels to be below 50ug/m3. ND indicates a passing result

Qualifiers:

**	Reporting Limit	.	Results reported are not blank corrected
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

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Matrix: AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
LEED FORMALDHYDE BY TO-15			TO-15			Analyst: LL
Formaldehyde	< 31	31		ug/m3	1	5/21/2011 1:03:00 AM
LEED VOC'S BY EPA IP-1A			TO-15			Analyst: LL
1,1,1-Trichloroethane	< 28	28		ug/m3	1	5/21/2011 1:03:00 AM
1,1,2,2-Tetrachloroethane	< 35	35		ug/m3	1	5/21/2011 1:03:00 AM
1,1,2-Trichloroethane	< 28	28		ug/m3	1	5/21/2011 1:03:00 AM
1,1-Dichloroethane	< 21	21		ug/m3	1	5/21/2011 1:03:00 AM
1,1-Dichloroethene	< 20	20		ug/m3	1	5/21/2011 1:03:00 AM
1,2,4-Trichlorobenzene	< 38	38		ug/m3	1	5/21/2011 1:03:00 AM
1,2,4-Trimethylbenzene	< 25	25		ug/m3	1	5/21/2011 1:03:00 AM
1,2-Dibromoethane	< 39	39		ug/m3	1	5/21/2011 1:03:00 AM
1,2-Dichlorobenzene	< 31	31		ug/m3	1	5/21/2011 1:03:00 AM
1,2-Dichloroethane	< 21	21		ug/m3	1	5/21/2011 1:03:00 AM
1,2-Dichloropropane	< 23	23		ug/m3	1	5/21/2011 1:03:00 AM
1,3,5-Trimethylbenzene	< 25	25		ug/m3	1	5/21/2011 1:03:00 AM
1,3-butadiene	< 11	11		ug/m3	1	5/21/2011 1:03:00 AM
1,3-Dichlorobenzene	< 31	31		ug/m3	1	5/21/2011 1:03:00 AM
1,4-Dichlorobenzene	< 31	31		ug/m3	1	5/21/2011 1:03:00 AM
1,4-Dioxane	< 37	37		ug/m3	1	5/21/2011 1:03:00 AM
2,2,4-trimethylpentane	< 24	24		ug/m3	1	5/21/2011 1:03:00 AM
4-ethyltoluene	< 25	25		ug/m3	1	5/21/2011 1:03:00 AM
Acetone	97	24		ug/m3	1	5/21/2011 1:03:00 AM
Allyl chloride	< 16	16		ug/m3	1	5/21/2011 1:03:00 AM
Benzene	< 16	16		ug/m3	1	5/21/2011 1:03:00 AM
Benzyl chloride	< 29	29		ug/m3	1	5/21/2011 1:03:00 AM
Bromodichloromethane	< 34	34		ug/m3	1	5/21/2011 1:03:00 AM
Bromoform	< 53	53		ug/m3	1	5/21/2011 1:03:00 AM
Bromomethane	< 20	20		ug/m3	1	5/21/2011 1:03:00 AM
Carbon disulfide	< 16	16		ug/m3	1	5/21/2011 1:03:00 AM
Carbon tetrachloride	< 32	32		ug/m3	1	5/21/2011 1:03:00 AM
Chlorobenzene	< 23	23		ug/m3	1	5/21/2011 1:03:00 AM
Chloroethane	< 13	13		ug/m3	1	5/21/2011 1:03:00 AM
Chloroform	< 25	25		ug/m3	1	5/21/2011 1:03:00 AM
Chloromethane	< 10	10		ug/m3	1	5/21/2011 1:03:00 AM
cis-1,2-Dichloroethene	< 20	20		ug/m3	1	5/21/2011 1:03:00 AM
cis-1,3-Dichloropropene	< 23	23		ug/m3	1	5/21/2011 1:03:00 AM
Cyclohexane	< 17	17		ug/m3	1	5/21/2011 1:03:00 AM
Dibromochloromethane	< 43	43		ug/m3	1	5/21/2011 1:03:00 AM
Ethyl acetate	< 37	37		ug/m3	1	5/21/2011 1:03:00 AM
Ethylbenzene	< 22	22		ug/m3	1	5/21/2011 1:03:00 AM

Qualifiers: ** Reporting Limit . Results reported are not blank corrected
 B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected at or below quantitation limits
 JN Non-routine analyte. Quantitation estimated. ND Not Detected at the Reporting Limit
 S Spike Recovery outside accepted recovery limits

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Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
LEED VOC'S BY EPA IP-1A		TO-15		Analyst: LL		
Freon 11	< 29	29		ug/m3	1	5/21/2011 1:03:00 AM
Freon 113	< 39	39		ug/m3	1	5/21/2011 1:03:00 AM
Freon 114	< 36	36		ug/m3	1	5/21/2011 1:03:00 AM
Freon 12	< 25	25		ug/m3	1	5/21/2011 1:03:00 AM
Heptane	< 21	21		ug/m3	1	5/21/2011 1:03:00 AM
Hexachloro-1,3-butadiene	< 54	54		ug/m3	1	5/21/2011 1:03:00 AM
Hexane	4.0	18		ug/m3	1	5/21/2011 1:03:00 AM
Isopropyl alcohol	82	12		ug/m3	1	5/21/2011 1:03:00 AM
m&p-Xylene	8.7	44		ug/m3	1	5/21/2011 1:03:00 AM
Methyl Butyl Ketone	< 42	42		ug/m3	1	5/21/2011 1:03:00 AM
Methyl Ethyl Ketone	15	30		ug/m3	1	5/21/2011 1:03:00 AM
Methyl Isobutyl Ketone	45	42		ug/m3	1	5/21/2011 1:03:00 AM
Methyl tert-butyl ether	< 18	18		ug/m3	1	5/21/2011 1:03:00 AM
Methylene chloride	< 18	18		ug/m3	1	5/21/2011 1:03:00 AM
o-Xylene	< 22	22		ug/m3	1	5/21/2011 1:03:00 AM
Propylene	< 8.7	8.7		ug/m3	1	5/21/2011 1:03:00 AM
Styrene	11	22		ug/m3	1	5/21/2011 1:03:00 AM
Tetrachloroethylene	< 34	34		ug/m3	1	5/21/2011 1:03:00 AM
Tetrahydrofuran	< 15	15		ug/m3	1	5/21/2011 1:03:00 AM
Toluene	18	19		ug/m3	1	5/21/2011 1:03:00 AM
trans-1,2-Dichloroethene	< 20	20		ug/m3	1	5/21/2011 1:03:00 AM
trans-1,3-Dichloropropene	< 23	23		ug/m3	1	5/21/2011 1:03:00 AM
Trichloroethene	< 27	27		ug/m3	1	5/21/2011 1:03:00 AM
Vinyl acetate	< 18	18		ug/m3	1	5/21/2011 1:03:00 AM
Vinyl Bromide	< 22	22		ug/m3	1	5/21/2011 1:03:00 AM
Vinyl chloride	< 13	13		ug/m3	1	5/21/2011 1:03:00 AM

NOTES:
 TVOC are approximately 100ppbV and/or 281ug/m3

LEED 4-PCH BY TO-15		TO-15		Analyst: LL		
4-phenylcyclohexene	< 4.94	4.94		ug/m3	1	5/20/2011 10:35:00 PM

LEED v. 3.0 require 4-PCH levels to be below 6.5 ug/m3. <4.94 ug/m3 indicates a passing result.

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	B Analyte detected in the associated Method Blank	E	Value above quantitation range
	H Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
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