

FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs FL 32715-0597
571 NW Mercantile Pl. Suite 111, Port St. Lucie FL 34986
P.O. Box 1200, Madison FL 32341
3980 Overseas Hwy Suite 103, Marathon FL 33050

Phone: 407-339-5984 / Fax: 407-260-6110
Phone: 772-343-8006 / Fax: 772-343-8089
Phone: 850-973-6878 / Fax: 850-973-6878
Phone: 305-743-8598 / Fax: 305-743-8598

E83018 (Main Lab)
E86562 (South Lab)
E82405 (North Lab)
E35834 (Keys Lab)

Golder-Jacksonville
9428 Baymeadows Rd, Suite 400
Jacksonville, FL 32256

PO #: 103-82740
Client Project #: Liberty Tires - John King
Date Sampled: May 4, 2011
May 23, 2011; Invoice: 150355

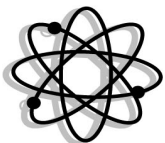
Invoice

Description	Amount	Units	Extension
EPA8270-SIM-PAH	95.00	9	855.00
TOTAL			855.00

This invoice is due upon receipt.

VISA, MasterCard, and American Express cards will be accepted.

There will be a 1.5% service charge per month on all unpaid balances.



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Report Summary

Date Received: May 4, 2011

FCL Project Manager: June S. Flowers

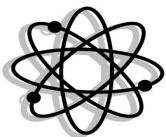
Laboratory #	Sample Description	Analysis	Chemist	Location	SampleMatrix
150355SO1	GSB-6 0-0.5 (149382SO1)	EPA8270	CLS	Main Lab	Soil
		SM2540 B	PLB	Main Lab	
		XBNE	ACS	Main Lab	
150355SO2	GSB-9 0-0.5 (149382SO7)	EPA8270	CLS	Main Lab	Soil
		SM2540 B	PLB	Main Lab	
		XBNE	ACS	Main Lab	
150355SO3	GSB-11 0-0.5 (149556SO1)	EPA8270	CLS	Main Lab	Soil
		SM2540 B	PLB	Main Lab	
		XBNE	ACS	Main Lab	
150355SO4	GSB-13 0-0.5 (149556SO3)	EPA8270	CLS	Main Lab	Soil
		SM2540 B	PLB	Main Lab	
		XBNE	ACS	Main Lab	
150355SO5	GSB-13 0.5-2 (149556SO4)	EPA8270	CLS	Main Lab	Soil
		SM2540 B	PLB	Main Lab	
		XBNE	ACS	Main Lab	
150355SO6	GSB-19 0-0.5 (149556SO11)	EPA8270	CLS	Main Lab	Soil
		SM2540 B	PLB	Main Lab	
		XBNE	ACS	Main Lab	
150355SO7	GSB-20 0-0.5 (149556SO13)	EPA8270	CLS	Main Lab	Soil
		SM2540 B	PLB	Main Lab	
		XBNE	ACS	Main Lab	
150355SO8	GSB-21 0-0.5 (149556SO17)	EPA8270	CLS	Main Lab	Soil
		SM2540 B	PLB	Main Lab	
		XBNE	ACS	Main Lab	
150355SO9	GSB-24 0-0.5 (149556SO19)	EPA8270	CLS	Main Lab	Soil
		SM2540 B	PLB	Main Lab	
		XBNE	ACS	Main Lab	

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director



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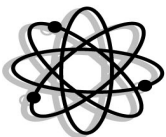
Analysis Report

Lab #: 150355SO1 Sampled: 05/04/11 03:00 PM Desc: GSB-6 0-0.5 (149382SO1)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Base_Neutral_Extraction	30.0	g	1.00			10173808	XBNE		05/09/11
% Moisture	5.99	%Wt	1.00	0.000250	0.000500	10174565	SM2540 B		05/18/11
1-methyl-Naphthalene	60.0 U	ug/Kg	10.0	60.0	120	10174572	EPA8270	090-12-0	05/19/11
2-methyl-Naphthalene	60.0 U	ug/Kg	10.0	60.0	120	10174572	EPA8270	91-57-6	05/19/11
Acenaphthene	60.0 U	ug/Kg	10.0	60.0	120	10174572	EPA8270	83-32-9	05/19/11
Acenaphthylene	60.0 U	ug/Kg	10.0	60.0	120	10174572	EPA8270	208-96-8	05/19/11
Anthracene	60.0 U	ug/Kg	10.0	60.0	120	10174572	EPA8270	120-12-7	05/19/11
Benzo(a)anthracene	60.0 U	ug/Kg	10.0	60.0	120	10174572	EPA8270	56-55-3	05/19/11
Benzo(a)pyrene	144	ug/Kg	10.0	60.0	120	10174572	EPA8270	50-32-8	05/19/11
Benzo(b)fluoranthene	60.0 U	ug/Kg	10.0	60.0	120	10174572	EPA8270	205-99-2	05/19/11
Benzo(g,h,i)perylene	60.0 U	ug/Kg	10.0	60.0	120	10174572	EPA8270	191-24-2	05/19/11
Benzo(k)fluoranthene	60.0 U	ug/Kg	10.0	60.0	120	10174572	EPA8270	207-08-9	05/19/11
Chrysene	289	ug/Kg	10.0	60.0	120	10174572	EPA8270	218-01-9	05/19/11
Dibenz(a,h)anthracene	60.0 U	ug/Kg	10.0	60.0	120	10174572	EPA8270	53-70-3	05/19/11
Fluoranthene	60.0 U	ug/Kg	10.0	60.0	120	10174572	EPA8270	206-44-0	05/19/11
Fluorene	60.0 U	ug/Kg	10.0	60.0	120	10174572	EPA8270	86-73-7	05/19/11
Indeno(1,2,3-cd)pyrene	60.0 U	ug/Kg	10.0	60.0	120	10174572	EPA8270	193-39-5	05/19/11
Naphthalene	60.0 U	ug/Kg	10.0	60.0	120	10174572	EPA8270	91-20-3	05/19/11
Phenanthrene	60.0 U	ug/Kg	10.0	60.0	120	10174572	EPA8270	85-01-8	05/19/11
Pyrene	711	ug/Kg	10.0	60.0	120	10174572	EPA8270	129-00-0	05/19/11
Surr:2-Fluorobiphenyl (21-101%)	46.51%		10.0	0.100	0.200	10174572	EPA8270	321-60-8	05/19/11
Surr:Nitrobenzene-d5 (18-106%)	28.23%		10.0	0.100	0.200	10174572	EPA8270		05/19/11
Surr:Terphenyl-d14 (43-131%)	80.11%		10.0	0.100	0.200	10174572	EPA8270		05/19/11

