

**TABELLA 8  
PROVA RESPIROMETRICA - SG10**

**Test Start:** 13.45

TIME FROM TEST		(min)	0	30	195	315	1095	6855
VEP 1	O2	(%)	17.9	18.2	19.6	13.8	11.3	4.3
	CO2	(%)	2.1	1.6	1.2	3.4	4.8	6.5
	CH4	(%)	18.9	11.8	4.3	30.5	42.2	46.2
	VOC	(ppm)	>	>	>	>	>	>
NP 1/1sup	O2	(%)	18.1	18.1	17.2	17.2	12.8	0.6
	CO2	(%)	1.8	1.8	2.1	2.1	2.9	8.8
	CH4	(%)	21.3	21.3	24.9	24.2	41.7	73.2
	VOC	(ppm)	>	>	>	>	>	>
NP1/1 pro	O2	(%)	16.0	16.0	14.5	13.7	1.8	0.1
	CO2	(%)	1.5	1.5	1.5	1.7	4.6	8.0
	CH4	(%)	>	>	>	>	>	>
	VOC	(ppm)	>	>	>	>	>	>
NP 1/2sup	O2	(%)	4.9	4.9	4.6	4.6	4.4	0.7
	CO2	(%)	10.5	10.5	10.9	10.9	11.2	13.6
	CH4	(%)	0.1	0.1	0.2	0.2	0.6	2.2
	VOC	(ppm)	1100	1100	>	>	>	>
NP1/2 pro	O2	(%)	0.0	0.0	0.0	0.0	0.0	0.0
	CO2	(%)	17.1	17.1	17.3	17.5	17.0	15.7
	CH4	(%)	>	>	>	>	>	>
	VOC	(ppm)	>	>	>	>	>	>
NP 1/3sup	O2	(%)	0.4	0.4	0.0	0.0	0.0	0.0
	CO2	(%)	14.7	14.4	14.5	14.5	18.5	14.4
	CH4	(%)	>	>	>	>	>	>
	VOC	(ppm)	>	>	>	>	>	>
NP1/3 pro	O2	(%)	0.3	0.3	0.0	0.0	0.0	0.0
	CO2	(%)	14.9	14.6	14.6	14.6	19.4	14.6
	CH4	(%)	>	>	>	>	>	>
	VOC	(ppm)	>	>	>	>	>	>

(considering P=1atm; soil porosity = 20%; soil specific gravity = 1.440 Kg/mc; T =288 °K)

NESTY	Ko2	Ko2	K	Media
	%O2/min	%O2/ore	mg Hexane/Kg	mg Hexane/Kg
VEP1	0.00190	0.1140	1.456	<b>3.505</b>
NP1/1sup	0.00250	0.1500	1.916	
NP1/1pro	0.01330	0.7980	10.190	
NP1/2 sup	0.00060	0.0360	0.460	

