

Lunar Rover

10421 Stevenson Road 254
Stevenson, MD 21153

Carbonyl Assay
Samples Received 7/27/15

Product Name
LR SMO

Analysis Report
(0715-591)

GC/MS Analysis For
Diacyl
2,3-Pentanedione (aka: Acetyl propionyl)



Enthalpy Analytical, Inc.

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Company:	Lunar Rover
Sample Condition:	Samples received in good condition.
Notes:	Chain of custody verified.

Method / Parameter	Analyte(s)
GC/MS Analysis	Diacetyl
	2,3-Pentanedione <i>(aka: Acetyl propionyl)</i>

Summary of Method:

A measured volume of sample is combined with a volume of acetonitrile. A known amount of internal standard (Butanedione-d6) is added and the vial is capped and mixed thoroughly to combine. An aliquot is then analyzed quantitatively against a linear calibration curve using a GC/MS equipped with a mass selective detector. In this analysis, the limit of detection is 10 ug/mL for 'Diacetyl' and 10 ug/mL for '2,3-Pentanedione'.

Company	Lunar Rover	Report #	0715-591R
Analyst	JM	# Samples	1
Parameters	GC/MS Analysis	Sample(s) Received	7/27/15
Job #	0715-591	Client Project:	SNA

Enthalpy Code	Sample Name	Notes	Diacetyl (ug/mL)	2,3-Pentanedione (ug/mL)
0715-591-04	LR SMO	Strawberry Mojito	Not Detected	Not Detected

QC Notes:

'Diacetyl' and '2,3-Pentanedione' were not detected above the minimum detection limit.

This report 0715-591R replaces report 0715-591 issued on 8/10/15 due to client-requested edits.

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized.

This analytical report was prepared in Portable Document Format (.PDF) and contains 2 pages.

Report Issued: 8/20/2015



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