Lab #: 150355SO2 Sampled: 05/04/11 03:45 PM Desc: GSB-9 0-0.5 (149382SO7)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Base_Neutral_Extraction	30.0	g	1.00			10173808	XBNE		05/09/11



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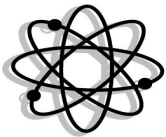
PO #: 103-82740
Client Project #: Liberty Tires - John King
Date Sampled: May 4, 2011
May 23, 2011; Invoice: 150355

Lab #: 150355SO2 **Sampled:** 05/04/11 03:45 PM **Desc:** GSB-9 0-0.5 (149382SO7)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
% Moisture	10.3	%Wt	1.00	0.000250	0.000500	10174565	SM2540 B		05/18/11
1-methyl-Naphthalene	30.0 U	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	090-12-0	05/19/11
2-methyl-Naphthalene	30.0 U	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	91-57-6	05/19/11
Acenaphthene	30.0 U	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	83-32-9	05/19/11
Acenaphthylene	30.0 U	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	208-96-8	05/19/11
Anthracene	30.0 U	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	120-12-7	05/19/11
Benzo(a)anthracene	30.0 U	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	56-55-3	05/19/11
Benzo(a)pyrene	58.2 I	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	50-32-8	05/19/11
Benzo(b)fluoranthene	146	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	205-99-2	05/19/11
Benzo(g,h,i)perylene	30.0 U	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	191-24-2	05/19/11
Benzo(k)fluoranthene	30.0 U	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	207-08-9	05/19/11
Chrysene	30.0 U	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	218-01-9	05/19/11
Dibenz(a,h)anthracene	30.0 U	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	53-70-3	05/19/11
Fluoranthene	30.0 U	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	206-44-0	05/19/11
Fluorene	30.0 U	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	86-73-7	05/19/11
Indeno(1,2,3-cd)pyrene	30.0 U	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	193-39-5	05/19/11
Naphthalene	30.0 U	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	91-20-3	05/19/11
Phenanthrene	30.0 U	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	85-01-8	05/19/11
Pyrene	384	ug/Kg	5.00	30.0	60.0	10174572	EPA8270	129-00-0	05/19/11
Surr:2-Fluorobiphenyl (21-101%)	41.25%		5.00	0.0500	0.100	10174572	EPA8270	321-60-8	05/19/11
Surr:Nitrobenzene-d5 (18-106%)	27.71%		5.00	0.0500	0.100	10174572	EPA8270		05/19/11
Surr:Terphenyl-d14 (43-131%)	80.45%		5.00	0.0500	0.100	10174572	EPA8270		05/19/11

Lab #: 150355SO3 **Sampled:** 05/06/11 08:25 AM **Desc:** GSB-11 0-0.5 (149556SO1)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Base_Neutral_Extraction	30.0	g	1.00			10174261	XBNE		05/16/11
% Moisture	25.7	%Wt	1.00	0.000250	0.000500	10174565	SM2540 B		05/18/11
1-methyl-Naphthalene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	090-12-0	05/19/11
2-methyl-Naphthalene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	91-57-6	05/19/11



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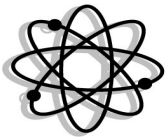
PO #: 103-82740
Client Project #: Liberty Tires - John King
Date Sampled: May 4, 2011
May 23, 2011; Invoice: 150355

Lab #: 150355SO3 **Sampled:** 05/06/11 08:25 AM **Desc:** GSB-11 0-0.5 (149556SO1)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Acenaphthene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	83-32-9	05/19/11
Acenaphthylene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	208-96-8	05/19/11
Anthracene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	120-12-7	05/19/11
Benzo(a)anthracene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	56-55-3	05/19/11
Benzo(a)pyrene	192	ug/Kg	10.0	60.0	120	10174568	EPA8270	50-32-8	05/19/11
Benzo(b)fluoranthene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	205-99-2	05/19/11
Benzo(g,h,i)perylene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	191-24-2	05/19/11
Benzo(k)fluoranthene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	207-08-9	05/19/11
Chrysene	460	ug/Kg	10.0	60.0	120	10174568	EPA8270	218-01-9	05/19/11
Dibenz(a,h)anthracene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	53-70-3	05/19/11
Fluoranthene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	206-44-0	05/19/11
Fluorene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	86-73-7	05/19/11
Indeno(1,2,3-cd)pyrene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	193-39-5	05/19/11
Naphthalene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	91-20-3	05/19/11
Phenanthrene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	85-01-8	05/19/11
Pyrene	1150	ug/Kg	10.0	60.0	120	10174568	EPA8270	129-00-0	05/19/11
Surr:2-Fluorobiphenyl (21-101%)	55.91%		10.0	0.100	0.200	10174568	EPA8270	321-60-8	05/19/11
Surr:Nitrobenzene-d5 (18-106%)	26.87%		10.0	0.100	0.200	10174568	EPA8270		05/19/11
Surr:Terphenyl-d14 (43-131%)	76.05%		10.0	0.100	0.200	10174568	EPA8270		05/19/11