**Biodegradation**

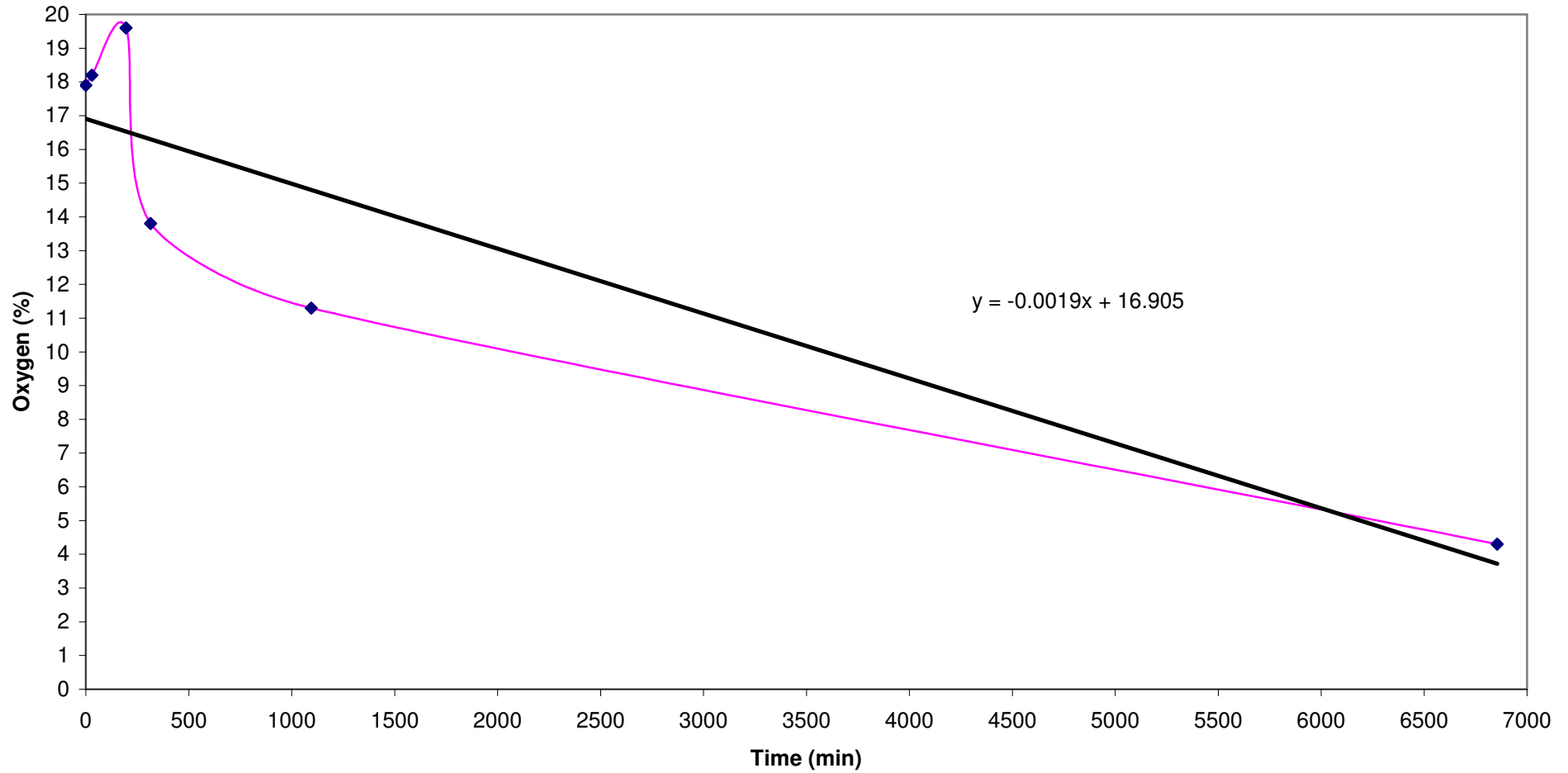
$$\begin{array}{ccccccc}
 3.505 & * & 10 & * & 1.587.000 & = & 55.6 \\
 \text{mg Hexane} & & \text{days} & & \text{kg soil} & & \text{kg Hexane} \\
 \text{kg soil * day} & & & & & & 
 \end{array}$$

