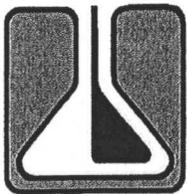


Renee Chavez

From: Keeney, Jerry <Jerry.Keeney@p66.com>
Sent: Friday, September 06, 2013 2:06 PM
To: Renee Chavez
Cc: Adams, James A
Subject: Annual Vapor Pressure
Attachments: VaporPressure2013.pdf

Vapor Pressure results for Junction station. Tank 40010 was not sampled. This tank has a blend of Gas Oil and Pressure Distillate and will be taken out of service at the end of this month. The blended product will have the same characteristics as tanks 80018 (33%) and 110020 (67%).

Jerry



ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

(661) 395-0539
FAX (661) 395-3069

September 5, 2013

Jerry Keeney
Phillips 66 Pipeline LLC - Coalinga
P. O. Box 1133
Coalinga, CA 93210

TEL: (559) 935-0388
FAX: (559) 935-8638

Project ID:
RE: 1308299

Dear Jerry Keeney:

Zalco Laboratories, Inc. received 6 samples on 8/26/2013 for the analyses presented in the following report.

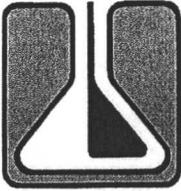
We appreciate your business and look forward to serving you in the future. Please feel free to call our office if you have any questions regarding these test results.

Sincerely,

Juan Magana
Project Manager
CC:

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Note: Samples analyzed for regulatory purposes should be put on ice immediately after sampling and received by the laboratory at temperatures between 0-6°C. Microbiological analysis requires samples to be at least 4-10°C when received at the laboratory. For additional information regarding the limitations of the method(s) referred to, please call us at 661-395-0539.



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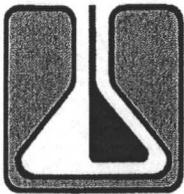
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Phillips 66 Pipeline LLC - Coalinga P. O. Box 1133 Coalinga, CA 93210	Project: Keeney, Jerry 2013 Project #: Attention: Jerry Keeney	Work Order No.: 1308299 Reported: 09/05/2013 Received: 08/26/2013 14:00
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Lab Sample ID: 1308299-01 Client Sample ID: Junction Station/Tank #40010 (S-1518- 8-30)	Collected By: Mark Lucero Date Collected: 8/26/2013 8:10:00AM
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Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
No Sample Obtained								
Analysis: None	NSS		N/A		No Method	8/26/13	8/26/13	MSL

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
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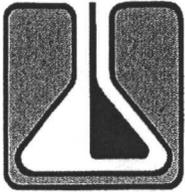
Phillips 66 Pipeline LLC - Coalinga P. O. Box 1133 Coalinga, CA 93210	Project: Keeney, Jerry 2013 Project #: Attention: Jerry Keeney	Work Order No.: 1308299 Reported: 09/05/2013 Received: 08/26/2013 14:00
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Lab Sample ID: 1308299-02 Client Sample ID: Junction Station/Tank #80018 (S-1518-1-4)	Collected By: Mark Lucero Date Collected: 8/26/2013 8:50:00AM
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Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Petroleum Chemistry								
API Gravity @ 60F. Hydrometer	54.5		*API		ASTM D 287	8/27/13	8/27/13	JAH
Reid Vapor Pressure, RVP	8.8	0.05	psi		ASTM D 323	8/30/13	8/30/13	JAH
True Vapor Pressure, TVP @ 87°F	6.68	0.05	psi		% Calculation	8/30/13	8/30/13	JAH

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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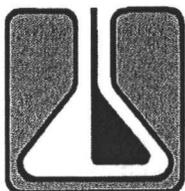
Phillips 66 Pipeline LLC - Coalinga P. O. Box 1133 Coalinga, CA 93210	Project: Keeney, Jerry 2013 Project #: Attention: Jerry Keeney	Work Order No.: 1308299 Reported: 09/05/2013 Received: 08/26/2013 14:00
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Lab Sample ID: 1308299-03 Client Sample ID: Junction Station/Tank #110020 (S-1518-7-3)	Collected By: Mark Lucero Date Collected: 8/26/2013 9:15:00AM
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Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Petroleum Chemistry								
API Gravity @ 60F, Hydrometer	23.3		*API		ASTM D 287	8/27/13	8/27/13	JAH
Total Vapor Pressure, Reactive Organic Compounds (ROCs)								
Total Vapor Pressure, ROCs	0.06	0.01	psia		LBNL	8/28/13	8/28/13	MO
Total Vapor Pressure, ROCs Test Conditions								
Tank Temperature	97		*F		LBNL	8/28/13	8/28/13	MO
Test, Atmospheric Pressure	14.69		psia		LBNL	8/28/13	8/28/13	MO
Test, Barometric Pressure	29.9		in. of Hg		LBNL	8/28/13	8/28/13	MO
Test Temperature	97		*F		LBNL	8/28/13	8/28/13	MO