Lab #: 150355SO4 **Sampled:** 05/06/11 09:00 AM **Desc:** GSB-13 0-0.5 (149556SO3)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Base_Neutral_Extraction	30.0	g	1.00			10174261	XBNE		05/16/11
% Moisture	16.3	%Wt	1.00	0.000250	0.000500	10174565	SM2540 B		05/18/11
1-methyl-Naphthalene	150 U	ug/Kg	25.0	150	300	10174568	EPA8270	090-12-0	05/19/11
2-methyl-Naphthalene	150 U	ug/Kg	25.0	150	300	10174568	EPA8270	91-57-6	05/19/11
Acenaphthene	150 U	ug/Kg	25.0	150	300	10174568	EPA8270	83-32-9	05/19/11
Acenaphthylene	150 U	ug/Kg	25.0	150	300	10174568	EPA8270	208-96-8	05/19/11
Anthracene	150 U	ug/Kg	25.0	150	300	10174568	EPA8270	120-12-7	05/19/11



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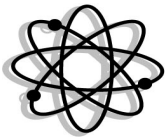
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Lab #: 150355SO4 **Sampled:** 05/06/11 09:00 AM **Desc:** GSB-13 0-0.5 (149556SO3)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Benzo(a)anthracene	150 U	ug/Kg	25.0	150	300	10174568	EPA8270	56-55-3	05/19/11
Benzo(a)pyrene	3260 J	ug/Kg	25.0	150	300	10174568	EPA8270	50-32-8	05/19/11
Benzo(b)fluoranthene	3910 J	ug/Kg	25.0	150	300	10174568	EPA8270	205-99-2	05/19/11
Benzo(g,h,i)perylene	2850 J	ug/Kg	25.0	150	300	10174568	EPA8270	191-24-2	05/19/11
Benzo(k)fluoranthene	150 U	ug/Kg	25.0	150	300	10174568	EPA8270	207-08-9	05/19/11
Chrysene	4050 J	ug/Kg	25.0	150	300	10174568	EPA8270	218-01-9	05/19/11
Dibenz(a,h)anthracene	150 U	ug/Kg	25.0	150	300	10174568	EPA8270	53-70-3	05/19/11
Fluoranthene	3650 J	ug/Kg	25.0	150	300	10174568	EPA8270	206-44-0	05/19/11
Fluorene	533	ug/Kg	25.0	150	300	10174568	EPA8270	86-73-7	05/19/11
Indeno(1,2,3-cd)pyrene	150 U	ug/Kg	25.0	150	300	10174568	EPA8270	193-39-5	05/19/11
Naphthalene	150 U	ug/Kg	25.0	150	300	10174568	EPA8270	91-20-3	05/19/11
Phenanthrene	2290 J	ug/Kg	25.0	150	300	10174568	EPA8270	85-01-8	05/19/11
Pyrene	8010 J	ug/Kg	25.0	150	300	10174568	EPA8270	129-00-0	05/19/11
Surr:2-Fluorobiphenyl (21-101%)	56.83%		25.0	0.250	0.500	10174568	EPA8270	321-60-8	05/19/11
Surr:Nitrobenzene-d5 (18-106%)	0.250 U		25.0	0.250	0.500	10174568	EPA8270		05/19/11
Surr:Terphenyl-d14 (43-131%)	69.05%		25.0	0.250	0.500	10174568	EPA8270		05/19/11

Lab #: 150355SO5 **Sampled:** 05/06/11 09:00 AM **Desc:** GSB-13 0.5-2 (149556SO4)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Base_Neutral_Extraction	30.0	g	1.00			10174261	XBNE		05/16/11
% Moisture	7.71	%Wt	1.00	0.000250	0.000500	10174565	SM2540 B		05/18/11
1-methyl-Naphthalene	435	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	090-12-0	05/19/11
2-methyl-Naphthalene	177	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	91-57-6	05/19/11
Acenaphthene	170	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	83-32-9	05/19/11
Acenaphthylene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	208-96-8	05/19/11
Anthracene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	120-12-7	05/19/11
Benzo(a)anthracene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	56-55-3	05/19/11
Benzo(a)pyrene	195	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	50-32-8	05/19/11
Benzo(b)fluoranthene	589	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	205-99-2	05/19/11



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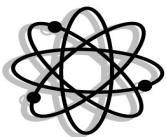
PO #: 103-82740
Client Project #: Liberty Tires - John King
Date Sampled: May 4, 2011
May 23, 2011; Invoice: 150355