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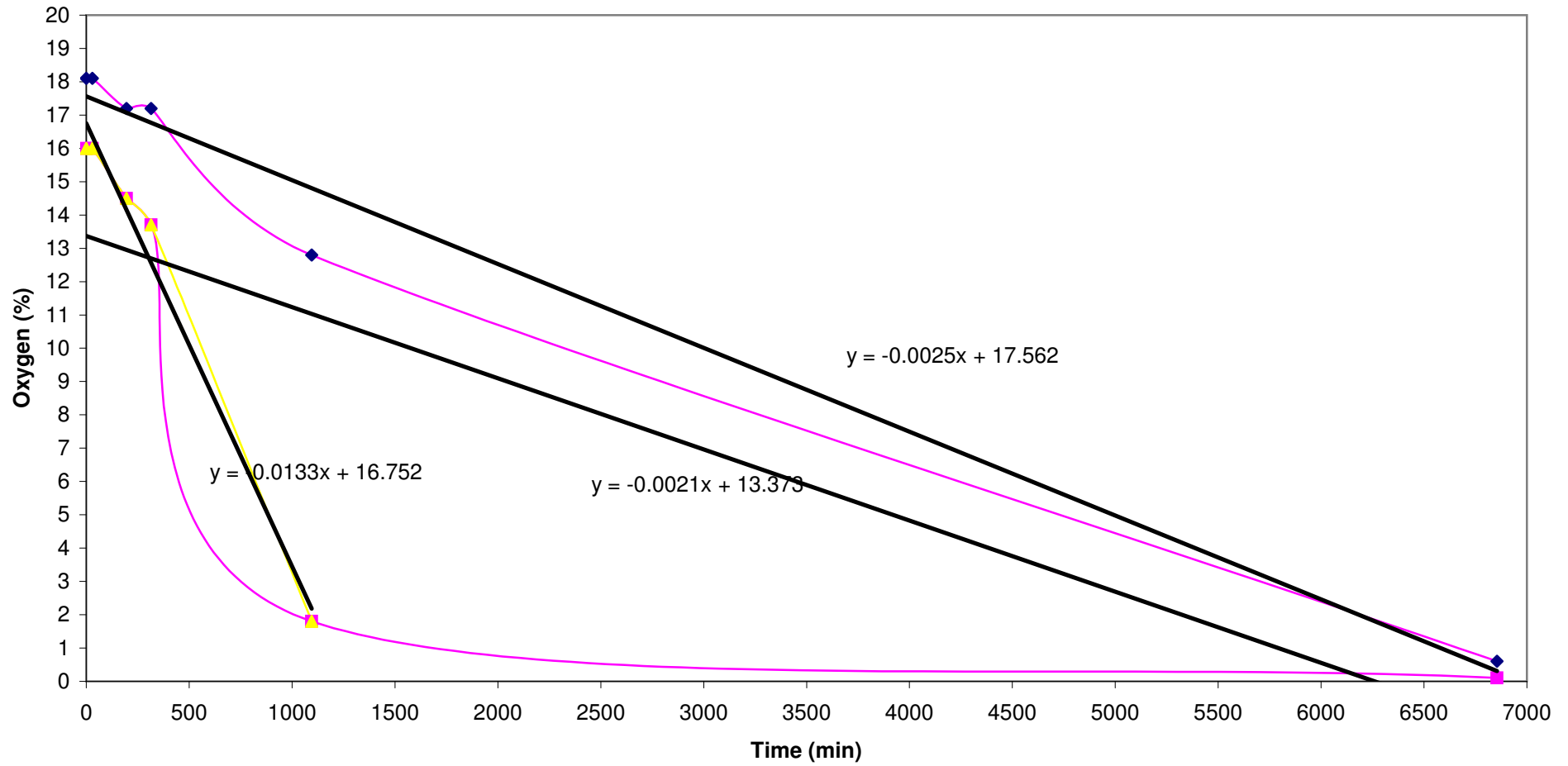
**Test Start:** 13.45

<b>TIME FROM TEST</b>		<b>(min)</b>	<b>0</b>	<b>30</b>	<b>195</b>	<b>315</b>	<b>1095</b>	<b>6855</b>
<b>VEP 1</b>	O2	(%)	17.9	18.2	19.6	13.8	11.3	4.3
	CO2	(%)	2.1	1.6	1.2	3.4	4.8	6.5
	CH4	(%)	18.9	11.8	4.3	30.5	42.2	46.2
	VOC	(ppm)	>	>	>	>	>	>
<b>NP 1/1sup</b>	O2	(%)	18.1	18.1	17.2	17.2	12.8	0.6
	CO2	(%)	1.8	1.8	2.1	2.1	2.9	8.8
	CH4	(%)	21.3	21.3	24.9	24.2	41.7	73.2
	VOC	(ppm)	>	>	>	>	>	>
<b>NP1/1 pro</b>	O2	(%)	16.0	16.0	14.5	13.7	1.8	0.1
	CO2	(%)	1.5	1.5	1.5	1.7	4.6	8.0
	CH4	(%)	>	>	>	>	>	>
	VOC	(ppm)	>	>	>	>	>	>
<b>NP 1/2sup</b>	O2	(%)	4.9	4.9	4.6	4.6	4.4	0.7
	CO2	(%)	10.5	10.5	10.9	10.9	11.2	13.6
	CH4	(%)	0.1	0.1	0.2	0.2	0.6	2.2
	VOC	(ppm)	1100	1100	>	>	>	>
<b>NP1/2 pro</b>	O2	(%)	0.0	0.0	0.0	0.0	0.0	0.0
	CO2	(%)	17.1	17.1	17.3	17.5	17.0	15.7
	CH4	(%)	>	>	>	>	>	>
	VOC	(ppm)	>	>	>	>	>	>
<b>NP 1/3sup</b>	O2	(%)	0.4	0.4	0.0	0.0	0.0	0.0
	CO2	(%)	14.7	14.4	14.5	14.5	18.5	14.4
	CH4	(%)	>	>	>	>	>	>
	VOC	(ppm)	>	>	>	>	>	>
<b>NP1/3 pro</b>	O2	(%)	0.3	0.3	0.0	0.0	0.0	0.0
	CO2	(%)	14.9	14.6	14.6	14.6	19.4	14.6
	CH4	(%)	>	>	>	>	>	>
	VOC	(ppm)	>	>	>	>	>	>