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
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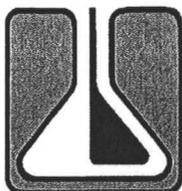
Phillips 66 Pipeline LLC - Coalinga P. O. Box 1133 Coalinga, CA 93210	Project: Keeney, Jerry 2013 Project #: Attention: Jerry Keeney	Work Order No.: 1308299 Reported: 09/05/2013 Received: 08/26/2013 14:00
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Lab Sample ID: 1308299-04 Client Sample ID: Junction Station/Tank #110022 (S-1518-2-2)	Collected By: Mark Lucero Date Collected: 8/26/2013 8:15:00AM
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Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Petroleum Chemistry								
API Gravity @ 60F, Hydrometer	12.9		°API		ASTM D 287	8/27/13	8/27/13	JAH
Total Vapor Pressure, Reactive Organic Compounds (ROCs)								
Total Vapor Pressure, ROCs	<0.01	0.01	psia		LBNL	8/28/13	8/28/13	MO
Total Vapor Pressure, ROCs Test Conditions								
Tank Temperature	101		°F		LBNL	8/28/13	8/28/13	MO
Test, Atmospheric Pressure	14.69		psia		LBNL	8/28/13	8/28/13	MO
Test, Barometric Pressure	29.9		in. of Hg		LBNL	8/28/13	8/28/13	MO
Test Temperature	101		°F		LBNL	8/28/13	8/28/13	MO

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
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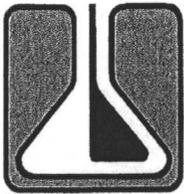
Phillips 66 Pipeline LLC - Coalinga P. O. Box 1133 Coalinga, CA 93210	Project: Keeney, Jerry 2013 Project #: Attention: Jerry Keeney	Work Order No.: 1308299 Reported: 09/05/2013 Received: 08/26/2013 14:00
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Lab Sample ID: 1308299-05 Client Sample ID: Junction Station/Tank #110024 (S-1518-5-3)	Collected By: Mark Lucero Date Collected: 8/26/2013 9:50:00AM
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Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Petroleum Chemistry								
API Gravity @ 60F, Hydrometer	30.5		*API		ASTM D 287	8/27/13	8/27/13	JAH
Reid Vapor Pressure, RVP	5.11	0.05	psi		ASTM D 323	8/30/13	8/30/13	JAH
True Vapor Pressure, TVP @ 87°F	3.92	0.05	psi		% Calculation	8/30/13	8/30/13	JAH

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
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Lab Sample ID: 1308299-06 Client Sample ID: Junction Station/Tank #110026 (S-1518-31-2)	Collected By: Mark Lucero Date Collected: 8/26/2013 8:35:00AM
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Analyte	Results	PQL	Units	Flag	Method	Date Prepared	Date Analyzed	Init.
Petroleum Chemistry								
API Gravity @ 60F, Hydrometer	18.8		*API		ASTM D 287	8/27/13	8/27/13	JAH
Total Vapor Pressure, Reactive Organic Compounds (ROCs)								
Total Vapor Pressure, ROCs	0.08	0.01	psia		LBNL	8/28/13	8/28/13	MO
Total Vapor Pressure, ROCs Test Conditions								
Tank Temperature	108		*F		LBNL	8/28/13	8/28/13	MO
Test, Atmospheric Pressure	14.69		psia		LBNL	8/28/13	8/28/13	MO
Test, Barometric Pressure	29.9		in. of Hg		LBNL	8/28/13	8/28/13	MO
Test Temperature	108		*F		LBNL	8/28/13	8/28/13	MO

NSS: Non Sufficient Sample H: Exceeds Analysis Hold Time TTLC: Total Threshold Limit Concentration STLC: Soluble Threshold Limit Concentration TCLP: Toxicity Characteristic Leaching Procedure MCL: Maximum Contaminant Level *: See Case Narrative
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