Lab #: 150355SO5 **Sampled:** 05/06/11 09:00 AM **Desc:** GSB-13 0.5-2 (149556SO4)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Benzo(g,h,i)perylene	305	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	191-24-2	05/19/11
Benzo(k)fluoranthene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	207-08-9	05/19/11
Chrysene	436	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	218-01-9	05/19/11
Dibenz(a,h)anthracene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	53-70-3	05/19/11
Fluoranthene	682	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	206-44-0	05/19/11
Fluorene	167	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	86-73-7	05/19/11
Indeno(1,2,3-cd)pyrene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	193-39-5	05/19/11
Naphthalene	358	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	91-20-3	05/19/11
Phenanthrene	488	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	85-01-8	05/19/11
Pyrene	798	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	129-00-0	05/19/11
Surr:2-Fluorobiphenyl (21-101%)	60.19%		5.00	0.0500	0.100	10174568	EPA8270	321-60-8	05/19/11
Surr:Nitrobenzene-d5 (18-106%)	56.83%		5.00	0.0500	0.100	10174568	EPA8270		05/19/11
Surr:Terphenyl-d14 (43-131%)	80.36%		5.00	0.0500	0.100	10174568	EPA8270		05/19/11

Lab #: 150355SO6 **Sampled:** 05/06/11 11:35 AM **Desc:** GSB-19 0-0.5 (149556SO11)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Base_Neutral_Extraction	30.0	g	1.00			10174261	XBNE		05/16/11
% Moisture	6.73	%Wt	1.00	0.000250	0.000500	10174565	SM2540 B		05/18/11
1-methyl-Naphthalene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	090-12-0	05/19/11
2-methyl-Naphthalene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	91-57-6	05/19/11
Acenaphthene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	83-32-9	05/19/11
Acenaphthylene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	208-96-8	05/19/11
Anthracene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	120-12-7	05/19/11
Benzo(a)anthracene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	56-55-3	05/19/11
Benzo(a)pyrene	247	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	50-32-8	05/19/11
Benzo(b)fluoranthene	444	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	205-99-2	05/19/11
Benzo(g,h,i)perylene	254	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	191-24-2	05/19/11
Benzo(k)fluoranthene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	207-08-9	05/19/11
Chrysene	569	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	218-01-9	05/19/11



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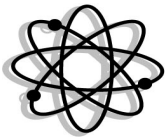
PO #: 103-82740
Client Project #: Liberty Tires - John King
Date Sampled: May 4, 2011
May 23, 2011; Invoice: 150355

Lab #: 150355SO6 **Sampled:** 05/06/11 11:35 AM **Desc:** GSB-19 0-0.5 (149556SO11)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Dibenz(a,h)anthracene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	53-70-3	05/19/11
Fluoranthene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	206-44-0	05/19/11
Fluorene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	86-73-7	05/19/11
Indeno(1,2,3-cd)pyrene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	193-39-5	05/19/11
Naphthalene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	91-20-3	05/19/11
Phenanthrene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	85-01-8	05/19/11
Pyrene	1020	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	129-00-0	05/19/11
Surr:2-Fluorobiphenyl (21-101%)	64.77%		5.00	0.0500	0.100	10174568	EPA8270	321-60-8	05/19/11
Surr:Nitrobenzene-d5 (18-106%)	43.56%		5.00	0.0500	0.100	10174568	EPA8270		05/19/11
Surr:Terphenyl-d14 (43-131%)	83.16%		5.00	0.0500	0.100	10174568	EPA8270		05/19/11

Lab #: 150355SO7 **Sampled:** 05/06/11 12:00 PM **Desc:** GSB-20 0-0.5 (149556SO13)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Base_Neutral_Extraction	30.0	g	1.00			10174261	XBNE		05/16/11
% Moisture	9.22	%Wt	1.00	0.000250	0.000500	10174565	SM2540 B		05/18/11
1-methyl-Naphthalene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	090-12-0	05/19/11
2-methyl-Naphthalene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	91-57-6	05/19/11
Acenaphthene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	83-32-9	05/19/11
Acenaphthylene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	208-96-8	05/19/11
Anthracene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	120-12-7	05/19/11
Benzo(a)anthracene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	56-55-3	05/19/11
Benzo(a)pyrene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	50-32-8	05/19/11
Benzo(b)fluoranthene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	205-99-2	05/19/11
Benzo(g,h,i)perylene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	191-24-2	05/19/11
Benzo(k)fluoranthene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	207-08-9	05/19/11
Chrysene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	218-01-9	05/19/11
Dibenz(a,h)anthracene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	53-70-3	05/19/11
Fluoranthene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	206-44-0	05/19/11
Fluorene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	86-73-7	05/19/11



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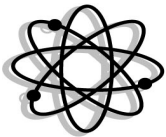
PO #: 103-82740
Client Project #: Liberty Tires - John King
Date Sampled: May 4, 2011
May 23, 2011; Invoice: 150355

Lab #: 150355SO7 Sampled: 05/06/11 12:00 PM Desc: GSB-20 0-0.5 (149556SO13)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Indeno(1,2,3-cd)pyrene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	193-39-5	05/19/11
Naphthalene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	91-20-3	05/19/11
Phenanthrene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	85-01-8	05/19/11
Pyrene	230	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	129-00-0	05/19/11
Surr:2-Fluorobiphenyl (21-101%)	55.35%		5.00	0.0500	0.100	10174568	EPA8270	321-60-8	05/19/11
Surr:Nitrobenzene-d5 (18-106%)	28.97%		5.00	0.0500	0.100	10174568	EPA8270		05/19/11
Surr:Terphenyl-d14 (43-131%)	81.74%		5.00	0.0500	0.100	10174568	EPA8270		05/19/11