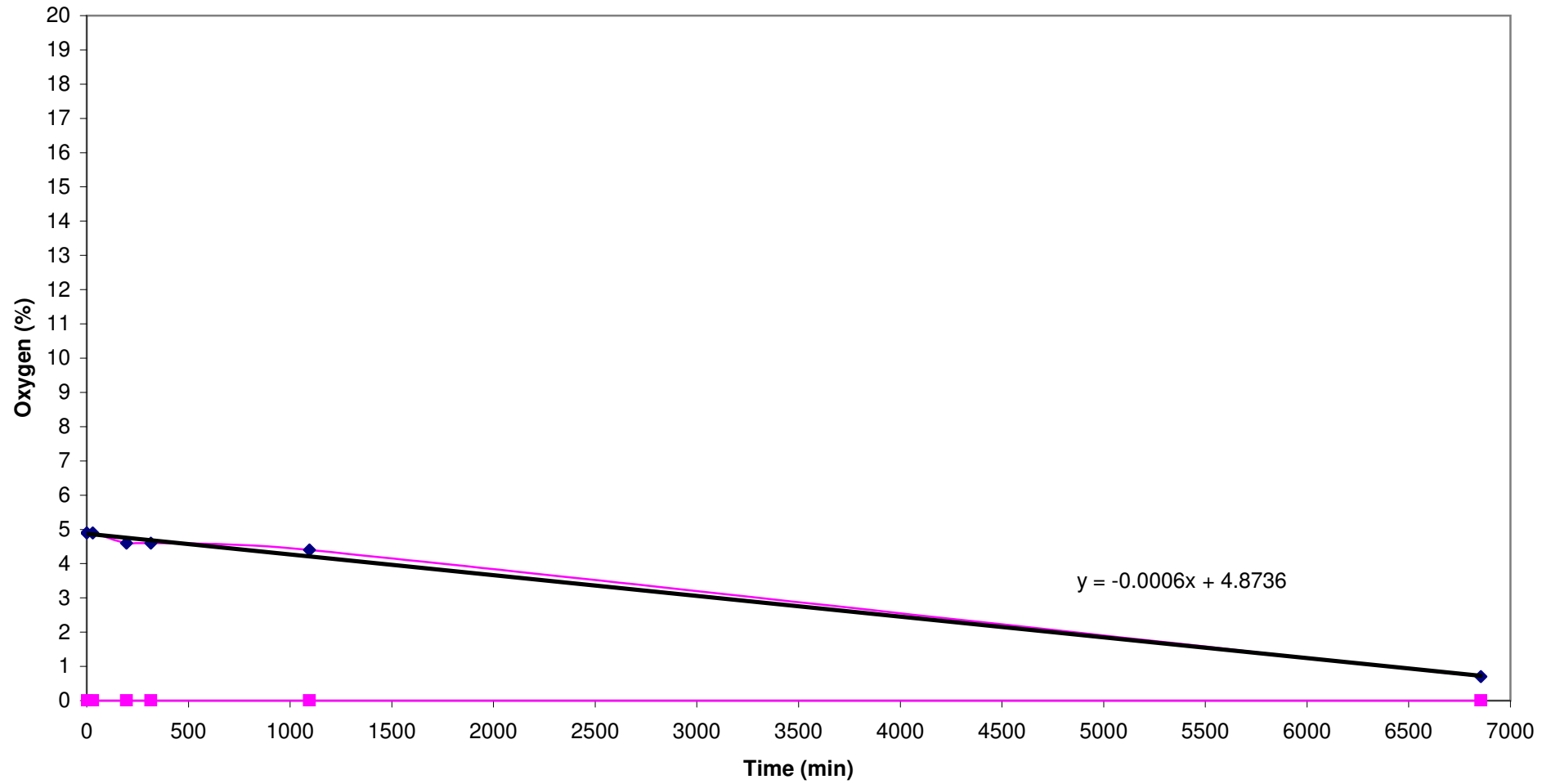
**GRAFICO 2**  
**PROVA RESPIROMETRICA - SG10**  
**VEP 1 - Variazione concentrazione O<sub>2</sub>**



**GRAFICO 3**  
**PROVA RESPIROMETRICA - SG10**  
**NP1 - Variazione concentrazione O<sub>2</sub>**



**GRAFICO 4**  
**PROVA RESPIROMETRICA - SG10**  
**NP2 - Variazione concentrazione O<sub>2</sub>**



**GRAFICO 5**  
**PROVA RESPIROMETRICA - SG10**  
**NP3 - Variazione concentrazione O<sub>2</sub>**