Lab #: 150355SO8 Sampled: 05/06/11 01:05 PM Desc: GSB-21 0-0.5 (149556SO17)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Base_Neutral_Extraction	30.0	g	1.00			10174261	XBNE		05/16/11
% Moisture	6.60	%Wt	1.00	0.000250	0.000500	10174565	SM2540 B		05/18/11
1-methyl-Naphthalene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	090-12-0	05/19/11
2-methyl-Naphthalene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	91-57-6	05/19/11
Acenaphthene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	83-32-9	05/19/11
Acenaphthylene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	208-96-8	05/19/11
Anthracene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	120-12-7	05/19/11
Benzo(a)anthracene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	56-55-3	05/19/11
Benzo(a)pyrene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	50-32-8	05/19/11
Benzo(b)fluoranthene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	205-99-2	05/19/11
Benzo(g,h,i)perylene	175	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	191-24-2	05/19/11
Benzo(k)fluoranthene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	207-08-9	05/19/11
Chrysene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	218-01-9	05/19/11
Dibenz(a,h)anthracene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	53-70-3	05/19/11
Fluoranthene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	206-44-0	05/19/11
Fluorene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	86-73-7	05/19/11
Indeno(1,2,3-cd)pyrene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	193-39-5	05/19/11
Naphthalene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	91-20-3	05/19/11
Phenanthrene	30.0 U	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	85-01-8	05/19/11



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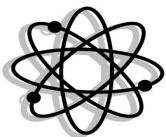
PO #: 103-82740
Client Project #: Liberty Tires - John King
Date Sampled: May 4, 2011
May 23, 2011; Invoice: 150355

Lab #: 150355SO8 **Sampled:** 05/06/11 01:05 PM **Desc:** GSB-21 0-0.5 (149556SO17)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Pyrene	185	ug/Kg	5.00	30.0	60.0	10174568	EPA8270	129-00-0	05/19/11
Surr:2-Fluorobiphenyl (21-101%)	48.08%		5.00	0.0500	0.100	10174568	EPA8270	321-60-8	05/19/11
Surr:Nitrobenzene-d5 (18-106%)	21.47%		5.00	0.0500	0.100	10174568	EPA8270		05/19/11
Surr:Terphenyl-d14 (43-131%)	92.80%		5.00	0.0500	0.100	10174568	EPA8270		05/19/11

Lab #: 150355SO9 **Sampled:** 05/06/11 01:35 PM **Desc:** GSB-24 0-0.5 (149556SO19)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Base_Neutral_Extraction	30.0	g	1.00			10174261	XBNE		05/16/11
% Moisture	6.60	%Wt	1.00	0.000250	0.000500	10174565	SM2540 B		05/18/11
1-methyl-Naphthalene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	090-12-0	05/19/11
2-methyl-Naphthalene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	91-57-6	05/19/11
Acenaphthene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	83-32-9	05/19/11
Acenaphthylene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	208-96-8	05/19/11
Anthracene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	120-12-7	05/19/11
Benzo(a)anthracene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	56-55-3	05/19/11
Benzo(a)pyrene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	50-32-8	05/19/11
Benzo(b)fluoranthene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	205-99-2	05/19/11
Benzo(g,h,i)perylene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	191-24-2	05/19/11
Benzo(k)fluoranthene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	207-08-9	05/19/11
Chrysene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	218-01-9	05/19/11
Dibenz(a,h)anthracene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	53-70-3	05/19/11
Fluoranthene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	206-44-0	05/19/11
Fluorene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	86-73-7	05/19/11
Indeno(1,2,3-cd)pyrene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	193-39-5	05/19/11
Naphthalene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	91-20-3	05/19/11
Phenanthrene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	85-01-8	05/19/11
Pyrene	60.0 U	ug/Kg	10.0	60.0	120	10174568	EPA8270	129-00-0	05/19/11
Surr:2-Fluorobiphenyl (21-101%)	41.98%		10.0	0.100	0.200	10174568	EPA8270	321-60-8	05/19/11
Surr:Nitrobenzene-d5 (18-106%)	29.24%		10.0	0.100	0.200	10174568	EPA8270		05/19/11



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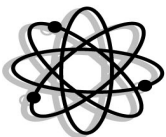
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PO #: 103-82740
Client Project #: Liberty Tires - John King
Date Sampled: May 4, 2011
May 23, 2011; Invoice: 150355

Lab #: 150355SO9 **Sampled:** 05/06/11 01:35 PM **Desc:** GSB-24 0-0.5 (149556SO19)

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Surr:Terphenyl-d14 (43-131%)	62.76%		10.0	0.100	0.200	10174568	EPA8270		05/19/11



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E83018 (Main Lab)
E86562 (South Lab)
E82405 (North Lab)
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Golder-Jacksonville
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PO #: 103-82740
Client Project #: Liberty Tires - John King
Date Sampled: May 4, 2011
May 23, 2011; Invoice: 150355

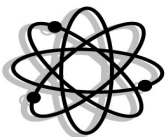
Quality Report

Quality Control Batch: 10174568

Analyst: CLS

Blank	Result	Units
Acenaphthene	6.00U	ug/Kg
Acenaphthylene	6.00U	ug/Kg
Anthracene	6.00U	ug/Kg
Benzo(a)anthracene	6.00U	ug/Kg
Benzo(a)pyrene	6.00U	ug/Kg
Benzo(b)fluoranthene	6.00U	ug/Kg
Benzo(g,h,i)perylene	6.00U	ug/Kg
Benzo(k)fluoranthene	6.00U	ug/Kg
Chrysene	6.00U	ug/Kg
Dibenz(a,h)anthracene	6.00U	ug/Kg
Fluoranthene	6.00U	ug/Kg
Fluorene	6.00U	ug/Kg
Indeno(1,2,3-cd)pyrene	6.00U	ug/Kg
Naphthalene	6.00U	ug/Kg
Phenanthrene	6.00U	ug/Kg
Pyrene	6.00U	ug/Kg
1-methyl-Naphthalene	6.00U	ug/Kg
2-methyl-Naphthalene	6.00U	ug/Kg
Surr:Nitrobenzene-d5	866	ug/Kg
Surr:Terphenyl-d14	1540	ug/Kg
Surr:2-Fluorobiphenyl	928	ug/Kg

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Acenaphthene	1210	ug/Kg	1670	72.86	70.00-130.00



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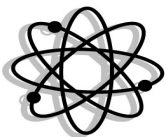
Analyst: CLS

Laboratory Control Sample

Result	Units	Spike	%REC	%REC Lim
1120	ug/Kg	1670	67.16	70.00-130.00
1320	ug/Kg	1670	79.44	70.00-130.00
1420	ug/Kg	1670	84.98	70.00-130.00
1230	ug/Kg	1670	73.98	70.00-130.00
1610	ug/Kg	1670	96.68	70.00-130.00
1360	ug/Kg	1670	81.72	70.00-130.00
1310	ug/Kg	1670	78.45	70.00-130.00
1310	ug/Kg	1670	78.67	70.00-130.00
1460	ug/Kg	1670	87.42	70.00-130.00
1330	ug/Kg	1670	79.70	70.00-130.00
1280	ug/Kg	1670	77.07	70.00-130.00
1410	ug/Kg	1670	84.36	70.00-130.00
1090	ug/Kg	1670	65.21	22.76-100.00
1320	ug/Kg	1670	78.95	70.00-130.00
1270	ug/Kg	1670	76.19	70.00-130.00
1070	ug/Kg	1670	64.45	27.35-113.22
930	ug/Kg	1670	55.79	19.08-101.21
1130	ug/Kg	1670	67.98	18.52-106.57
1350	ug/Kg	1670	81.19	43.67-131.78
1190	ug/Kg	1670	71.65	21.82-101.51

Matrix Spike

Result	Units	Spike	%REC	%REC Lim	Sample
1090	ug/Kg	1670	65.35	70.00-130.00	30.0U
1000	ug/Kg	1670	60.16	70.00-130.00	30.0U
1210	ug/Kg	1670	72.45	70.00-130.00	60.0U
1170	ug/Kg	1670	70.43	70.00-130.00	30.0U
1200	ug/Kg	1670	71.74	70.00-130.00	30.0U
1660	ug/Kg	1670	99.45	70.00-130.00	60.0U
1280	ug/Kg	1670	77.05	70.00-130.00	60.0U



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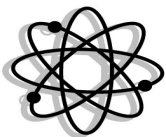
PO #: 103-82740
Client Project #: Liberty Tires - John King
Date Sampled: May 4, 2011
May 23, 2011; Invoice: 150355

Quality Control Batch: 10174568

Analyst: CLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Benzo(k)fluoranthene	1190	ug/Kg	1670	71.66	70.00-130.00	30.0U
Chrysene	1350	ug/Kg	1670	80.88	70.00-130.00	30.0U
Dibenz(a,h)anthracene	1380	ug/Kg	1670	82.60	70.00-130.00	30.0U
Fluoranthene	1220	ug/Kg	1670	73.28	70.00-130.00	60.0U
Fluorene	1160	ug/Kg	1670	69.73	70.00-130.00	30.0U
Indeno(1,2,3-cd)pyrene	1320	ug/Kg	1670	79.29	70.00-130.00	30.0U
Naphthalene	973	ug/Kg	1670	58.35	70.00-130.00	150U
Phenanthrene	1230	ug/Kg	1670	73.82	70.00-130.00	60.0U
Pyrene	1220	ug/Kg	1670	72.93	70.00-130.00	30.0U
1-methyl-Naphthalene	963	ug/Kg	1670	57.77	23.63-87.85	30.0U
2-methyl-Naphthalene	813	ug/Kg	1670	48.79	23.63-87.85	60.0U
Surr:Nitrobenzene-d5	1070	ug/Kg	1670	63.99	70.00-130.00	
Surr:Terphenyl-d14	1330	ug/Kg	1670	80.07	70.00-130.00	
Surr:2-Fluorobiphenyl	1070	ug/Kg	1670	64.01	70.00-130.00	

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acenaphthene	886	ug/Kg	1670	53.13	70.00-130.00	30.0U	20.64	30.00
Acenaphthylene	818	ug/Kg	1670	49.10	70.00-130.00	30.0U	20.25	30.00
Anthracene	1180	ug/Kg	1670	70.90	70.00-130.00	60.0U	2.17	30.00
Benzo(a)anthracene	1160	ug/Kg	1670	69.76	70.00-130.00	30.0U	0.95	30.00
Benzo(a)pyrene	1150	ug/Kg	1670	68.98	70.00-130.00	30.0U	3.93	30.00
Benzo(b)fluoranthene	1550	ug/Kg	1670	93.10	70.00-130.00	60.0U	6.60	30.00
Benzo(g,h,i)perylene	1240	ug/Kg	1670	74.48	70.00-130.00	60.0U	3.39	30.00
Benzo(k)fluoranthene	1170	ug/Kg	1670	70.09	70.00-130.00	30.0U	2.22	30.00
Chrysene	1320	ug/Kg	1670	79.29	70.00-130.00	30.0U	1.99	30.00
Dibenz(a,h)anthracene	1320	ug/Kg	1670	79.32	70.00-130.00	30.0U	4.04	30.00
Fluoranthene	1260	ug/Kg	1670	75.78	70.00-130.00	60.0U	3.36	30.00
Fluorene	977	ug/Kg	1670	58.58	70.00-130.00	30.0U	17.38	30.00
Indeno(1,2,3-cd)pyrene	1270	ug/Kg	1670	76.28	70.00-130.00	30.0U	3.87	30.00



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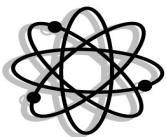
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PO #: 103-82740
Client Project #: Liberty Tires - John King
Date Sampled: May 4, 2011
May 23, 2011; Invoice: 150355

Quality Control Batch: 10174568		Analyst: CLS						
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Naphthalene	676	ug/Kg	1670	40.53	70.00-130.00	150U	36.05	30.00
Phenanthrene	1110	ug/Kg	1670	66.72	70.00-130.00	60.0U	10.10	30.00
Pyrene	1240	ug/Kg	1670	74.49	70.00-130.00	30.0U	2.12	30.00
1-methyl-Naphthalene	766	ug/Kg	1670	45.92	23.63-87.85	30.0U	22.85	30.00
2-methyl-Naphthalene	604	ug/Kg	1670	36.23	23.63-87.85	60.0U	29.55	30.00
Surr:Nitrobenzene-d5	702	ug/Kg	1670	42.14	70.00-130.00		41.18	30.00
Surr:Terphenyl-d14	1340	ug/Kg	1670	80.62	70.00-130.00		0.69	30.00
Surr:2-Fluorobiphenyl	882	ug/Kg	1670	52.89	70.00-130.00		19.03	30.00

Quality Control Batch: 10174572		Analyst: CLS						
Blank	Result	Units						
Acenaphthene	6.00U	ug/Kg						
Acenaphthylene	6.00U	ug/Kg						
Anthracene	6.00U	ug/Kg						
Benzo(a)anthracene	6.00U	ug/Kg						
Benzo(a)pyrene	6.00U	ug/Kg						
Benzo(b)fluoranthene	6.00U	ug/Kg						
Benzo(g,h,i)perylene	6.00U	ug/Kg						
Benzo(k)fluoranthene	6.00U	ug/Kg						
Chrysene	6.00U	ug/Kg						
Dibenz(a,h)anthracene	6.00U	ug/Kg						
Fluoranthene	6.00U	ug/Kg						
Fluorene	6.00U	ug/Kg						
Indeno(1,2,3-cd)pyrene	6.00U	ug/Kg						
Naphthalene	6.00U	ug/Kg						
Phenanthrene	6.00U	ug/Kg						
Pyrene	6.00U	ug/Kg						
1-methyl-Naphthalene	6.00U	ug/Kg						
2-methyl-Naphthalene	6.00U	ug/Kg						



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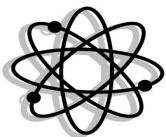
Quality Control Batch: 10174572

Analyst: CLS

Blank	Result	Units
Surr:Nitrobenzene-d5	826	ug/Kg
Surr:Terphenyl-d14	1570	ug/Kg
Surr:2-Fluorobiphenyl	993	ug/Kg

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Acenaphthene	1140	ug/Kg	1670	68.25	70.00-130.00
Acenaphthylene	1050	ug/Kg	1670	62.98	70.00-130.00
Anthracene	1380	ug/Kg	1670	82.72	70.00-130.00
Benzo(a)anthracene	1480	ug/Kg	1670	88.59	70.00-130.00
Benzo(a)pyrene	1410	ug/Kg	1670	84.81	70.00-130.00
Benzo(b)fluoranthene	1460	ug/Kg	1670	87.66	70.00-130.00
Benzo(g,h,i)perylene	1450	ug/Kg	1670	87.23	70.00-130.00
Benzo(k)fluoranthene	1200	ug/Kg	1670	71.91	70.00-130.00
Chrysene	1390	ug/Kg	1670	83.43	70.00-130.00
Dibenz(a,h)anthracene	1460	ug/Kg	1670	87.54	70.00-130.00
Fluoranthene	1400	ug/Kg	1670	84.18	70.00-130.00
Fluorene	1250	ug/Kg	1670	75.17	70.00-130.00
Indeno(1,2,3-cd)pyrene	1420	ug/Kg	1670	85.14	70.00-130.00
Naphthalene	932	ug/Kg	1670	55.93	22.76-100.00
Phenanthrene	1530	ug/Kg	1670	91.84	70.00-130.00
Pyrene	1570	ug/Kg	1670	94.37	70.00-130.00
1-methyl-Naphthalene	892	ug/Kg	1670	53.48	27.35-113.22
2-methyl-Naphthalene	834	ug/Kg	1670	50.04	19.08-101.21
Surr:Nitrobenzene-d5	975	ug/Kg	1670	58.51	18.52-106.57
Surr:Terphenyl-d14	1630	ug/Kg	1670	97.62	43.67-131.78
Surr:2-Fluorobiphenyl	1100	ug/Kg	1670	66.18	21.82-101.51

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Acenaphthene	764	ug/Kg	1670	45.85	70.00-130.00	60.0U



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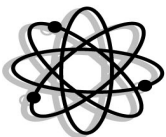
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Quality Control Batch: 10174572

Analyst: CLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Acenaphthylene	719	ug/Kg	1670	43.11	70.00-130.00	30.0U
Anthracene	1220	ug/Kg	1670	72.94	70.00-130.00	60.0U
Benzo(a)anthracene	1570	ug/Kg	1670	94.36	70.00-130.00	30.0U
Benzo(a)pyrene	1370	ug/Kg	1670	82.35	70.00-130.00	30.0U
Benzo(b)fluoranthene	1680	ug/Kg	1670	100.96	70.00-130.00	60.0U
Benzo(g,h,i)perylene	1440	ug/Kg	1670	86.12	70.00-130.00	30.0U
Benzo(k)fluoranthene	1340	ug/Kg	1670	80.27	70.00-130.00	30.0U
Chrysene	1280	ug/Kg	1670	76.86	70.00-130.00	30.0U
Dibenz(a,h)anthracene	1500	ug/Kg	1670	89.91	70.00-130.00	60.0U
Fluoranthene	1390	ug/Kg	1670	83.37	70.00-130.00	60.0U
Fluorene	1090	ug/Kg	1670	65.66	70.00-130.00	60.0U
Indeno(1,2,3-cd)pyrene	1460	ug/Kg	1670	87.38	70.00-130.00	30.0U
Naphthalene	582	ug/Kg	1670	34.91	70.00-130.00	30.0U
Phenanthrene	1690	ug/Kg	1670	101.66	70.00-130.00	60.0U
Pyrene	1430	ug/Kg	1670	85.69	70.00-130.00	30.0U
1-methyl-Naphthalene	551	ug/Kg	1670	33.04	23.63-87.85	30.0U
2-methyl-Naphthalene	465	ug/Kg	1670	27.92	23.63-87.85	30.0U
Surr:Nitrobenzene-d5	566	ug/Kg	1670	33.94	70.00-130.00	
Surr:Terphenyl-d14	1460	ug/Kg	1670	87.70	70.00-130.00	
Surr:2-Fluorobiphenyl	634	ug/Kg	1670	38.01	70.00-130.00	

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acenaphthene	933	ug/Kg	1670	55.98	70.00-130.00	60.0U	19.90	30.00
Acenaphthylene	923	ug/Kg	1670	55.35	70.00-130.00	30.0U	24.86	30.00
Anthracene	1230	ug/Kg	1670	73.76	70.00-130.00	60.0U	1.11	30.00
Benzo(a)anthracene	1460	ug/Kg	1670	87.40	70.00-130.00	30.0U	7.65	30.00
Benzo(a)pyrene	1350	ug/Kg	1670	81.03	70.00-130.00	30.0U	1.62	30.00
Benzo(b)fluoranthene	1650	ug/Kg	1670	98.86	70.00-130.00	60.0U	2.10	30.00
Benzo(g,h,i)perylene	1420	ug/Kg	1670	85.20	70.00-130.00	30.0U	1.07	30.00



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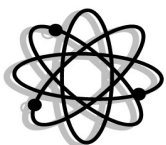
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PO #: 103-82740
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Date Sampled: May 4, 2011
May 23, 2011; Invoice: 150355

Quality Control Batch: 10174572

Analyst: CLS

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Benzo(k)fluoranthene	1330	ug/Kg	1670	79.50	70.00-130.00	30.0U	0.97	30.00
Chrysene	1270	ug/Kg	1670	76.01	70.00-130.00	30.0U	1.11	30.00
Dibenz(a,h)anthracene	1460	ug/Kg	1670	87.32	70.00-130.00	60.0U	2.93	30.00
Fluoranthene	1330	ug/Kg	1670	79.50	70.00-130.00	60.0U	4.75	30.00
Fluorene	1110	ug/Kg	1670	66.50	70.00-130.00	60.0U	1.26	30.00
Indeno(1,2,3-cd)pyrene	1400	ug/Kg	1670	83.96	70.00-130.00	30.0U	4.00	30.00
Naphthalene	862	ug/Kg	1670	51.72	70.00-130.00	30.0U	38.80	30.00
Phenanthrene	1690	ug/Kg	1670	101.14	70.00-130.00	60.0U	0.51	30.00
Pyrene	1440	ug/Kg	1670	86.16	70.00-130.00	30.0U	0.55	30.00
1-methyl-Naphthalene	761	ug/Kg	1670	45.67	23.63-87.85	30.0U	32.09	30.00
2-methyl-Naphthalene	665	ug/Kg	1670	39.88	23.63-87.85	30.0U	35.28	30.00
Surr:Nitrobenzene-d5	949	ug/Kg	1670	56.95	70.00-130.00		50.62	30.00
Surr:Terphenyl-d14	1500	ug/Kg	1670	89.73	70.00-130.00		2.28	30.00
Surr:2-Fluorobiphenyl	958	ug/Kg	1670	57.46	70.00-130.00		40.74	30.00



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E83018 (Main Lab)
E86562 (South Lab)
E82405 (North Lab)
E35834 (Keys Lab)

Golder-Jacksonville
9428 Baymeadows Rd, Suite 400
Jacksonville, FL 32256

PO #: 103-82740
Client Project #: Liberty Tires - John King
Date Sampled: May 4, 2011
May 23, 2011; Invoice: 150355

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a dry weight basis. These samples were previously analyzed and reported for the full EPA8270 list, but due to matrix effects, extracts required dilution that elevated MDL's above SCTL's. The samples were re-logged and re-analyzed by the SIM technique.

Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Additional Comments

Soil SIM control limits have not been calculated for each PAH compound, so values are compared to 70-130 QC limits. Recoveries for LCS and Matrix Spikes are within current FCL control limits. The samples selected for MS/MSD were from this project but not in this report: 149328SO5 and 149556SO16. Sample 150355SO4 surrogates were diluted out due to matrix.

Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.